

FINAL

# Hazardous Materials, Waste Management, and Soil Management Plan

West of Devers Upgrade Project  
Riverside and San Bernardino Counties, California

*Prepared for*

Southern California Edison

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*Prepared by*

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# Hazardous Materials, Waste Management, and Soil Management Plan Checklist

## Applicable Agencies:

- |  |   |
|--|---|
| <input type="checkbox"/> Bureau of Indian Affairs                          | <input type="checkbox"/> Coachella Valley Conservation Commission         |
| <input checked="" type="checkbox"/> Bureau of Land Management              | <input type="checkbox"/> Morongo Band of Mission Indians                  |
| <input type="checkbox"/> California Department of Fish and Wildlife        | <input type="checkbox"/> Riverside County Regional Conservation Authority |
| <input checked="" type="checkbox"/> California Public Utilities Commission | <input type="checkbox"/> U.S. Fish and Wildlife Service                   |

## Applies in the Following Areas:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> BLM Lands             | <input checked="" type="checkbox"/> CV-MSHCP         |
| <input checked="" type="checkbox"/> Morongo Reservation   | <input checked="" type="checkbox"/> WR-MSHCP         |
| <input checked="" type="checkbox"/> San Bernardino County | <input checked="" type="checkbox"/> Riverside County |

## Applies to the Following Project Components:

- |  |   |   |
|--|---|---|
| <input checked="" type="checkbox"/> Transmission Line  | <input checked="" type="checkbox"/> Subtransmission | <input checked="" type="checkbox"/> Telecom |
| <input checked="" type="checkbox"/> Substations        | <input checked="" type="checkbox"/> Distribution    |   |
| <input checked="" type="checkbox"/> Construction Yards |   |   |

## Addressed the Following Measures:

- |                    |   |
|--------------------|---|
| APM HYDRO-3        | Erosion control and hazardous material plans will be incorporated into the construction bidding specifications to ensure compliance |
| FEIR/FEIS MM HH-1a | Prepare a Hazardous Materials and Waste Management Plan   |
| FEIR/FEIS MM HH-2a | Prepare a Soil Management Plan  |

The following mitigation measures support implementation of the Hazardous Materials, Waste Management, and Soil Management Plan:

- |                     |   |
|---------------------|---|
| FEIR/FEIS MM HH-3a  | Identify Pesticide/Herbicide Contamination                            |
| FEIR/FEIS MM VEG-1b | Prepare and implement a Worker Environmental Awareness Program (WEAP) |

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# Acronyms and Abbreviations

APM	Applicant Proposed Measure
BLM	Bureau of Land Management
BMP	best management practice
CAISO	California Independent System Operator
Caltrans	California Department of Transportation
CCR	California Code of Regulations
CFR	Code of Federal Regulations
CPCN	Certificate of Public Convenience and Necessity
CPUC	California Public Utilities Commission
CUPA	Certified Unified Program Agencies
FEIR	Final Environmental Impact Report
FEIS	Final Environmental Impact Statement
kV	kilovolts
MM	mitigation measure
Morongo Reservation	Reservation Trust Lands of the Morongo Band of Mission Indians
PEA	Proponent's Environmental Assessment
Plan	Hazardous Materials, Waste Management, and Soil Management Plan
Project	West of Devers Upgrade Project
ROD	Record of Decision
ROW	right-of-way
RWQCB	Regional Water Quality Control Board
SCE	Southern California Edison
SES	Safety Environmental Specialist
SR	State Route
TDBU	Transmission Delivery Business Unit
TSDf	treatment, storage, and disposal facility
USFWS	U.S. Fish and Wildlife Service
WEAP	Workers Employee Awareness Program
WOD	West of Devers



# Introduction

Southern California Edison (SCE) proposes to construct the West of Devers (WOD) Upgrade Project (Project) to increase the power transfer capability of the WOD 220-kilovolt (kV) transmission lines between Devers, El Casco, Vista, and San Bernardino substations. The Project is needed to facilitate the full deliverability of new electric generation resources being developed in eastern Riverside County, in an area designated by the California Independent System Operator (CAISO) for planning purposes as the Blythe and Desert Center areas. The Project, planned to be operational by 2021, would upgrade the existing WOD transmission line system by replacing the existing WOD 220-kV transmission lines and associated structures with higher-capacity transmission lines and structures and making telecommunication improvements.

This Hazardous Materials, Waste Management, and Soil Management Plan (Plan) for SCE's WOD Upgrade Project (Project) presents the activities to be conducted to support compliance with the measures listed in Table 1-1. Compliance with the measures will reduce potential impacts from improper handling or accidental spills of hazardous materials, resulting in soil contamination and degradation of water quality from construction of the Project.

The Plans are combined due to their commonalities and related requirements. The Hazardous Materials Management Plan and Hazardous Waste Management Plan outline the proper hazardous material use, storage, and disposal requirements, as well as hazardous waste management procedures.

The Soil Management Plan provides guidance for identifying impacted soil and the proper handling, onsite management, and disposal of impacted soil that may be encountered during construction activities. The Project may require the preparation of Hazardous Materials Business Plans (which include hazardous materials inventory) and Hazardous Waste Contingency Plans.

## 1.1 Project Overview

The Project would upgrade the existing WOD system by replacing existing 220-kV transmission lines and associated structures with new, higher-capacity 220-kV transmission lines and structures, modifying existing substation facilities, removing and relocating existing subtransmission (66-kV) lines, removing and relocating existing distribution (12-kV) lines, and making various telecommunication improvements. In particular, the Project would:

- Upgrade substation equipment within SCE's existing Devers, El Casco, Etiwanda, San Bernardino, and Vista substations to accommodate continuous and emergency power on the upgraded WOD 220-kV transmission lines. Activities related to substation upgrades will take place within the existing, disturbed fence lines of the substations and are not addressed further in this Plan.
- Remove and upgrade the existing 220-kV transmission lines and structures primarily within the existing WOD corridor as follows:
  - Segment 1 would be approximately 3.5 miles long and extend south from the San Bernardino Substation to the San Bernardino Junction. It would include the following existing 220-kV transmission lines: Devers–San Bernardino, Etiwanda–San Bernardino, San Bernardino–Vista, and El Casco–San Bernardino.
  - Segment 2 would be approximately 5 miles long and extend west from the San Bernardino Junction to Vista Substation. It would include the following existing 220-kV transmission lines: Devers–Vista–No. 1 and Devers–Vista No. 2.

- Segment 3 would be approximately 10 miles long and extend east from the San Bernardino Junction to El Casco Substation. It would include the following existing 220-kV transmission lines: Devers–Vista No. 1, Devers–Vista No. 2, El Casco–San Bernardino, and Devers–San Bernardino.
- Segment 4 would be approximately 12 miles long and extend east from El Casco Substation to San Gorgonio Avenue in the City of Banning. It would include the following existing 220-kV transmission lines: Devers–Vista No. 1, Devers–Vista No. 2, Devers–El Casco, and Devers–San Bernardino.
- Segment 5 would be approximately 9 miles long and extend east from San Gorgonio Avenue in the City of Banning to the eastern limit of the Reservation Trust Lands of the Morongo Band of Mission Indians (Morongo Reservation) at Rushmore Avenue. It would include the following existing 220-kV transmission lines: Devers–Vista No. 1, Devers–Vista No. 2, Devers–El Casco, and Devers–San Bernardino.
- Segment 6 would be approximately 8 miles long and extend east from the eastern boundary of the Morongo Reservation to Devers Substation. It would include the following existing 220-kV transmission lines: Devers–Vista No. 1, Devers–Vista No. 2, Devers–El Casco, and Devers–San Bernardino.
- Remove a portion (approximately 2 miles) of the existing San Bernardino–Redlands–Timoteo and San Bernardino–Redlands–Tennessee 66-kV Subtransmission Lines from within the existing WOD right-of-way (ROW) and reconstruct as follows:
  - The relocated San Bernardino–Redlands–Timoteo 66-kV Subtransmission Line would be approximately 2 miles long and would reconnect to the San Bernardino–Redlands–Timoteo 66-kV Subtransmission Line inside Timoteo–Substation.
  - The relocated San Bernardino–Redlands–Tennessee 66-kV Subtransmission Line would be approximately 3.5 miles long and would reconnect to the San Bernardino–Redlands–Tennessee 66-kV Subtransmission–Line at Barton Road.
- Remove a portion of the existing Dental and Intern 12-kV distribution circuits within the WOD ROW and relocate the circuits as follows:
  - The relocated Dental 12-kV Distribution Circuit would be approximately 1.5 miles long and would reconnect to the existing Dental 12-kV circuit.
  - The relocated Intern 12-kV Distribution Circuit would be approximately 2.25 miles long and would reconnect to the Intern 12-kV circuit.
- Install telecommunication lines and equipment for the protection, monitoring, and control of transmission lines and substation equipment.

## 1.2 Project Location

The Project crosses the cities of Banning, Beaumont, Calimesa, Colton, Grand Terrace, Loma Linda, Palm Springs, Rancho Cucamonga, Redlands, San Bernardino, and Yucaipa, and unincorporated areas of Riverside and San Bernardino counties. The transmission corridor passes over Interstate 215 in San Bernardino County, as well as State Route (SR)-60, SR-79, SR-243, and SR-62 in Riverside County, and runs approximately parallel to the Interstate 10 corridor for the majority of the corridor in both San Bernardino and Riverside counties.

## 1.3 Lead Agencies

Lead agencies have discretionary approval over the Project and are responsible for reviewing aspects of the measures documented in this Plan. The California Public Utilities Commission (CPUC) is the state lead agency responsible for compliance with the California Environmental Quality Act. The Bureau of Land Management (BLM) is the federal lead agency responsible for compliance with National Environmental Policy Act. Identified materials or documentation will be provided to CPUC and BLM per the Project requirements (Table 1-1).

Consulting agencies are public agencies, other than the lead agencies, that may provide guidance or information needed to satisfy the requirements of the measures contained in this Plan. Consulting agencies may include the U.S. Fish and Wildlife Service (USFWS), U.S. Environmental Protection Agency, California Environmental Protection Agency, Department of Toxic Substances Control, California Occupational Safety and Health Administration, Riverside Community Health Agency Department of Environmental Health, Hazardous Materials Management Division, and the San Bernardino County Fire Department Hazardous Materials Division.

## 1.4 Measures

The measures, including Applicant Proposed Measures (APMs) from the Proponent’s Environmental Assessment (PEA) (SCE, 2013) and mitigation measures (MMs) from the Final Environmental Impact Report<sup>1</sup> (FEIR) and Final Environmental Impact Statement (FEIS) (BLM, 2016a), as presented in the Certificate of Public Convenience and Necessity (CPCN) (CPUC, 2016b) and record of decision (ROD) (BLM, 2016b), respectively, addressed in this Plan are listed in Table 1-1.

**Table 1-1. Applicable Applicant Proposed Measures, Mitigation Measures, and Other Regulatory Requirements**  
*WOD Hazardous Materials, Waste Management, and Soil Management Plan*

Measure <sup>a</sup>	Description
PEA APM HYDRO-3	Erosion control and hazardous material plans will be incorporated into the construction bidding specifications to ensure compliance.
FEIR/FEIS MM HH-1a	<p><b>Prepare a Hazardous Materials and Waste Management Plan.</b> SCE shall prepare a Project-specific Hazardous Materials and Waste Management Plan. Hazardous materials used and stored on site for the proposed construction activities — as well as hazardous wastes generated onsite as a result of the proposed construction activities — shall be managed according to the specifications outlined below.</p> <p><b>Hazardous Materials and Hazardous Waste Handling:</b> A project-specific hazardous materials management and hazardous waste handling program shall developed prior to initiation of the project. The program will include the following components: (1) proper hazardous materials use, storage and disposal requirements as well as hazardous waste management procedures; (2) the program shall identify types of hazardous materials to be used during the project and the types of wastes that would be generated; and (3) all project personnel shall be provided with project-specific training to ensure that all hazardous materials and wastes associated with the project are handled in a safe and environmentally sound manner and disposed of according to applicable rules and regulations. Specifically, employees handling wastes shall have or receive hazardous materials training and shall be trained in hazardous waste procedures, spill contingencies, waste minimization procedures and treatment, storage and disposal facility (TSDF) training in accordance with current OSHA Hazard Communication Standard and Title 22 CCR. SCE shall use landfill facilities that are authorized to accept the types of waste generated and hauled.</p> <p><b>Transport of Hazardous Materials:</b> Hazardous materials that would be transported by truck include fuel (diesel fuel and gasoline) and oil and lubricants for equipment. Containers used to stored hazardous materials would be properly labeled and kept in good condition. Written procedures for the transport of hazardous materials used would be established in accordance with U.S. Department of Transportation and Caltrans regulations. A qualified transporter would be selected to comply with U.S. Department of Transportation and Caltrans regulations.</p>

<sup>1</sup> For the purpose of this Plan, “FEIR” refers to the FEIR (CPUC, 2015) and Addendum to the FEIR (CPUC, 2016a).

**Table 1-1. Applicable Applicant Proposed Measures, Mitigation Measures, and Other Regulatory Requirements***WOD Hazardous Materials, Waste Management, and Soil Management Plan*

**Fueling and Maintenance of Construction Equipment:** Written procedures for fueling and maintenance of construction equipment would be prepared prior to construction. Refueling and maintenance procedures may require vehicles and equipment to be refueled on site or by tanker trucks. Procedures will require the use of drop cloths made of plastic, drip pans and trays to be placed under refilling areas to ensure that chemicals do not come into contact with the ground. Refueling would be located in areas where absorbent pad and trays would be available. The fuel tanks would also contain a lined area to ensure that accidental spillage does not occur. Drip pans or other collection devices would be placed under the equipment at night to capture drips or spills. Equipment would be inspected daily for potential leakage or failures. Hazardous materials such as paints, solvents, and penetrants would be kept in an approved locker or storage cabinet.

**Fueling and Maintenance of Helicopters:** Written procedures for fueling and maintenance of helicopters would be prepared prior to construction. Procedures may require helicopters be refueled at construction work areas, helicopter staging areas, or local airports. Procedures would include the use of drop cloths made of plastic, drip pans and trays to be placed under refilling areas to ensure that chemicals do not come into contact with the ground. Refueling areas would be located in areas where absorbent pad and trays are available.

**Emergency Release Response Procedures:** An Emergency Response Plan detailing responses to releases of hazardous materials would be developed prior to construction activities. The plan must prescribe hazardous materials handling procedures for reducing the potential for a spill during construction, and would include an emergency response program to ensure quick and safe cleanup of accidental spills. Hazardous materials shall not be stored near drains or waterways. Fueling shall not take place within 200 feet of drains or waterways with flowing water or within 75 feet of drains or waterways that are dry. All construction personnel, including environmental monitors, would be made aware of state and federal emergency response reporting guidelines for accidental spills.

The Plan shall be submitted to CPUC and BLM 30 days prior to the start of construction for review and approval.

FEIR/FEIS MM  
HH-2a

**Prepare a Soil Management Plan.** A Soil Management Plan shall be developed and implemented for construction of the Proposed Project. The objective of the Soil Management Plan is to provide guidance for the proper handling, onsite management, and disposal of impacted soil that might be encountered during construction activities. The plan would include practices that are consistent with the California Title 8, Occupational Safety and Health Administration (Cal-OSHA) regulations, as well as appropriate remediation standards that are protective of the planned use. Appropriately trained professionals would be on site during preparation, grading, and related earthwork activities to monitor soil conditions encountered. The Soil Management Plan would provide guidelines for the following:

- Identifying impacted soil
- Assessing impacted soil
- Soil excavation
- Impacted soil storage
- Verification sampling
- Impacted soil characterization and disposal

The plan shall outline how Project construction crews would identify, handle, and dispose of potentially contaminated soil; identify the qualifications of the appropriately trained professionals that would monitor soil conditions and conduct soil sampling during construction; coordinate laboratory testing; and oversee disposal. The Plan shall identify the anticipated field screening methods and appropriate regulatory limits to be applied to determine proper handling and disposal. The Soil Management Plan shall also include requirements for documenting and reporting incidents of encountered contaminants, such as documenting locations of occurrence, sampling results, and reporting actions taken to dispose of contaminated materials. In the event that potentially contaminated soils were encountered within the footprint of construction, soils would be tested and stockpiled. The appropriate Certified Unified Program Agency (CUPA) or RWQCB would determine whether further assessment is warranted.

The Soil Management Plan shall be submitted to the CPUC and BLM 30 days prior to the start of construction for review and approval. Once the Soil Management Plan is made final, a copy shall be provided as a courtesy to each jurisdiction through which the Project passes.

The following mitigation measures are used to support implementation of the Hazardous Materials and Waste Management Plan:

FEIR/FEIS MM  
HH-3a

**Identify pesticide/herbicide contamination.** Prior to construction, soil samples shall be collected in construction areas that where the land has historically or is currently being used for agriculture and would be subject to ground disturbance by the project. The sampling is to identify the possible presence of and to delineate the extent of pesticide and/or herbicide contamination. Excavated project materials containing

**Table 1-1. Applicable Applicant Proposed Measures, Mitigation Measures, and Other Regulatory Requirements***WOD Hazardous Materials, Waste Management, and Soil Management Plan*

elevated levels of pesticide or herbicide will require special handling and disposal procedures consistent with the requirements of Mitigation Measure HH-2a (prepare a soils management plan). In the event pesticide or herbicide contamination is found, CPUC/BLM shall be notified of the event and shall be kept apprised of the steps taken to address the problem.

Source: CPUC, 2016b

<sup>a</sup> Refers to Mitigation Measure.

To avoid redundancy, the FEIR/FEIS MM language was copied from the CPCN (CPUC, 2016b). While subtle differences in MM language were noted upon review of the ROD (BLM, 2016b), the requirements are ultimately the same. References for the citations in the requirement descriptions can be found in the source documents.

## 1.5 Applicable Project Segments

The Plan addresses the proper use, handling, storage, and disposal of hazardous materials and waste, emergency response procedures in the event of a hazardous material release, training requirements, and guidelines for identifying, assessing, excavating, storing, sampling, and disposing of affected soil for the Project segments listed in Table 1-2

**Table 1-2. Applicable Project Segments***WOD Hazardous Materials, Waste Management, and Soil Management Plan*

Measure	Applicable Project Work Packages
APM HYDRO-3	All
MM HH-1a	All
MM HH-2a	All
MM HH-3a	All

## 1.6 Timing

The measures described in this Plan are applicable during the preconstruction, construction, and post-construction/restoration phases of the Project (Table 1-3).

**Table 1-3. Applicable Timing***WOD Hazardous Materials, Waste Management, and Soil Management Plan*

Measure	Period		
	Preconstruction	Construction	Post-Construction/Restoration
APM HYDRO-3	☒	☒	☒
MM HH-1a	☒	☒	☒
MM HH-2a	☒	☒	☒
MM HH-3a	☒	☒	☐



# Methods

This section includes a detailed description of the actions required to implement the applicable MMs for the Project elements covered by this Plan.

The FEIR/FEIS has determined that pre-existing soil or groundwater contamination could be encountered during excavation and grading, which could result in significant environmental impacts if the MMs are not instituted. In addition, use of hazardous materials onsite could result in accidental spills or releases that could threaten soil or groundwater if preventive measures are not instituted. The following subsections include descriptions of the actions required to comply with the FEIR/FEIS MMs and the responsibilities and coordination between SCE and the construction contractor.

The construction contractor will be responsible for complying with federal, state, and local requirements for the handling, storage, transport, and disposal of hazardous materials and hazardous waste. SCE will include these requirements in the construction contract specifications. The construction contractor will be responsible for implementing the performance requirements identified in this Plan. The construction contractor personnel responsible for handling hazardous materials and wastes for the Project will be trained in accordance with the requirements set forth in California Code of Regulations (CCR) Title 22 on the proper use and management of these materials and wastes, and will be familiar with applicable laws, policies, procedures, and best management practices (BMPs). Spill response personnel will be trained to work with hazardous materials and will be familiar with the construction contractor's emergency response procedures. SCE personnel that visit the construction site will also be familiar with these applicable requirements.

Personnel will be responsible for complying with federal, state, and local requirements, including applicable permits, laws, and ordinances related to hazardous materials and hazardous waste management.

## 2.1 Applicant Proposed Measure HYDRO-3, Erosion Control and Hazardous Material Plans

To ensure compliance, contractor responsibilities related to erosion control and hazardous materials will be incorporated into the contractor's construction bidding specifications. SCE will be responsible for monitoring compliance with the requirements of this Plan.

## 2.2 Mitigation Measure HH-1a: Prepare a Hazardous Materials and Waste Management Plan

### 2.2.1 Hazardous Materials Control

During construction activities, hazardous materials will be properly used, stored, and disposed of in accordance with local, state, and federal regulations. To the extent possible, the construction contractor will minimize the use of hazardous materials. Hazardous materials stored onsite and used during construction will be documented in a hazardous materials inventory. The Hazardous Materials Inventory form is included in Appendix A. The Hazardous Materials Inventory form will be completed by the construction contractor for new material brought onsite or if the amount to be stored onsite changes significantly. The hazardous materials inventory will be maintained by the construction contractor and used to prepare and/or modify the Hazardous Material Business Plan as required by Title 19, Division 2

and Title 22 Division 4.5 of the CCR, and Chapter 6.95 of California Health and Safety Code and applicable local regulations. The Hazardous Materials Inventory form shall not be submitted to Certified Unified Program Agencies (CUPA) in lieu of completing and submitting the required CUPA forms. The construction contractor will maintain a current inventory of hazardous materials and will communicate changes to the hazardous materials inventory to SCE.

#### 2.2.1.1 Storage and Transport

Hazardous materials will be stored in accordance with CCR Title 22 and Titles 40 and 49 of the Code of Federal Regulations (CFR). Procedures will be implemented by the construction contractor to prevent leaks and spills during storage and transport. No hazardous materials will be stored near drains or waterways. Procedures may include inspections of storage and containment areas, inspection of containers prior to transport, and documentation of corrective actions taken to prevent leaks and spills.

Qualified personnel will properly label hazardous materials and waste containers, keep containers in good condition, follow written procedures for transport of hazardous materials and waste, and transport hazardous materials and waste. The accumulation and storage of hazardous waste will be performed in a manner that meets or exceeds the requirements set forth in CCR Title 22. All transporters of hazardous materials will comply with U.S. Department of Transportation and California Department of Transportation (Caltrans) regulations.

#### 2.2.1.2 Fueling and Maintenance of Construction Equipment

The construction contractor will be responsible for communicating fueling and maintenance spill prevention measures to construction personnel to prevent leaks or spills of hazardous materials. Written procedures for fueling and maintenance of construction equipment will be prepared prior to construction and added to this plan as an Appendix. The following fueling and maintenance spill prevention measures for construction equipment will be implemented during the construction of the Project:

- Onsite refueling of construction vehicles and equipment will occur in areas where absorbent pads and trays are available, if possible
- Plastic liners, trays, or drip pans will be placed under construction equipment while refueling
- Plastic liners or other control measures will be used for fuel storage tanks to prevent spills from directly contacting the soil
- Drip pans or other control measures will be placed under construction equipment at night to capture drips or spills
- Construction equipment will be inspected daily for leaks and failures
- Hazardous materials such as paints, solvents, and penetrants will be kept in an approved locker or storage cabinet
- Refueling will not take place within 200 feet of drains or waterways with flowing water or within 75 feet of drains or waterways that are dry

The above spill-prevention measures will be implemented during construction activities. Spill prevention is particularly critical in and around waterways and water bodies.

#### 2.2.1.3 Fueling and Maintenance of Helicopters

Written procedures for fueling and maintenance of construction equipment will be prepared prior to construction and added to this plan as an Appendix. The following fueling and maintenance spill prevention measures for helicopters will be implemented by the construction contractor during the construction of the Project to prevent a release to the environment:

- Helicopters will be refueled only at construction work areas, helicopter staging areas, or local airports
- At refueling areas, spill prevention measures such as plastic drop cloths, drip pans, or trays will be used to prevent chemicals from contacting with the ground
- Safety precautions will be used during refueling of helicopters to prevent fueling and spill prevention equipment from interfering with the operation of the helicopter
- Absorbent pads and trays will be available in refueling areas

#### 2.2.1.4 Personnel Training

All project personnel will be required to complete Project-specific training to ensure all hazardous materials and wastes associated with the Project are handled in a safe and environmentally sound manner and disposed of according to applicable rules and regulations. Employees handling wastes will have hazardous materials training and will be trained in hazardous waste procedures, spill contingencies, waste minimization procedures and treatment, storage and disposal facility training in accordance with current California Occupational Safety and Health Administration Hazard Communication Standard and Title 22 CCR. All personnel onsite will be aware of state and federal emergency response reporting guidelines for accidental spills.

### 2.2.2 Hazardous Waste Control

The construction contractors are fully responsible for identifying, handling, storing, and transporting wastes in accordance with CCR Title 22 and CFR Titles 40 and 49. The construction contractor will provide SCE with the names and telephone numbers of persons responsible for the hazardous waste management.

#### 2.2.2.1 Waste Generation

Typical wastes that may be generated during construction activities are paints, spent solvents, waste lubricants, spent oil-absorbent materials, and impacted soil.

#### 2.2.2.2 Hazardous Waste Handling

All wastes will be handled in a safe and environmentally sound manner. Hazardous waste will be generated and stored at secure material yards and possibly at “remote sites” (e.g., staging areas) during construction. A remote site is one where hazardous waste is generated, but is not routinely staffed and is not adjacent or connected to a staffed Project site. Hazardous waste storage at remote sites is anticipated to only be for very short periods. Waste from remote sites will be transported to consolidation sites, such as material yards, in accordance with the applicable sections of the Health and Safety Code 255110.10 and 25163.3 as soon as possible.

#### 2.2.2.3 Storage, Containerization, and Labeling

Hazardous waste will be accumulated and stored onsite during construction. Hazardous waste will be managed by the construction contractor in accordance with local, state, and federal guidelines.

The construction contractor will maintain a readily accessible supply of spill-control measures, implement secondary containment measures as warranted, and conduct periodic inspections in accordance with state and federal regulations. Accumulation periods will be monitored and disposal of hazardous waste will occur in accordance with CCR Title 22 and CFR Title 40.

#### 2.2.2.4 Transportation and Disposal

The construction contractor will pack, label, store handle, transport, and dispose of hazardous waste in compliance with CCR Title 22 and CFR Titles 40 and 49. The construction contractor will use landfill facilities that are authorized to accept the types of waste generated and hauled.

The construction contractor will notify the appropriate agencies of any hazardous waste dumped by third parties in the work area. The construction contractor will document and maintain a record of contact of all agencies notified of hazardous waste dumped by third parties in the work area.

#### 2.2.2.5 Inspections and Records

The construction contractor will regularly inspect hazardous waste storage for spills or leaks from containers. Regular inspections are BMPs that will be performed during construction to reasonably prevent spills or leaks. If a spill or leak is detected, then immediate action will be taken to clean up and implement the necessary correction actions. The inspections and corrective actions will be documented and records maintained onsite. A spill log/report will be completed by the construction contractor in the event a leak or spill is discovered.

#### 2.2.2.6 Performance Requirements

The following performance requirements related to hazardous waste management will be adhered to by the construction contractor:

- Clearly identify and secure hazardous waste storage areas.
- Take preventative measures to avoid spills or leaks in hazardous waste storage areas or during handling or transport of wastes.
- Limit the storage of hazardous waste to designated storage areas.
- Prohibit overnight storage of hazardous waste in non-secure, designated storage areas.
- When feasible, implement waste recycling programs for all applicable waste streams.
- Properly label all waste containers and keep incompatible wastes segregated.
- Ensure that all containers are kept closed when waste is not actively being added or removed.
- Train construction personnel in proper hazardous waste management procedures.

### 2.2.3 Emergency Response Plan

Emergency response procedures provide guidance for personnel to respond safely and quickly to hazardous materials spills or releases to prevent adverse impact on human health or impact on surrounding environmental media such as streams, lakes, wetlands, or stormwater system or sensitive areas, including conservatories and wildlife areas. Emergency response procedures shall be developed and implemented by the construction contractor for the Project and will include identification of roles, responsibilities, detailing responses to releases of hazardous materials, the locations of emergency spill containment equipment and materials, standards for notification and external reporting, and documentation required upon discovery of a release of hazardous material. The construction contractor shall follow the emergency response procedures for the Project. Construction personnel, SCE personnel, construction monitors, and other field personnel will be trained on the emergency release response procedures. An emergency response plan will be developed by the individual construction contractors prior to construction and will be included to this plan as an appendix. The emergency response procedures will be documented on the Emergency Release Response form provided in Appendix B.

The emergency response plan will include site maps of the construction yards, staging areas, and work areas that identify storage and applicable BMPs for hazardous materials and hazardous waste. The site maps will include the location of hazardous materials and waste handling and storage areas, spill-response materials and equipment, material safety data sheets, storm and sewer drains, adjacent waterways, and emergency evacuation assembly areas.

The emergency response plan will include the names and telephone numbers of persons responsible for managing the emergency response procedures as part of the Emergency Release Response form.

### 2.2.3.1 Reporting

In accordance with these emergency release response procedures, hazardous material spills or releases (including petroleum products such as gasoline, diesel, and hydraulic fluid), will be reported by the contractor to the appropriate agencies on a case-by-case basis.

Regardless of the quantity spilled, the contractor will notify Wayne Williams, SCE Transmission Delivery Business Unit (TDBU) Safety Environmental Specialist (SES).

Contact information for the SCE TDBU SES is as follows:

Wayne Williams  
Office: (909) 307-6861  
Cell: (909) 615-8527  
Email: wayne.williams@sce.com

The following outlines the construction contractor's notification and reporting procedure for a hazardous material release or threat of a release:

#### Initial Actions Required in the Case of a Contractor Spill

- The construction contractor will report the spill to the applicable agencies on a case-by-case basis.
- The construction contractor will immediately report the spill to Wayne Williams, SCE TDBU SES, at (909) 615-8527.
- The construction contractor will immediately report hazardous materials releases to 844-GOT-SPILL (844-468-7745).
- Any spill of hazardous materials greater than 1-gallon (or a spill of any size that entered any waterway or environmentally sensitive area) will be reported by phone to CPUC Environmental Monitor Jenny Slaughter at (818) 292-2328 followed by a written final spill incident report.
- The contractor will complete the spill log/report (Appendix C) described as follows and provide it to the SES, prior to resuming construction activities.

#### Internal Notification and Evaluation

- The SES will discuss the appropriate cleanup strategy with the construction contractor to ensure proper cleanup.
- SCE's TDBU SES will notify the appropriate Corporate Environment Health and Safety Spill Team, and indicate that the spill is associated with WOD construction, and has been reported by the construction contractor to outside agencies.
- See WOD Spill Reporting Flowchart provided in Appendix D.

#### Agency Notification

- When notifying agencies of a release, notification forms will be completed to document the agency contact.
- When contacting 9-1-1 or a government agency, the following information will be provided:
  - Exact location of the release or threatened release
  - Name of the person reporting the release or threatened release
  - Hazardous materials involved in the release or threatened release
  - Estimate of the quantity of hazardous materials involved

- Potential hazards presented by the hazardous material involved in the release or threatened release

### **Initial Actions Required in the Case of an SCE Spill**

In the event of an SCE spill, the SCE employee will follow standard spill reporting procedure identified in Appendix D.

#### **2.2.3.2 Documentation**

The construction contractor will complete required documentation on the spill log/report (Appendix C). The documentation will include records of spills or releases, regardless of the quantity or reporting requirements. The spill log/report will be maintained at the construction site.

The construction contractor will document containment and cleanup measures taken in the event of a spill or release of hazardous materials or hazardous waste. The spent spill response material, contaminated media, and spent personnel protective equipment will be properly sealed in hazardous material containers, properly labeled, and placed in an appropriate area until the hazardous waste can be transported and disposed of at an appropriate disposal facility.

#### **2.2.3.3 Evacuation**

The Emergency Response Plan will identify emergency evacuation procedures. The emergency evacuation procedures will be identified for construction yards, staging areas, and other construction work areas. These procedures will be communicated in training and during onsite safety briefings to personnel that visit the construction site. The procedures will identify the methods for communicating the evacuation of onsite personnel and surrounding neighbors in the event of a serious incident. The evacuation areas will be identified on site maps and communicated to onsite personnel.

The emergency evacuation procedures prepared by the construction contractor will identify nearby hospitals and other medical facilities and will provide the route from the site to the nearest hospital or facility.

## **2.3 Mitigation Measure HH-2a: Prepare a Soil Management Plan**

The Soil Management Plan provides guidance for identifying, assessing, excavating, storing, sampling, and disposing of impacted soil encountered during construction activities. Soil management for construction of the Project will be consistent with CCR Title 8 and other applicable state and federal regulations. In the event that impacted soil is encountered during construction, coordination will occur with applicable agencies as necessary.

### **2.3.1 Soil Excavation, Storage, Sampling, and Documentation**

Qualified personnel will be onsite during preparation, grading, and related earthwork activities to assist with recognizing potential contamination when encountered during construction activities. When soils emitting signs of contamination, such as odors or discoloration, are encountered, workers will immediately stop work. The potentially contaminated soil will be assessed in the field by qualified personnel and samples will be taken for laboratory testing, if appropriate. Written documentation will be obtained, identifying the location of the contaminated area, potential contaminants, and potential impacts. Construction within the impacted area will stop until a corrective action has been developed and workers' health and safety issues have been addressed. If deemed appropriate, applicable agencies will be contacted and consulted as necessary regarding the identified contaminated soils. If contaminated soils are discovered, CPUC will be immediately notified.

The excavated soil will be characterized for disposal and then transported to an approved disposal/recycling facility. Contaminated soil will be covered during transport. If soil generated is characterized as hazardous waste, appropriate documentation of disposal will be maintained in accordance with CCR Title 22 and CFR Title 40.

In accordance with MM HH-2a, if potentially contaminated soils are encountered within the footprint of construction, soils will be tested, stockpiled, and the appropriate CUPA or Regional Water Quality Control Board (RWQCB) would determine whether further assessment is warranted.

## 2.4 Mitigation Measure HH-3a: Identify Pesticide/Herbicide Contamination

Prior to construction, soil samples will be collected in construction areas where the land has historically or is currently being used for agriculture and would be subject to ground disturbance by the project. Sampling is undertaken to identify the possible presence of and to delineate the extent of pesticide and/or herbicide contamination. Results of the soil sampling will be included in this Plan as an appendix. Excavated materials containing pesticides or herbicides at elevated concentrations will be handled, stored, transported, and disposed of in accordance with local, state, and federal regulations. Standard dust suppression in compliance with in MM AQ-1a will be required in construction areas to reduce airborne emissions of these contaminants and reduce the risk of exposure to field personnel and the public.

If an unanticipated pesticide and/or herbicide contamination is encountered during construction, the contractor will contact SCE immediately. SCE will notify CPUC/BLM of the event and steps taken to address the issue.

## 2.5 Mitigation Measure VEG-1b: Prepare and Implement a Worker Environmental Awareness Program

### 2.5.1 Training

Personnel working on the Project will receive Workers Employee Awareness Program (WEAP) training addressing the issues of environmental concern for this Project. This training does not relieve construction contractors of the responsibility to train employees as required by federal, state, and local regulations.

Construction contractor personnel who handle hazardous wastes will have been trained in accordance with OSHA Hazardous Communication Standard, Title 29 of the CFR Part 1910, and CCR Title 8, Section 5194. Field personnel responsible for managing generated waste, conducting hazardous waste inspections, or involved in emergency response procedures will be trained on hazardous materials and waste management procedures, emergency and spill response procedures, and waste minimization procedures.

Construction contractor's personnel will also be trained on environmental concerns and appropriate work practices, including spill prevention, implementation of site BMPs, and emergency response measures.

Training will emphasize site-specific physical conditions to improve hazard prevention, safety procedures in handling hazardous materials, and emergency release response procedures. Prior to a new employee starting work at a construction site, training will be completed. A refresher training

course will be provided to personnel annually. Training records will be maintained by the construction contractor. At a minimum, the construction contractor's training will include the following:

- Location, handling procedures, and uses of hazardous material
- Recognition of hazardous release
- Emergency release response procedures
- Location and use of emergency response equipment, materials, and personal protective equipment
- Emergency evacuation procedures
- Protocol for coordination and communication with local emergency response organizations

## 2.5.2 Monitoring

Environmental monitors will monitor construction activities to comply with environmental MMs.

Monitors will have the following responsibilities:

- Monitor those assigned areas that require their expertise and presence.
- Monitor construction activities to document that activities are performed in accordance with applicable mitigation requirements, permit conditions, and environmental specifications.
- Serve as liaison between field and management personnel.
- Document mitigation efforts.
- Assess work area conditions prior to construction, noting concerns and requirements.
- Provide advance notice to construction contractor of conditions that require specific awareness and planning.
- Suggest methods to bring construction activity into compliance.
- Have the authority to temporarily halt activities that could cause damage to sensitive environmental resources, as required. Monitors will work with personnel to 1) identify small problems before the problem develops into something larger, 2) assist in the resolution of problems, and 3) ask and answer questions.

Monitors observe work and have the authority to stop work when a situation occurs that could result in the following:

- Cause serious injury or harm to persons or property
- Violate certain federal or state codes
- Violate the terms or conditions of federal or state permits for the project

SCE will document compliance by submitting to CPUC, BLM, or USFWS, as appropriate, for review and approval an outline of the proposed Environmental Training and Monitoring Program, and maintain for monitor review a list of names of construction personnel who have completed the training program.

SECTION 3

# Plan Approval

This Plan has been prepared to address the requirements of APM HYDRO-3 and MMs HH-1a, HH-2a, HH-3a, and VEG-1b. The record ROD has been approved. This Plan was approved by CPUC on May 22, 2017.



# References

Bureau of Land Management (BLM). 2016a. Final Environmental Impact Statement. West of Devers Upgrade Project. <http://www.blm.gov/ca/st/en/fo/palmsprings/transmission/WestOfDeversProject.html>.

Bureau of Land Management (BLM). 2016b. *Record of Decision for the West of Devers Upgrade Project*. BLM/CA/PL-2015/012+1793, DOI-BLM-CA-060-0015-0021, CACA-055285. December.

California Public Utilities Commission (CPUC). 2015. *Final Environmental Impact Report - Southern California Edison's West of Devers Upgrade Project*. December. Accessed on July 6, 2016. <http://www.cpuc.ca.gov/environment/info/aspen/westofdevers/toc-feir.htm>.

California Public Utilities Commission (CPUC). 2016a. *Decision Granting Certificate of Public Convenience and Necessity for the West of Devers Upgrade Project and Related Matter*. August. <http://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M166/K441/166441910.pdf>.

California Public Utilities Commission (CPUC). 2016b. *Addendum to Final Environmental Impact Report Southern California Edison's West of Devers Upgrade Project*. SCH #2014051041. April.

Southern California Edison (SCE). 2013. *Proponent's Environmental Assessment*. West of Devers Upgrade Project. Prepared for the California Public Utilities Commission. October. <http://www.cpuc.ca.gov/environment/info/aspen/westofdevers/toc-pea.htm>.



# Revisions

Revisions made to standard text (black ink) should be noted below to document changes in requirements or SCE's approach to this Hazardous Materials, Waste Management, and Soil Management Plan.

Date	Description of Revision	Contact



Figure



Insert Figure 1 Project Location Map



Appendix A  
Hazardous Materials Inventory



## HAZARDOUS MATERIALS INVENTORY

1. PROJECT: WEST OF DEVERS UPGRADE PROJECT	
2. SITE NAME:	
3. SITE ADDRESS / LOCATION:	
4. HAZARDOUS MATERIAL INFORMATION (Complete this form for each hazardous material used or stored on site.)	
Hazardous Material Name:	
Hazardous Material Intended Use:	
Is a Materials Safety Data Sheet Available Onsite? Yes / No (attach Materials Safety Data Sheet)	
New Hazardous Material or Quantity Change?	
Quantity to be Stored Onsite:	
Type of Container:	
Location of Hazardous Material on Site (attach Site Map):	
5. ADDITIONAL INFORMATION:	
6. INVENTORY PREPARED BY:	
Requester's Name:	Date:
Signature:	
Supervisor's Name:	Date:
Signature:	



Appendix B  
Emergency Release Response Form



## EMERGENCY RELEASE RESPONSE FORM

1. PROJECT: West of Devers Upgrade Project	
2. SITE NAME:	
3. SITE ADDRESS/ LOCATION:	
4. PREPARED BY:	
Name:	Date:
Title:	Role:
Email Address (if applicable):	Phone:
5. PRIMARY EMERGENCY CONTACT:	
Name:	Title:
Role:	Phone:
Responsibilities:	Cellular Phone (24-hour contact):
Email address (if applicable):	
6. SECONDARY EMERGENCY CONTACT:	
Name:	Title:
Role:	Phone:
Responsibilities:	Cellular Phone (24-hour contact):
Email address (if applicable):	
7. The Contractor shall provide a list of emergency response personnel for the site, in addition to those in the Emergency Contact sections above and attach to the Emergency Release Response form. Include the name, title, role, responsibility, telephone, and email address for each person listed.	
8. EMERGENCY NOTIFICATION:	
a. The Contractor is required to comply with State and federal law and the project Hazardous Materials Management Plan when reporting releases or threats of releases of hazardous materials. Describe the internal emergency notification procedure for the site.	
b. In case of emergency, the Contractor shall dial 911 immediately.	

c. The Contractor will contact SCE and the CPUC Environmental Monitor after emergency service personnel are notified.	
d. Contact the local CUPA, State Office of Emergency Services, and National Response Center as required by State and federal law and the project Hazardous Materials, Waste Management, and Soil Management Plan.	
<b>8. EMERGENCY MEDICAL FACILITY:</b>	
Facility Name:	Phone:
Address:	
City:	Zip Code:
<b>9. DOCUMENTATION:</b>	
The Contractor shall complete the Spill Log/Report Form when a release or threat of release of a hazardous material or waste occurs. The Contractor shall comply with State and federal law and the project Hazardous Materials, Waste Management, and Soil Management Plan when documenting releases or threats of releases.	
<b>10. CLEAN UP / DISPOSAL CONTRACTOR:</b>	
Name:	Phone:
Address:	
City:	Zip Code:
<b>11. EMERGENCY EQUIPMENT:</b>	
The Contractor shall provide a list of emergency equipment stored at the site and attach to the Emergency Release Response form.	
<b>12. SITE MAP / STORAGE MAP:</b>	
The Contractor shall attach a detailed site plan to the Emergency Release Response form that designates hazardous material and waste storage, use, dispensing, or handling areas; storm drain and sewer inlets; access points; and names and locations of adjacent streets.	

Appendix C  
Spill Log/Report



## SPILL LOG/REPORT

CONTRACT NO.:

PROJECT: West of Devers

Please circle the appropriate information:

**INITIAL / FINAL REPORT**

**REPORTABLE / NON-REPORTABLE QUANTITY SPILL**

**1. LOG PREPARED BY:**

Name:

Date:

Email Address (if applicable):

Phone Number:

**2. LOCATION OF THE SPILL:**

Address/Tower/GPS:

City:

State:

Zip Code:

County:

Nearest Road:

Additional Comments:

**3. SPECIFIC SPILL INFORMATION:**

Date of Spill:

Time of Spill:

Material Spilled:

Quantity Spilled:

Media Affected (Circle one):

Concrete / Asphalt / Water / Vegetation / Soil / Other

If other, please specify:

Source of Spill Info (Equip ID):

Additional Comments:

**4. CAUSE OF SPILL:**

**5. EXTENT OF SPILL:**

6. POTENTIAL THREAT OF SURFACE AND/OR GROUNDWATER, HUMAN HEALTH: (affect waters, residential areas, etc.)

7. RESPONSE AND CLEANUP ACTIONS TAKEN:

8. REGULATORY NOTIFICATION:

Date:	Time:
Individual (First, Last):	Agency:
Phone Number:	Purpose/Comments:

Date:	Time:
Individual (First, Last):	Agency:
Phone Number:	Purpose/Comments:

9. ADDITIONAL INFORMATION:

Appendix D  
West of Devers Spill Reporting  
Guidance for SCE



