ESA 50 YEARS 1969-2019

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memorandum

date	April 6, 2020
to	John Forsythe, AICP
cc	Cory Barringhaus (ESA), Eric Zigas (ESA)
from	Sharon Dulava (ESA)
subject	MPWSP – Ryan Ranch – Bishop Interconnection Project Weekly Report (03/30/2020 – 04/03/2020)

Construction Activities

Construction activities occurred on Ragsdale Drive, Lower Ragsdale Drive, Wilson Road, and Blue Larkspur Lane during the week of 3/30/2020 – 4/03/2020. Construction activities were conducted by Monterey Peninsula Engineering (MPE) and consisted of excavation and installation of remaining 8-inch pipe and installation of blow off valves. Installation of the pipeline alignment was concluded on 4/01/2020. Additional information about construction activities is included in the weekly CalAm report included in **Appendix A** and CPUC inspection logs included in **Appendix B.**

Compliance Activities

Denise Duffy & Associates (CalAm monitors) were on site for compliance monitoring.

All work is restricted to existing roadways. All storm drains were protected with sand bags and mesh. MPE conducted regular street sweeping.

Excavated spoils are being off hauled. New fill is being delivered throughout the day. All trucks were observed covering their loads.

Special status species plants (i.e., *Horkelia cuneata ssp.*) have been flagged along the entire construction area. In accordance with Mitigation Measures 4.6-1i, 4.6-1j, and 4.6-1k, CalAm monitors surveyed sections of the alignment ahead of construction daily for nesting birds, Monterey dusky-footed woodrat, and American badger. No sign of American badger, or additional woodrat nests were reported for the period between 3/30/2020 and 4/03/2020. CalAm monitors continued to monitor one crow nest on Lower Ragsdale Drive (near Station 37+00), one crow nest at Wilson Pond (near Station 18+00), one bushtit nest along Wilson Road (near Station 13+00), and one bushtit nest along Lower Ragsdale Drive (near Station 30+00) for any behavioral changes resulting from project activities. A dark-eyed junco nest near Wilson Pond was reported by CalAm monitors to have been depredated by crows. CalAm monitors also reported and monitored a swallow nest (near Station 14+00) located

in a building along Wilson Road; no construction activity was reported to have occurred within the nest buffer area.

Compliance Issues and Resolutions

- ESA originally noted the following Level 1 Minor Incident on 3/27/2020:
    - Trash was bagged but not properly contained within the staging area located off York Road per Mitigation Measure 4.6-1c (18). ESA monitors reported this to CalAm monitors. CalAm monitors confirmed on 3/30/2020 that additional trash and recycling receptacles were added at the staging area and that food waste was cleaned.
    - On 4/02/2020, ESA confirmed that trash and recycling receptacles were being used but were not properly contained with lids on and securely fastened. CalAm monitors reported this to the CalAm monitor.

Photographs:

Photo 1. MPE installation of blow off valves on Lower Ragsdale Drive..

Photo 2. Bushtit nest near Lower Ragsdale Drive.

Photo 3. Trash receptacles not properly contained within staging area.

Photo 4. MPE installation of blow off valves on Wilson Road.

APPENDIX A

CalAm Weekly Report

DENISE DUFFY & ASSOCIATES, INC.
PLANNING AND ENVIRONMENTAL CONSULTING

DATE: April 3, 2020

TO: Cory Barringhaus, Environmental Science Associates (ESA)

FROM: Matthew Johnson, Denise Duffy & Associates, Inc. (DD&A)

CC: Even Holmboe, ESA
Sharon Dulava, ESA
Tyler Potter, DD&A

RE: **MPWSP Construction Biological Monitoring Report**

Denise Duffy & Associates, Inc. (DD&A) is contracted with AECOM to provide biological monitoring support for the California American Water Company (CalAm) Monterey Peninsula Water Supply Project (MPWSP). Biological monitoring includes providing environmental guidance to construction personnel and ensuring the project remains in compliance with the Mitigation, Monitoring, Compliance, and Reporting Program (MMCRP).

This report summarizes the results of monitoring for the week of **March 27- April 2, 2020.**

Project/Component: **Ryan Ranch – Bishop Interconnection Project**	Work Location: **Ragsdale Drive. Lower Ragsdale Drive, Wilson Road, York Road, and Staging Area**
Monitoring Period: **3/27/2020 – 4/2/2020**	Project Completion Status: **5,887 Linear Feet of Pipeline Installation**
Construction Contractors/Personnel: **Monterey Peninsula Engineering**	Biological Lead: **M. Johnson**
Biological Monitors: **P. Krabacher, M. Hofmarcher**	Days on Site: **3/27, 3/30, 3/31, 4/1, 4/2**

Biological Surveys: **Nesting Birds, Nesting Bird Behavioral Baseline, American Badger, Monterey Dusky-Footed Woodrat (MDFW)Nests**	WEAT Training: **No**
New Sensitive Resources: **Yes**	SWPPP Corrective Actions/Maintenance: **No**
Encountered Special-Status Species: **No**	Hazardous Spills: **No**
Relocated Plants or Wildlife: **No**	Compliance Issues: **Yes**

Summary of Construction Activities

This section is intended to provide a brief summary of daily construction progress. For a more detailed description of construction activities please refer to the daily logs prepared by CalAm's Inspector.

- 3/27/2020
  - Pipeline installation from Station 10+76 to Station 13+94.
  - 252 linear feet of pipeline installation, 5,252 total feet of pipeline installation.
- 3/30/2020
  - Pipeline installation from Station 13+94 to Station 16+22.
  - 230 linear feet of pipeline installation, 5,482 total feet of pipeline installation.
- 3/31/2020
  - Pipeline installation from Station 16+22 to Station 18+42.
  - 228 linear feet of pipeline installation, 5,710 total feet of pipeline installation.
- 4/1/2020
  - Pipeline installation from Station 18+42 to Station 20+56.
  - 177 linear feet of pipeline installation, 5,887 total feet of pipeline installation (Pipeline Alignment Complete).
- 4/2/2020
  - Installation of blow off piping and fittings and paving over remaining trench alignment.

Summary of Monitoring Activities

- 3/27/2020
  - Conducted wildlife clearance survey on all vehicles and equipment at staging area and on alignment per MM4.6-1c (16).
  - Confirmed the abandonment of identified Dark-eyed junco (*Junco hyemalis*) nest adjacent to Wilson Road, nest was cleared of eggs by American crows (*Corvus brachyrhynchos*).
  - Walked alignment and staging area during construction activities and conducted daily monitoring requirements per MM 4.6-1c.
  - Met with ESA and conducted site walkthrough, discussed cleaning of food waste and the need for additional trash and recycling receptacles at staging area.
  - Conducted surveys for nesting birds, MDFW nests, and American badger dens along pipeline alignment from Ragsdale Drive Station 10+00 to Station 20+56 (end of alignment at Blue Larkspur Land and Citation Court) and in/around staging area from 0745 to 1030.
  - Confirmed integrity of BMP measures on stormwater drains immediately adjacent and ahead of construction.
  - Confirmed that water used for dust abatement was minimized to avoid formation of wildlife attracting puddles per MM 4.6-1c (15).
  - Confirmed continued usage of hazardous spill protective measures under vehicles and equipment at end of day.
  - Photographed and recorded monitoring activities.
- 3/30/2020
  - Conducted wildlife clearance survey on all vehicles and equipment at staging area and on alignment.
  - Confirmed that additional trash and recycling receptacles were added at staging area and that food waste was cleaned per MM 4.6-1c (18).
  - Walked alignment and staging area during construction activities and conducted daily monitoring requirements per MM 4.6-1c.

    - Conducted surveys for nesting birds, MDFW nests, and American badger dens along pipeline alignment from Ragsdale Drive Station 10+00 to Station 20+56 (end of alignment at Blue Larkspur Land and Citation Court) and in/around staging area from 0700 to 1200.
    - Confirmed integrity of BMP measures on stormwater drains immediately adjacent and ahead of construction.
    - Confirmed that water used for dust abatement was minimized to avoid formation of wildlife attracting puddles per MM 4.6-1c (15).
    - Photographed and recorded monitoring activities.
- 3/31/2020
    - Conducted wildlife clearance survey on all vehicles and equipment at staging area and on alignment.
    - Walked alignment and staging area during construction activities and conducted daily monitoring requirements per MM 4.6-1c.
    - Suggested replacement of traffic cones closer to center of street to allow passing traffic additional room to avoid damaging overhanging coast live oak tree limbs.
    - Conducted surveys for nesting birds, MDFW nests, and American badger dens along pipeline alignment from Ragsdale Drive Station 10+00 to Station 20+56 (end of alignment at Blue Larkspur Land and Citation Court) and in/around staging area from 0730 to 1500.
    - Confirmed integrity of BMP measures on stormwater drains immediately adjacent and ahead of construction.
    - Confirmed that water used for dust abatement was minimized to avoid formation of wildlife attracting puddles per MM 4.6-1c (15).
    - Confirmed continued usage of hazardous spill protective measures under vehicles and equipment at end of day.
    - Photographed and recorded monitoring activities.
- 4/1/2020
    - Conducted wildlife clearance survey on all vehicles and equipment at staging area and on alignment.
    - Walked alignment and staging area during construction activities and conducted daily monitoring requirements per MM 4.6-1c.
    - Conducted surveys for nesting birds, MDFW nests, and American badger dens along pipeline alignment from Ragsdale Drive Station 10+00 to Station 20+56 (end of alignment at Blue Larkspur Land and Citation Court) and in/around staging area from 0730 to 1200.
    - Identified bushtit (*Psaltriparus minimus*) nest adjacent to Lower Ragsdale Road (no construction activity currently within buffer area).
    - Confirmed integrity of BMP measures on stormwater drains immediately adjacent and ahead of construction.
    - Confirmed that water used for dust abatement was minimized to avoid formation of wildlife attracting puddles per MM 4.6-1c (15).
    - Confirmed continued usage of hazardous spill protective measures under vehicles and equipment at end of day.
    - Photographed and recorded monitoring activities.
- 4/2/2020
    - Conducted wildlife clearance survey on all vehicles and equipment at staging area and on alignment.
    - Walked alignment and staging area during construction activities and conducted daily monitoring requirements per MM 4.6-1c.
    - Met with ESA and conducted site walkthrough.

- Conducted surveys for nesting birds, MDFW nests, and American badger dens along pipeline alignment from Ragsdale Drive Station 10+00 to Station 22+66 (end of alignment at Blue Larkspur Land and Citation Court) and in/around staging area from 1300 to 1430.
- Identified swallow (*Hirundo* ssp.) nest adjacent to Wilson Road inside commercial building (no construction activity currently within buffer area).
- Conducted nesting bird behavioral baseline survey for identified bushtit adjacent to Lower Ragsdale Road and swallow nest adjacent to Wilson Road from 0730 to 1100
- Confirmed integrity of BMP measures on stormwater drains immediately adjacent and ahead of construction.
- Confirmed that water used for dust abatement was minimized to avoid formation of wildlife attracting puddles per MM 4.6-1c (15).
- Confirmed continued usage of hazardous spill protective measures under vehicles and equipment at end of day.
- Photographed and recorded monitoring activities.

Environmental Compliance Issues

DD&A discussed need for additional trash and recycling receptacles at staging area (MPE added recommended receptacles by next workday).

Recommendations

No adaptive management or mitigation is required.

Attachments

- Daily Monitoring Logs
- Site Photos

Daily Monitoring Logs

MPWSP Ryan Ranch-Bishop Interconnection Daily Log Report

Date: 3/27 Time On-Site: 7:00 Location: Ryan Ranch Wilson Rd & Lower Ragsdale

Monitoring Personnel: M. Hofmeister, M. Johnson

On-Site Construction Personnel: NPE

✓	Daily Monitoring Requirements	Notes
✓	**Prior to movements on-site**, inspect the ground beneath vehicles and equipment prior allow any wildlife identified to move on its own.	
✓	Verify that all installed fencing, staking, flagging, and signage is in place and is in properly maintained condition.	
✓	Verify vehicle speeds within the project do not not exceed 15 miles per hour on roads within the sites.	
✓	Verify that all stockpiled materials are within the paved roadways and staging area in the construction footprint boundary.	
✓	Verify that construction activities are confined to the existing road rights-of-way and that standard BMPs (e.g., setbacks and use of silt fences and fiber rolls) are being implemented to prevent loss of habitat.	
✓	Verify that fueling of construction equipment occurs off-site. If fueling must occur onsite, verify that fueling occurs at least 50 feet from drainages and native habitats.	
✓	Evaluate the construction area for the introduction of exotic species and, if necessary, require the contractor to clean or otherwise remove the suspected material to the satisfaction of the CalAm Site Supervisor or their designee. If straw materials are required for erosion control, verify that only weed-free straw is used.	
✓	Verify that any vegetation control measures are performed using only mechanical means under the supervision of the Lead Biologist and the CalAm Site Supervisor (also a qualified biologist).	
✓	Verify that special-status plant species are flagged for avoidance, and that flagging remains in place for the duration of the project.	
✓	If special-status wildlife species are found on the site immediately prior to construction or during project construction, stop construction activities in the vicinity of the animal until the animal moves on its own (if possible, as determined by the Lead Biologist or biological monitor) outside of the project area.	
✓	Verify that all excavated holes or trenches are covered at the end of each day, or escape ramps for wildlife provided in accordance with the Lead Biologist or CalAm Field Supervisor. Prior to the filling of such holes or trenches, thoroughly inspect them for trapped animals and, if necessary, verify that escape ramps are installed to allow escape. If listed species are trapped, they will be relocated with authorization from the USFWS and/or CDFW, as may be applicable.	
✓	Verify that all construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more are inspected for special-status wildlife before the pipe is subsequently buried, capped, or otherwise used or moved in any way. If a special-status animal is discovered inside a pipe, that section of pipe will not be moved without approval from the appropriate resource agency. If necessary, under the direct supervision of the qualified biologist, the pipe may be moved once to remove it from the path of construction activity until the animal has escaped.	
✓	Observe and confirm all vertical tubes used in project construction, such as chain link fencing poles or signage mounts, are or permanently capped at the time they are installed to avoid the entrapment and death of special-status birds.	
✓	Verify that water used for dust abatement is minimized so that common ravens and other predators are not attracted to the work area.	
✓	Verify that any hazardous spills are immediately cleaned up and the contaminated soil is properly disposed of at a licensed facility.	
✓	Verify that trash and food items are contained in closed containers and removed from the construction site daily.	
✓	Verify that intentional killing or collection of wildlife species by project workers, including special-status species in the project area and surrounding areas, does not occur.	

Monitoring Activities:

-0700: conducted clearance surveys of all vehicles & equipment at staging area & on alignment.

0745-0830: conducted nesting bird surveys along & ahead of alignment constructed (Lower Rangedale & Wilson Rd to end of align)

- confirmed that previously occupied Junco nest was cleared of eggs by local crows.

1030-1200: met with ESA, discussed ongoing MM onsite
- confirmed ongoing nesting bird surveys
- monitored pipeline installation
- monitored traffic control
- walked alignment & staging areas
- suggested additional trash receptacles on site (staging area)

1230: left site

Corrective Actions (If Any):

- additional trash receptacles needed at staging yard
- food litter on site

MPWSP Ryan Ranch-Bishop Interconnection Daily Log Report

Date: 3/30 Time On-Site: 0700 Location: Ryan Ranch Wilson Rd. Poket Lower Rugsdale

Monitoring Personnel: M. Hofmeister

On-Site Construction Personnel: APE

✓	Daily Monitoring Requirements	Notes
✓	**Prior to movements on-site,** inspect the ground beneath vehicles and equipment prior allow any wildlife identified to move on its own.	
✓	Verify that all installed fencing, staking, flagging, and signage is in place and is in properly maintained condition.	
✓	Verify vehicle speeds within the project do not not exceed 15 miles per hour on roads within the sites.	
✓	Verify that all stockpiled materials are within the paved roadways and staging area in the construction footprint boundary.	
✓	Verify that construction activities are confined to the existing road rights-of-way and that standard BMPs (e.g., setbacks and use of silt fences and fiber rolls) are being implemented to prevent loss of habitat.	
✓	Verify that fueling of construction equipment occurs off-site. If fueling must occur onsite, verify that fueling occurs at least 50 feet from drainages and native habitats.	
✓	Evaluate the construction area for the introduction of exotic species and, if necessary, require the contractor to clean or otherwise remove the suspected material to the satisfaction of the CalAm Site Supervisor or their designee. If straw materials are required for erosion control, verify that only weed-free straw is used.	
✓	Verify that any vegetation control measures are performed using only mechanical means under the supervision of the Lead Biologist and the CalAm Site Supervisor (also a qualified biologist).	
✓	Verify that special-status plant species are flagged for avoidance, and that flagging remains in place for the duration of the project.	
✓	If special-status wildlife species are found on the site immediately prior to construction or during project construction, stop construction activities in the vicinity of the animal until the animal moves on its own (if possible, as determined by the Lead Biologist or biological monitor) outside of the project area.	
✓	Verify that all excavated holes or trenches are covered at the end of each day, or escape ramps for wildlife provided in accordance with the Lead Biologist or CalAm Field Supervisor. Prior to the filling of such holes or trenches, thoroughly inspect them for trapped animals and, if necessary, verify that escape ramps are installed to allow escape. If listed species are trapped, they will be relocated with authorization from the USFWS and/or CDFW, as may be applicable.	
✓	Verify that all construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more are inspected for special-status wildlife before the pipe is subsequently buried, capped, or otherwise used or moved in any way. If a special-status animal is discovered inside a pipe, that section of pipe will not be moved without approval from the appropriate resource agency. If necessary, under the direct supervision of the qualified biologist, the pipe may be moved once to remove it from the path of construction activity until the animal has escaped	
✓	Observe and confirm all vertical tubes used in project construction, such as chain link fencing poles or signage mounts, are or permanently capped at the time they are installed to avoid the entrapment and death of special-status birds.	
✓	Verify that water used for dust abatement is minimized so that common ravens and other predators are not attracted to the work area.	
✓	Verify that any hazardous spills are immediately cleaned up and the contaminated soil is properly disposed of at a licensed facility.	
✓	Verify that trash and food items are contained in closed containers and removed from the construction site daily.	
✓	Verify that intentional killing or collection of wildlife species by project workers, including special-status species in the project area and surrounding areas, does not occur.	

Monitoring Activities:

- 0700 - arrived onsite, conducted clearance surveys under all vehicles/equipment on alignment & staging area.
- 0700 - 1200: conducted nesting bird, MDFW, & American Badger surveys from Rugsdale Rd Sta 10+00 to end of alignment.
- 1000: monitored trenching of asphalt pavement along Wilson Rd in preparation for pipeline installation
- 1400: crew paving roadway
- 1700: crew packing up traffic control
  - leaving site

Corrective Actions (If Any):

- confirmed new trash receptacles at staging area

MPWSP Ryan Ranch-Bishop Interconnection Daily Log Report

Date: 3/31 Time On-Site: 7:00 Location: Ryan Ranch Wilson Rd & York

Monitoring Personnel: M. Hoffmacher

On-Site Construction Personnel: MPE

✓	Daily Monitoring Requirements	Notes
✓	**Prior to movements on-site,** inspect the ground beneath vehicles and equipment prior allow any wildlife identified to move on its own.	
✓	Verify that all installed fencing, staking, flagging, and signage is in place and is in properly maintained condition.	
✓	Verify vehicle speeds within the project do not not exceed 15 miles per hour on roads within the sites.	
✓	Verify that all stockpiled materials are within the paved roadways and staging area in the construction footprint boundary.	
✓	Verify that construction activities are confined to the existing road rights-of-way and that standard BMPs (e.g., setbacks and use of silt fences and fiber rolls) are being implemented to prevent loss of habitat.	
✓	Verify that fueling of construction equipment occurs off-site. If fueling must occur onsite, verify that fueling occurs at least 50 feet from drainages and native habitats.	
✓	Evaluate the construction area for the introduction of exotic species and, if necessary, require the contractor to clean or otherwise remove the suspected material to the satisfaction of the CalAm Site Supervisor or their designee. If straw materials are required for erosion control, verify that only weed-free straw is used.	
✓	Verify that any vegetation control measures are performed using only mechanical means under the supervision of the Lead Biologist and the CalAm Site Supervisor (also a qualified biologist).	
✓	Verify that special-status plant species are flagged for avoidance, and that flagging remains in place for the duration of the project.	
✓	If special-status wildlife species are found on the site immediately prior to construction or during project construction, stop construction activities in the vicinity of the animal until the animal moves on its own (if possible, as determined by the Lead Biologist or biological monitor) outside of the project area.	
✓	Verify that all excavated holes or trenches are covered at the end of each day, or escape ramps for wildlife provided in accordance with the Lead Biologist or CalAm Field Supervisor. Prior to the filling of such holes or trenches, thoroughly inspect them for trapped animals and, if necessary, verify that escape ramps are installed to allow escape. If listed species are trapped, they will be relocated with authorization from the USFWS and or CDFW, as may be applicable.	
✓	Verify that all construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more are inspected for special-status wildlife before the pipe is subsequently buried, capped, or otherwise used or moved in any way. If a special-status animal is discovered inside a pipe, that section of pipe will not be moved without approval from the appropriate resource agency. If necessary, under the direct supervision of the qualified biologist, the pipe may be moved once to remove it from the path of construction activity until the animal has escaped.	
✓	Observe and confirm all vertical tubes used in project construction, such as chain link fencing poles or signage mounts, are or permanently capped at the time they are installed to avoid the entrapment and death of special-status birds.	
✓	Verify that water used for dust abatement is minimized so that common ravens and other predators are not attracted to the work area.	
✓	Verify that any hazardous spills are immediately cleaned up and the contaminated soil is properly disposed of at a licensed facility.	
✓	Verify that trash and food items are contained in closed containers and removed from the construction site daily.	
✓	Verify that intentional killing or collection of wildlife species by project workers, including special-status species in the project area and surrounding areas, does not occur.	

Monitoring Activities:

- 0700: Arrived onsite, decred vehicles + equipment at staging area on alignment

- 0730: delivery truck (non-construction) brushed against roadside oak tree on Wilson Rd, needed traffic cone replacement

0730 - 1200: monitored pipeline installation

1200 - 1500: conducted nesting bird, NDFW, & American badger surveys from Reynolds Sta 10+00 to end of alignment

1500: crew cleaning road, compacting trench, & paving roadway

Corrective Actions (If Any):

- Moved traffic cones away from road center to give traffic room to avoid oak trees

Ryan Ranch-Bishop Interconnection Improvements Checklist

Ryan Ranch Bio Compliance Checklist - Phase 1 v2

Project	Ryan Ranch-Bishop Interconnection Improvements
ID	84072
Survey Date	04/01/2020
User	Patric Krabacher

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	Wilson Road
Company Name	☐ AECOM ☒ DDA
Monitor Name	Patric Krabacher
Time In	06:44 AM
Time Out	03:30 PM

Weather

Start Temperature (F)	48
Start Cloud Cover (%)	0
Start Wind Speed (mph)	10
End Temperature (F)	63
End Cloud Cover (%)	0
End Wind Speed (mph)	20

Detailed Monitoring Activity

Construction Activities Monitored	Monitored the installation of pipeline along Blue Larkspur Ln
Log of Monitoring Activities	Conducted clearance surveys of staging area and equipment staged on Lower Ragsdale Conducted nesting bird survey along entire pipeline alignment. Found active bushtit nest on Lower Ragsdale not work being conducted in the area currently.

General Project Site Photo(s)

pipeline installation along Blue Larkspur Ln

MM 4.6-1b - WEAT

4.6-1B. CONSTRUCTION WORKER ENVIRONMENTAL AWARENESS TRAINING AND EDUCATION

4.6-1b. 1. All workers attend WEAT training and have sticker on hardhat?	[ ] N/A [ ] No [X] Yes

WEAT Notes

MM 4.6-1c - GENERAL

4.6-1C. GENERAL AVOIDANCE AND MINIMIZATION MEASURES

4.6-1c. 1. Construction footprint, staging areas, equipment access routes, and disposal or temporary placement of spoils, delineated with stakes and flagging prior to construction to avoid natural resources outside of the project area?	[ ] N/A [ ] No [X] Yes
4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?	[ ] N/A [ ] No [X] Yes
4.6-1c. 3.Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?	[ ] N/A [ ] No [X] Yes
4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?	[ ] N/A [ ] No [X] Yes
4.6-1c. 5. Standard best management practices employed to prevent loss of habitat due to erosion caused by project related impacts?	[ ] N/A [ ] No [X] Yes

4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?	[ ] N/A [ ] No [X] Yes
4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?	[ ] N/A [ ] No [X] Yes
4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?	[X] N/A [ ] No [ ] Yes
4.6-1c. 9. Prior to construction at any site where special-status amphibians, reptiles and mammals have a moderate or high potential to occur, the construction work area boundary was fenced with a temporary exclusion fence to prevent special-status wildlife from entering the site during construction?	[ ] N/A [ ] No [X] Yes
4.6-1c. 10. If special-status wildlife species were found on the site immediately prior to construction or during project construction, construction activities ceased in the vicinity of the animal until the animal moved on its own outside of the project area?	[X] N/A [ ] No [ ] Yes
4.6-1c. 11. Immediately prior to conducting vegetation removal or grading activities inside fenced exclusion areas, qualified biologist(s) surveyed within the exclusion area to ensure that no special-status species were present?	[X] N/A [ ] No [ ] Yes
4.6-1c. 12. All excavated, steep-walled holes or trenches more than 2 feet deep were inspected for trapped animals and covered with plywood or similar materials at the close of each work day, or escape ramps constructed of earth fill or wooden planks positioned within the excavations to allow special-status wildlife to escape on their own?	[ ] N/A [ ] No [X] Yes
4.6-1c. 13. All construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more were inspected for special-status wildlife before the pipe was subsequently buried, capped, or otherwise used or moved in any way?	[ ] N/A [ ] No [X] Yes
4.6-1c. 14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, were temporarily or permanently capped at the time they are installed to avoid the entrapment and death of special status birds?	[ ] N/A [ ] No [X] Yes
4.6-1c. 15. Water used for dust abatement was minimized in an effort to avoid the formation of puddles that could attract common ravens and other predators to the construction work areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	[ ] N/A [ ] No [X] Yes
4.6-1c. 17. All vehicles and equipment were in proper working condition to ensure that there was no potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials?	[ ] N/A [ ] No [X] Yes

4.6-1c. 18. Trash and food items were contained in closed containers and removed from the construction site daily to reduce the attractiveness to opportunistic predators such as common ravens, coyotes, and feral dogs?	[ ] N/A [ ] No [X] Yes
4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 20. Workers did not intentionally kill or collect wildlife species, including special-status species in the project area and surrounding areas?	[ ] N/A [ ] No [X] Yes
General Notes	

MM 4.6-1i - NESTING BIRDS

4.6-1I. AVOIDANCE AND MINIMIZATION MEASURES FOR NESTING BIRDS	
4.6-1i. 2. Surveys covered all potential nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds?	[ ] N/A [ ] No [X] Yes
4.6-1i. 3. If a break of 10 days or more in construction activities during the breeding season, a new nesting bird survey was conducted before re-initiating construction?	[ ] N/A [ ] No [X] Yes
4.6-1i. 4. Clearance surveys were performed prior to work activities, nesting birds absent and impacts avoided?	[ ] N/A [ ] No [X] Yes
4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	[X] N/A [ ] No [ ] Yes
Nesting Bird Notes	

MM 4.6-1j - BADGER

4.6-1J. AVOIDANCE AND MINIMIZATION MEASURES FOR AMERICAN BADGER.	
4.6-1j. 1. Qualified biologist conducted preconstruction surveys for American badger dens in suitable habitat prior to the start of construction at potentially affected sites within 100 feet of the project area boundary?	[ ] N/A [ ] No [X] Yes
4.6-1j. 2. Along pipeline alignments, surveys were phased to occur within 14 days prior to disturbance along that portion of the alignment?	[ ] N/A [ ] No [X] Yes
4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?	[X] N/A [ ] No

	[ ] Yes
4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?	[X] N/A [ ] No [ ] Yes
4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?	[X] N/A [ ] No [ ] Yes
Badger Notes	

MM 4.6-1k - WOODRAT

4.6-1K. AVOIDANCE AND MINIMIZATION MEASURES FOR MONTEREY DUSKY-FOOTED WOODRAT

4.6-1k. 1. Qualified biologist conducted preconstruction surveys for Monterey dusky-footed woodrat within 14 days prior to the start of construction in suitable habitat and identify any woodrat nests located within 50 feet of anticipated construction disturbance areas?	[ ] N/A [ ] No [X] Yes
4.6-1k. 2. If woodrat nests were found during the preconstruction surveys, the biologist conducted additional surveys throughout the duration of construction activities at the potentially affected facility site to identify any newly constructed woodrat nests?	[ ] N/A [ ] No [X] Yes
4.6-1k. 3. If nests were observed outside of the construction area, the qualified biologist demarcated a minimum 50-foot buffer area with orange construction fencing and required all construction activities and disturbance remain outside of the fencing?	[ ] N/A [ ] No [X] Yes
4.6-1k. 4. Active woodrat nests located within the anticipated construction disturbance areas were relocated outside of the peak breeding season, (peak breeding season is typically February through November) to minimize disturbance to young woodrats?	[X] N/A [ ] No [ ] Yes
4.6-1k. 5. Clearance survey performed prior to work activities, woodrat absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	[X] N/A [ ] No [ ] Yes
Woodrat Notes	

MM 4.6-1p - INVASIVE PLANTS

4.6-1P.CONTROL MEASURES FOR SPREAD OF INVASIVE PLANTS

4.6-1p. 1. Driving or operating equipment was avoided in weed-infested areas outside of fenced work areas and travel was restricted to established roads?	☐	N/A
	☐	No
	☒	Yes
4.6-1p. 2. Leaving exposed soil or construction materials in areas with the potential for invasive plants (e.g., in staging areas) was avoided?	☐	N/A
	☐	No
	☒	Yes
4.6-1p. 3. Tools, equipment, and vehicles were clean before transporting materials and before entering and leaving worksites (e.g., wheel washing stations at Project site access points)?	☐	N/A
	☐	No
	☒	Yes
4.6-1p. 4. Vehicles and equipment were inspected for weed seeds and/or propagules stuck in tire treads or mud on the vehicle to minimize the risk of carrying them to unaffected areas?	☐	N/A
	☐	No
	☒	Yes
4.6-1p. 5. Vehicles and equipment inspected prior to project initiation at applicable work areas for weed seeds and plant fragments that could colonize within the site or be transported to other sites?	☐	N/A
	☐	No
	☒	Yes
4.6-1p. 6. At project initiation, all construction vehicles were cleaned to remove soil and plant fragments at designated locations, and vehicles or equipment that were not clean were rejected until clear of weed seed and plant fragments?	☐	N/A
	☐	No
	☒	Yes
4.6-1p. 7. All equipment and tools involved in soil disturbance at applicable work areas were disinfected using a 10% bleach or 70% isopropyl alcohol solution prior to initial use or prior to returning to applicable work areas if used on another project site?	☐	N/A
	☐	No
	☒	Yes
4.6-1p. 8. Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) were used for the project?	☐	N/A
	☐	No
	☒	Yes
Invasive Plant Notes		

Sensitive Species Observation

Sensitive species observed?	☒	No
	☐	Yes

Additional Notes

Ryan Ranch-Bishop Interconnection Improvements Checklist

Ryan Ranch Bio Compliance Checklist - Phase 1 v2

Project	Ryan Ranch-Bishop Interconnection Improvements
ID	84407
Survey Date	04/02/2020
User	Patric Krabacher

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	
Company Name	☐ AECOM ☒ DDA
Monitor Name	Patric Krabacher
Time In	06:59 AM
Time Out	04:22 PM

Weather

Start Temperature (F)	49
Start Cloud Cover (%)	0
Start Wind Speed (mph)	5
End Temperature (F)	65
End Cloud Cover (%)	0
End Wind Speed (mph)	12

Detailed Monitoring Activity

Construction Activities Monitored	Monitored the installation of blowoff along Wilson Rd
Log of Monitoring Activities	Conducted clearance survey of staging area and all equipment staging along Lower Ragsdale Conducted nesting bird survey along entire alignment Met with ESA for weekly walkthrough

General Project Site Photo(s)

installation of blowoff along Wilson Rd

MM 4.6-1b - WEAT

4.6-1B. CONSTRUCTION WORKER ENVIRONMENTAL AWARENESS TRAINING AND EDUCATION

4.6-1b. 1. All workers attend WEAT training and have sticker on hardhat?	☐ N/A ☐ No ☒ Yes

WEAT Notes

MM 4.6-1c - GENERAL

4.6-1C. GENERAL AVOIDANCE AND MINIMIZATION MEASURES

4.6-1c. 1. Construction footprint, staging areas, equipment access routes, and disposal or temporary placement of spoils, delineated with stakes and flagging prior to construction to avoid natural resources outside of the project area?	☐ N/A ☐ No ☒ Yes
4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?	☐ N/A ☐ No ☒ Yes
4.6-1c. 3.Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?	☐ N/A ☐ No ☒ Yes
4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?	☐ N/A ☐ No ☒ Yes
4.6-1c. 5. Standard best management practices employed to prevent loss of habitat due to erosion caused by project related impacts?	☐ N/A ☐ No ☒ Yes

4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?	[ ] N/A [ ] No [X] Yes
4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?	[ ] N/A [ ] No [X] Yes
4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?	[X] N/A [ ] No [ ] Yes
4.6-1c. 9. Prior to construction at any site where special-status amphibians, reptiles and mammals have a moderate or high potential to occur, the construction work area boundary was fenced with a temporary exclusion fence to prevent special-status wildlife from entering the site during construction?	[ ] N/A [ ] No [X] Yes
4.6-1c. 10. If special-status wildlife species were found on the site immediately prior to construction or during project construction, construction activities ceased in the vicinity of the animal until the animal moved on its own outside of the project area?	[X] N/A [ ] No [ ] Yes
4.6-1c. 11. Immediately prior to conducting vegetation removal or grading activities inside fenced exclusion areas, qualified biologist(s) surveyed within the exclusion area to ensure that no special-status species were present?	[X] N/A [ ] No [ ] Yes
4.6-1c. 12. All excavated, steep-walled holes or trenches more than 2 feet deep were inspected for trapped animals and covered with plywood or similar materials at the close of each work day, or escape ramps constructed of earth fill or wooden planks positioned within the excavations to allow special-status wildlife to escape on their own?	[ ] N/A [ ] No [X] Yes
4.6-1c. 13. All construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more were inspected for special-status wildlife before the pipe was subsequently buried, capped, or otherwise used or moved in any way?	[ ] N/A [ ] No [X] Yes
4.6-1c. 14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, were temporarily or permanently capped at the time they are installed to avoid the entrapment and death of special status birds?	[ ] N/A [ ] No [X] Yes
4.6-1c. 15. Water used for dust abatement was minimized in an effort to avoid the formation of puddles that could attract common ravens and other predators to the construction work areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	[ ] N/A [ ] No [X] Yes
4.6-1c. 17. All vehicles and equipment were in proper working condition to ensure that there was no potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials?	[ ] N/A [ ] No [X] Yes

4.6-1c. 18. Trash and food items were contained in closed containers and removed from the construction site daily to reduce the attractiveness to opportunistic predators such as common ravens, coyotes, and feral dogs?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 20. Workers did not intentionally kill or collect wildlife species, including special-status species in the project area and surrounding areas?	[ ]	N/A
	[ ]	No
	[X]	Yes

General Notes

MM 4.6-1i - NESTING BIRDS

4.6-1I. AVOIDANCE AND MINIMIZATION MEASURES FOR NESTING BIRDS

4.6-1i. 2. Surveys covered all potential nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1i. 3. If a break of 10 days or more in construction activities during the breeding season, a new nesting bird survey was conducted before re-initiating construction?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1i. 4. Clearance surveys were performed prior to work activities, nesting birds absent and impacts avoided?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	[X]	N/A
	[ ]	No
	[ ]	Yes

Nesting Bird Notes

MM 4.6-1j - BADGER

4.6-1J. AVOIDANCE AND MINIMIZATION MEASURES FOR AMERICAN BADGER.

4.6-1j. 1. Qualified biologist conducted preconstruction surveys for American badger dens in suitable habitat prior to the start of construction at potentially affected sites within 100 feet of the project area boundary?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1j. 2. Along pipeline alignments, surveys were phased to occur within 14 days prior to disturbance along that portion of the alignment?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?	[X]	N/A
	[ ]	No

	[ ] Yes
4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?	[X] N/A [ ] No [ ] Yes
4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?	[X] N/A [ ] No [ ] Yes
Badger Notes	

MM 4.6-1k - WOODRAT

4.6-1K. AVOIDANCE AND MINIMIZATION MEASURES FOR MONTEREY DUSKY-FOOTED WOODRAT

4.6-1k. 1. Qualified biologist conducted preconstruction surveys for Monterey dusky-footed woodrat within 14 days prior to the start of construction in suitable habitat and identify any woodrat nests located within 50 feet of anticipated construction disturbance areas?	[ ] N/A [ ] No [X] Yes
4.6-1k. 2. If woodrat nests were found during the preconstruction surveys, the biologist conducted additional surveys throughout the duration of construction activities at the potentially affected facility site to identify any newly constructed woodrat nests?	[ ] N/A [ ] No [X] Yes
4.6-1k. 3. If nests were observed outside of the construction area, the qualified biologist demarcated a minimum 50-foot buffer area with orange construction fencing and required all construction activities and disturbance remain outside of the fencing?	[ ] N/A [ ] No [X] Yes
4.6-1k. 4. Active woodrat nests located within the anticipated construction disturbance areas were relocated outside of the peak breeding season, (peak breeding season is typically February through November) to minimize disturbance to young woodrats?	[X] N/A [ ] No [ ] Yes
4.6-1k. 5. Clearance survey performed prior to work activities, woodrat absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	[X] N/A [ ] No [ ] Yes
Woodrat Notes	

MM 4.6-1p - INVASIVE PLANTS

4.6-1P.CONTROL MEASURES FOR SPREAD OF INVASIVE PLANTS

4.6-1p. 1. Driving or operating equipment was avoided in weed-infested areas outside of fenced work areas and travel was restricted to established roads?	☐	N/A
	☐	No
	☒	Yes
4.6-1p. 2. Leaving exposed soil or construction materials in areas with the potential for invasive plants (e.g., in staging areas) was avoided?	☐	N/A
	☐	No
	☒	Yes
4.6-1p. 3. Tools, equipment, and vehicles were clean before transporting materials and before entering and leaving worksites (e.g., wheel washing stations at Project site access points)?	☐	N/A
	☐	No
	☒	Yes
4.6-1p. 4. Vehicles and equipment were inspected for weed seeds and/or propagules stuck in tire treads or mud on the vehicle to minimize the risk of carrying them to unaffected areas?	☐	N/A
	☐	No
	☒	Yes
4.6-1p. 5. Vehicles and equipment inspected prior to project initiation at applicable work areas for weed seeds and plant fragments that could colonize within the site or be transported to other sites?	☐	N/A
	☐	No
	☒	Yes
4.6-1p. 6. At project initiation, all construction vehicles were cleaned to remove soil and plant fragments at designated locations, and vehicles or equipment that were not clean were rejected until clear of weed seed and plant fragments?	☐	N/A
	☐	No
	☒	Yes
4.6-1p. 7. All equipment and tools involved in soil disturbance at applicable work areas were disinfected using a 10% bleach or 70% isopropyl alcohol solution prior to initial use or prior to returning to applicable work areas if used on another project site?	☐	N/A
	☐	No
	☒	Yes
4.6-1p. 8. Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) were used for the project?	☐	N/A
	☐	No
	☒	Yes
Invasive Plant Notes		

Sensitive Species Observation

Sensitive species observed?	☒	No
	☐	Yes

Additional Notes

Site Photos

Photo 1. View of abandoned Dark-eyed junco nest adjacent to Wilson Road. (3-27-2020)

Photo 2. Confirmed integrity of stormwater drain protection adjacent to construction. (3-27-2020)

Photo 3. Intact ESA fencing around protected coast live oak tree adjacent to staging area. (3-27-2020)

Photo 4. Hazardous spill protection under parked equipment in staging area. (3-30-2020)

Photo 5. Confirmed additional trash receptacles at staging area. (3-30-2020)

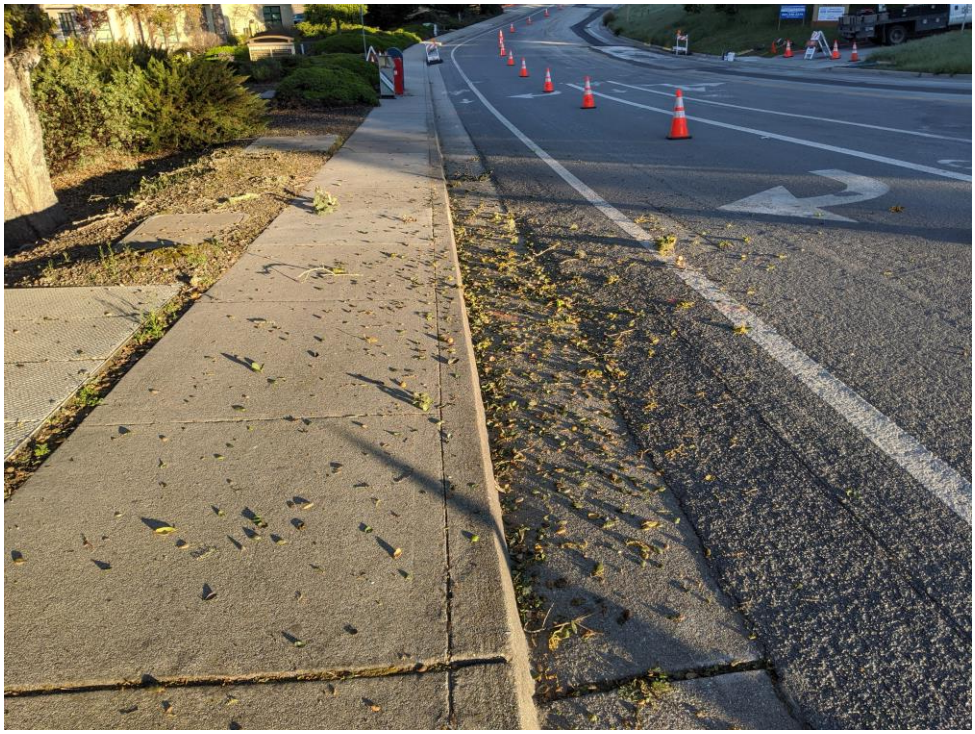

Photo 6. Leaf litter caused by traffic brushing against overhanging coast live oak tree. (3-31-2020)

Photo 7. Relocated traffic cones to allow for additional space for traffic to avoid coast live oak tree. (3-31-2020)

Photo 8. Minimal water usage on roadway to limit dust along alignment. (3-31-2020)

APPENDIX B

CPUC Inspection Logs

ESA Biological Resources

550 Kearny Street
Suite 800
San Francisco, CA 94108
415.896.5900 main phone

www.esassoc.com

Monterey Peninsula Water Supply Project (MPWSP)

Daily Monitoring Log

Date: 04/02/2020 **Time:** 11:00 – 12:30

Report Code: MPWSP_20200402_sd

Project Site: Ryan Ranch – Bishop Interconnection Improvements

Compliance Level:

Acceptable ☐ Level 0: Unanticipated Event ☐ Level 1: Minor Incident ☒
Level 2: Moderate Incident ☐ Level 3: Major Incident ☐

Compliance Advisory or Non-Compliance form attached Yes ☐ No ☒

Photo Documentation Yes ☒ No ☐

Type of Monitoring:

Full-time ☐ Spot-check ☒ SWPPP inspection ☐
Biological ☒ Re-inspection ☐

Construction Activity(s) Being Monitored:

- Installation of blow-offs valves on Wilson Road and Lower Ragsdale Drive. Work being conducted by Monterey Peninsula Engineers (MPE).

General Summary of Mitigation Compliance and Site Conditions:

- Denise Duffy & Associates (CalAm monitors) on site for compliance monitoring.
- All work is restricted to existing roadways. All storm drains were protected with sand bags and mesh. MPE conducting regular street sweeping.
- Special status species plants (i.e., *Horkelia cuneata ssp.*) have been flagged along the entire construction area.
- Any woodrat middens along Lower Ragsdale Drive have been flagged to demarcate the area and prevent any construction related impacts to middens.
- CalAm monitor on site monitoring behavior at known bird nest locations.
    - One active bushtit nest in an oak tree growing along Wilson Road. No reported evidence of disturbance from construction related activities.
    - One active bushtit nest in an oak tree on Lower Ragsdale Drive. No reported evidence of disturbance from construction related activities.
    - Two crow nests along lower Ragsdale Drive and near Wilson pond being monitored for signs of incubation.

ESA Biological Resources

550 Kearny Street
Suite 800
San Francisco, CA 94108
415.896.5900 main phone

www.esassoc.com

- The work staging and equipment staging area is located at an existing graveled area adjacent to the east side of York Road at Highway 68. Tree protection and silt fencing around the perimeter of the staging area are in good condition.
- ESA noted the following Level 1 Minor Incident:
  - Trash in receptacles but not properly contained within the staging area off York Road. ESA monitors reported this to CalAm monitors.

Sharon Dulava
ESA Monitor

04/02/2020
Date

Photo 1. MPE installation of blow off valves on Lower Ragsdale Drive.

Photo 2. Bushtit nest near Lower Ragsdale Drive.

Photo 3. Trash receptacles not properly contained within staging area.

Photo 4. MPE installation of blow off valves on Wilson Road.