

memorandum

date December 13, 2021

to John Forsythe, AICP

cc Alexandra Thompson (ESA), Eric Zigas (ESA)

from Sharon Dulava (ESA)

subject MPWSP – Carmel Valley Pump Station Project Weekly Report (12/06/2021 – 12/10/2021)

Construction Activities

Construction activities observed during the week of 12/6/2021 – 12/10/2021 included site grading, electrical trench excavation for transformer installation, silt fence installation, concrete pouring, V-ditch installation, and repair of a broken water line. Work was conducted by Monterey Peninsula Engineering (MPE).

Compliance Activities

ESA was on site for a compliance inspection on 12/9/2021. Denise Duffy & Associates (CalAm monitors) were on site for compliance inspections, preconstruction surveys, and construction monitoring on 12/7/2021, 12/8/2021, and 12/9/2021. Trenching for the transformer and electrical components occurred between the new pump station and a PG&E power pole, which is located outside of (to the west of) exclusion fencing. CalAm monitors conducted pre-construction clearance surveys on 12/7/2021, 12/8/2021, and 12/9/2021 for California red-legged frog and Monterey dusky-footed woodrat prior to trenching activities outside of the exclusion fence. No special-status species were observed. CalAm monitors provided full-time monitoring during all construction activities occurring outside of the exclusion fence.

On 12/8/2021, the electrical contractor severed a water line located adjacent to the PG&E power pole. The amount of water discharged was limited and was contained within a relatively small area. None of the discharged water entered the Carmel River. The discharge was shut off shortly after the line was severed and the water line was repaired the following day on 12/9/2021.

A small section of silt fence along the north border was moved to accommodate the V-ditch alignment. The spoils stock pile remains covered with Visqueen material and surrounded by amphibian-friendly straw wattle (**Mitigation Measure 4.6-1**). No spills or hazardous materials were observed (**Mitigation Measure 4.6-1c. 17**). Trash was properly disposed of in a closed receptacle (**Mitigation Measure 4.6-1c.**).

Additional information about compliance activities is included in the weekly CalAm report included in **Appendix A** and ESA inspection log in **Appendix B**.

Compliance Issues and Resolutions

No compliance issues were observed during the week of 12/6/2021 – 12/10/2021.

APPENDIX A

CalAm Weekly Report



DENISE DUFFY & ASSOCIATES, INC.
PLANNING AND ENVIRONMENTAL CONSULTING

DATE: December 13, 2021

TO: Alexandra Thompson, Environmental Science Associates (ESA)

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

CC: Even Holmboe, ESA
Sharon Dulava, ESA
Tyler Potter, DD&A
Tim O'Halloran, CalAm

Denise Duffy & Associates, Inc. (DD&A) is contracted with AECOM to provide biological monitoring support for the California American Water Company (CalAm) Carmel Valley Pump Station (CVPS) component of the larger 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 December 6-10, 2021.

Project/Component: Carmel Valley Pump Station	Work Location: Carmel Valley Road & Rancho San Carlos Road
Monitoring Period: 12/6/2021 – 12/10/2021	Project Completion Status: Ongoing
Construction Contractors/Personnel: Monterey Peninsula Engineering	Biological Lead: M. Johnson
Biological Monitor: P. Krabacher	Days on Site: 12/7/2021, 12/8/2021, 12/9/2021

Biological Surveys: Yes	WEAT Training: No
New Sensitive Resources: No	SWPPP Corrective Actions/Maintenance: No
Encountered Special-Status Species: No	Hazardous Spills: No
Relocated Plants or Wildlife: No	Compliance Issues: No

Summary of Construction Activities

12/7/2021

- Grading within exclusion area for concrete slab pour and site contouring.
- Electrical trench excavation for transformer installation.

12/8/2021

- Grading within exclusion area for concrete slab pour and site contouring.
- Electrical trench excavation for transformer installation.

12/9/2021

- Grading within exclusion area for concrete slab pour and site contouring.
- V-ditch installation within exclusion fence area.
- Repair of waterline within electrical trench outside of exclusion fence.

Summary of Monitoring Activities

12/7/2021

- DD&A compliance monitor inspected the status of exclusionary fencing and proper trash disposal in accordance with Mitigation Measure 4.6-1c.
- Photographed project site conditions.
- DD&A compliance monitor documented sections of the exclusion fencing that had been repaired.
- DD&A conducted pre-construction clearance surveys outside of the exclusion fence for the installation of electrical to support the transformer. Pre-construction surveys were conducted for CRLF, and MDFW. No special-status species were identified. Memo of results pending.

12/8/2021

- DD&A compliance monitor inspected the status of exclusionary fencing and proper trash disposal in accordance with Mitigation Measure 4.6-1c.
- Photographed project site conditions.
- DD&A performed pre-construction clearance surveys on work area located outside the exclusion fencing and remained on site to provide monitoring support for all activities located outside exclusion fencing.
- The electrical contractor severed a water line during the trenching effort for the electrical conduit installation. The water line was located adjacent to the utility pole outside of the exclusion fencing (See Photos). MPE was able to locate the shut off valve relatively quickly to limit the amount of water that was discharged after the water line was severed. Although the discharge occurred outside of the exclusion fencing, MPE was able to contain the water to relatively small area, and no discharged water entered Carmel River. MPE ordered parts to repair the water line and the work was scheduled for the next day.

12/9/2021

- Conducted weekly site inspection with CPUC representative.
- DD&A compliance monitor inspected the status of exclusionary fencing and proper trash disposal in accordance with Mitigation Measure 4.6-1c.
- Photographed project site conditions.
- MPE repaired the severed water line.
- DD&A discussed v-ditch placement outside of exclusion fencing with MPE. MPE to discuss alignment with CalAm to avoid MDFW nests, if possible.
- DD&A performed pre-construction clearance surveys on work area located outside the exclusion fencing and remained on site to provide monitoring support for all activities located outside exclusion fencing.

Compliance Checklist

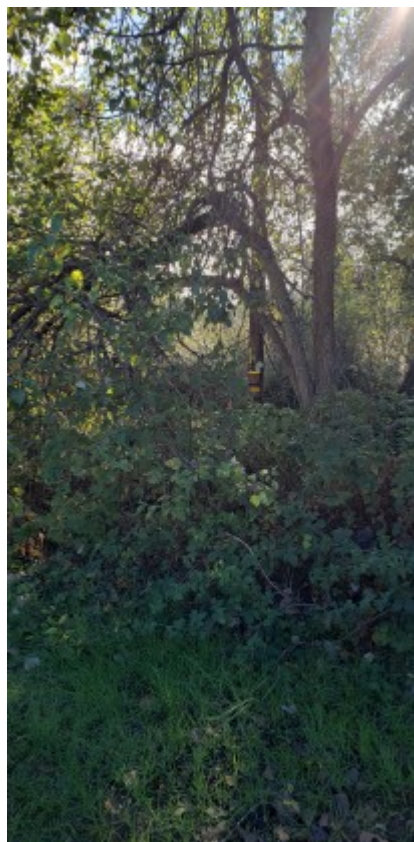
Compliance Question	Compliance Level	Note
MM 4.6-1b - WEAT		
4.6-1b. Construction Worker Environmental Awareness Training and Education		
4.6-1b. 1. All workers attend WEAT training and have sticker on hardhat?	Yes	
MM 4.6-1c - GENERAL		
4.6-1c. General Avoidance and Minimization Measures		
4.6-1c. 1. 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?	Yes	
4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?	Yes	
4.6-1c. 3. Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?	Yes	
4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?	Yes	
4.6-1c. 5. Standard best management practices employed to prevent loss of habitat due to erosion caused by project related impacts?	Yes	
4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?	Yes	
4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?	Yes	
4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?	N/A	
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?	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?	N/A	
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?	N/A	
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?	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?	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?	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?	Yes	
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	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?	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?	Yes	
4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	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?	Yes	
MM 4.6-1e - SPECIAL STATUS PLANTS		

Compliance Question	Compliance Level	Note
4.6-1e. Avoidance and Minimization Measures for Special-status Plants		
4.6-1e. 3. Special-status plants located within temporary construction areas were fenced or flagged for avoidance (if feasible) prior to construction?	N/A	
MM 4.6-1i - NESTING BIRDS		
4.6-1i. Avoidance and Minimization Measures for Nesting Birds		
4.6-1i. 1. 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?	Yes	
4.6-1i. 3. Surveys covered all potential nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds?	Yes	
4.6-1i. 2. For all construction activities scheduled during the nesting season (February 1 to September 15), a qualified biologist conducted a pre-construction avian nesting survey no more than 10 days prior to the start of staging, site clearing, and/or ground disturbance?	Yes	
4.6-1i. 4. Clearance surveys were performed prior to work activities and impacts avoided?	Yes	
4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	N/A	
MM 4.6-1k - WOODRAT		
4.6-1k. Avoidance and Minimization Measures for Monterey Dusky-Footed Woodrat		
4.6-1k. 5. Clearance surveys were performed prior to work activities and impacts avoided?	Yes	DD&A performed clearance surveys for electrical trench prior to any ground disturbing activities. No MDFW nests were identified.
4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	N/A	
4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	N/A	
MM 4.6-1o - CRLF & CTS		
4.6-1o. Avoidance and Minimization Measures for California Red-Legged Frog and California Tiger Salamander		
4.6-1o. 1. If California Red-legged Frog and California Tiger Salamander was observed, were the guidelines in the relocation plan followed and authorization from USFWS and CDFW obtained?	No	DD&A performed clearance surveys for electrical trench prior to any ground disturbing activities. No CRLF were identified.
4.6-1k. 2. If California Red-legged Frog and California Tiger Salamander was observed, was date, time, species, location, and behavior noted?	N/A	
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?	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?	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)?	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?	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?	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?	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?	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?	Yes	

Photos



12/07/2021 - Approximate alignment of electrical trench associated with transformer installation prior to ground disturbance from utility pole facing project site.



12/07/2021 - Approximate alignment of electrical trench associated with transformer installation prior to ground disturbance from project site facing utility pole.



12/07/2021 - Approximate alignment of electrical trench associated with transformer installation prior to ground disturbance from exclusion fence facing pump station/transformer location.



12/07/2021 - Approximate alignment of electrical trench associated with transformer installation prior to ground disturbance inside exclusion fence facing pump station/transformer location.



12/07/2021 - Realignment of the exclusion fencing following completion of clearance surveys.



12/07/2021 - Realignment of the exclusion fencing following completion of clearance surveys.



12/08/2021 - Electrical contractor working outside silt fencing along southern edge of the project.



12/08/2021 - Broken waterline outside of silt fencing being contained.



12/08/2021 - Electrical contractor trimming roots with sawzall.



12/08/2021 - Installation of electrical line to CVPS.



12/08/2021 - Completed electrical installation outside of silt fence, open hole left for MPE to fix broken water pipe. Ramp built for wildlife to exit and not become entrapped.



12/08/2021 - MPE re-installing silt fencing where it was taken down to install the electrical line.



12/09/2021 - Open trench prior to any construction related activities, severed waterline shown in bottom left.



12/09/2021 - CVPS site conditions and re-installed silt/exclusion fencing.



12/09/2021 - CVPS site conditions.



12/09/2021 - CVPS and concrete pad MPE is currently installing.



12/09/2021 - MPE fixing broken water line outside of silt fence.



12/09/2021 - MPE beginning the construction of the overflow V ditch along the northern edge of the project.



12/09/2021 - MPE re-installed silt fencing on southern edge of project.



12/09/2021 - MPE completed waterline repair. MPE still needs to add soil to area to meet natural grade.

APPENDIX B

CPUC Inspection Logs

Monterey Peninsula Water Supply Project (MPWSP)

Daily Monitoring Log

Date: 12/09/2021**Time:** 09:00 – 10:15**Report Code:** MPWSP_20211209_sd**Project Site:** Carmel Valley Pump Station**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:

- Work conducted by Monterey Peninsula Engineering (MPE).
- Installation of forms around above ground piping for concrete pad installation.
- Trenching and installation of electrical components between pump station and PGE pole.
 - PGE pole located outside of exclusion fencing. Denise Duffy & Associates (DD&A) monitor providing full time monitoring during all work outside of exclusion fencing.
 - DD&A reported that an irrigation water line had been hit during this work. No water entered Carmel River. The water was promptly shut off and the line was repaired.
- MPE moving a section of silt fence along north border to make room for ditch excavation.
- Walked and discussed location of proposed ditch located west of exclusion fencing with MPE and DD&A.

General Summary of Mitigation Compliance and Site Conditions:

- DD&A compliance monitors on site and providing full time monitoring during work outside of exclusion areas.
- DD&A conducted preconstruction surveys for SS species prior to electrical work and has surveyed the site in the morning prior to construction activities.
- Silt exclusion fence in acceptable condition. A small section of fencing along the north border will be moved. A small section of fencing is down in the southwest portion of the site to allow equipment access to PGE pole.

- Spoils stock pile is covered with Visqueen and protected with amphibian-friendly straw wattle.
- Amphibian-friendly BMPs remain installed along access road at pipeline connection point.
- No hazardous materials storage issues observed.
- No special-status species observed on site.

Sharon Dulava
ESA Monitor

12/09/2021
Date



Photo 1. Pink line shows location of drainage ditch.



Photo 2. Electrical conduit installation at pump station.



Photo 3. Installation of electrical conduit at PGE pole.



Photo 4. Location of electrical conduit outside of fenced area.