

memorandum

date August 23, 2021

to John Forsythe, AICP

cc Cory Barringhaus (ESA), Eric Zigas (ESA)

from Sharon Dulava (ESA)

subject MPWSP – Carmel Valley Pump Station Project Weekly Report (8/16/2021 – 8/20/2021)

Construction Activities

Construction activities observed during the week of 8/16/2021 – 8/20/2021 included excavation adjacent to the pump station for suction manifold installation by Monterey Peninsula Engineering (MPE). An AECOM cultural resources monitor was onsite for excavation activities.

Compliance Activities

ESA and Denise Duffy & Associates (CalAm monitors) were on site for a compliance inspection on 8/17/2021. Exclusionary fencing was determined to be in acceptable condition to prevent special-status amphibians from entering the work area (**Mitigation Measure 4.6-1c** and **Mitigation Measure 4.6-1o**). Pipes stored in the work area that are not capped should be inspected for special-status species prior installation (**Mitigation Measure 4.6-1o**). The CalAm monitor onsite discussed the need to ramp the excavated areas around the pump station to ramped to prevent inadvertent entrapment of wildlife with the MPE foreman (**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

Per **Mitigation Measure 4.6-1p**, only certified, weed-free, plastic-free imported erosion control materials shall be used for the project. Monofilament-encased wattle that had been previously observed installed around stock piles has been removed.

The CalAm monitor on site during the 8/17/2021 site inspection documented trash on site and discussed the need for proper trash disposal (**Mitigation Measure 4.6-1c**) with the crew. The CalAm monitor also reported repairing minor silt exclusion fence repair.

The remains of excess bentonite clay from closure of an existing well is located within the project area and is separated from the Carmel River by silt fence. Regardless, this material should be removed prior to any rain events to ensure that it cannot spread to any aquatic features.

APPENDIX A

CalAm Weekly Report



DATE: August 23, 2021

TO: Cory Barringhaus, 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 August 16 through August 20, 2021.

Project/Component: Carmel Valley Pump Station	Work Location: Carmel Valley Road & Rancho San Carlos Road
Monitoring Period: 8/16/2021 – 8/20/2021	Project Completion Status: Ongoing
Construction Contractors/Personnel: Monterey Peninsula Engineering	Biological Lead: M. Johnson
Biological Monitor: P. Krabacher	Days on Site: 8/17/2021

Biological Surveys: N/A	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

8/17/2021

- Suction manifold installation including soil excavation.

Summary of Monitoring Activities

8/17/2021

- DD&A compliance monitor inspected the status of exclusionary fencing and proper trash disposal in accordance with Mitigation Measure 4.6-1c.

- DD&A compliance monitor discussed cultural monitoring with AECOM monitor.
- DD&A discussed installation of wildlife escape ramps if the pit that was excavated for the installation of the suction manifold was to be left overnight.
- DD&A compliance monitor conducted exclusion fence repair.
- DD&A documented trash on the project site and reminded project contractor to place all trash inside appropriate receptacles.
- Photographed project site conditions.
- Conducted weekly site inspection with CPUC representative.

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	DD&A discussed installation of wildlife escape ramps if the pit that was excavated for the installation of the suction manifold was to be left overnight.
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	
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?	N/A	
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



08/17/2021 - Suction manifold installation pit.



08/17/2021 - Site conditions.



08/17/2021 - Site conditions.



08/17/2021 - Bentonite has not been removed yet, DD&A reminded project contractor that this area needs to be cleaned prior to any precipitation events.

APPENDIX B

CPUC Inspection Logs

Monterey Peninsula Water Supply Project (MPWSP)

Daily Monitoring Log

Date: 8/17/2021**Time:** 12:30 – 13:20**Report Code:** MPWSP_20210817_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:**

- Construction activities include excavation adjacent to pump station for pipe installation.
- AECOM cultural monitor on site for excavation activities.

General Summary of Mitigation Compliance and Site Conditions:

- Some pipes in work area were capped as required by Mitigation Measure 4.6-1o. Uncapped pipes should be checked for wildlife prior to installation.
- No leaking equipment or hazardous materials storage issues observed.
- Trash/food waste properly disposed of.
- DDA compliance monitor discussed ramping excavated area at the end of the work day to prevent inadvertent entrapment of wildlife (Mitigation Measure 4.6-1c).
- Excess bentonite from well closure remains on site. This material is enclosed within silt fenced area but should be removed prior to any rain events.
- Monofilament wattle has been removed from stock piles.

Sharon Dulava

ESA Monitor8/17/2021

Date

Date & Time: Tue, Aug 17, 2021, 12:50:06 PDT
Position: +036.539451° / -121.871610° (±213.3ft)
Altitude: 72ft (±77.5ft)
Datum: WGS-84
Azimuth/Bearing: 012° N12E 0213mils True (±12°)
Elevation Angle: -01.8°
Horizon Angle: +01.3°
Zoom: 1.0X



Photo 1. Site conditions.

Date & Time: Tue, Aug 17, 2021, 12:44:07 PDT
Position: +036.539141° / -121.872202° (±13.1ft)
Altitude: 67ft (±10.4ft)
Datum: WGS-84
Azimuth/Bearing: 160° S20E 2844mils True (±12°)
Elevation Angle: +19.0°
Horizon Angle: +03.7°
Zoom: 1.0X



Photo 2. Trenches ramped to prevent wildlife entrapment.



Photo 3. Excess bentonite from well closure remains on site.