

memorandum

date April 26, 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 (4/19/2021 – 4/23/2021)

Construction Activities

No construction activities were observed during the week of 4/19/2021 – 4/23/2021.

Compliance Activities

ESA and Denise Duffy & Associates (CalAm monitors) were on site for compliance inspections on 4/22/2021. Exclusionary fencing was in acceptable condition around the majority of the site except for small tears along the north border of the site (**Mitigation Measure 4.6-1c** and **Mitigation Measure 4.6-1o** see Compliance Issues and Resolutions section, below), and BMPs were observed around the stock pile (**Mitigation Measure 4.6-1o**). Some pipes in the work area were observed capped (**Mitigation Measure 4.6-1o**), however, other pipes on the project site remain uncapped and should be inspected for the presence of special-status species prior to installation. Project activities have remained contained within approved areas. 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

The following minor compliance issues were originally noted by ESA and the CalAm monitor on 4/09/2021:

- Small sections of fence in along the north border of the site were damaged during weed removal activities targeting overgrowth of invasive hemlock (*Conium maculatum*). Repair of these sections of exclusion fence are required to prevent any special-status species from entering the site.
- ESA noted that straw wattle encased in monofilament netting is installed on the site. Per **Mitigation Measure 4.6-1p**, “Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) shall be used for the project.” ESA recommended that only amphibian-friendly wattles or other BMPs be used on the site.

APPENDIX A

CalAm Weekly Report



DATE: April 26, 2021

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
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 April 19 through April 23, 2021.

Project/Component: Carmel Valley Pump Station	Work Location: Carmel Valley Road & Rancho San Carlos Road
Monitoring Period: 4/19/2021 – 4/23/2021	Project Completion Status: Pump Station
Construction Contractors/Personnel: Monterey Peninsula Engineering	Biological Lead: M. Johnson
Biological Monitor: P. Krabacher	Days on Site: 4/22/21

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

This section is intended to provide a brief summary of daily construction progress.

4/22/2021

- No construction observed during the monitoring site visit.

Summary of Monitoring Activities

4/22/2021

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

- DD&A performed ongoing monitoring in accordance with Mitigation Measure 4.6-1a.
- Photographed project site conditions.
- Met with CPUC Representative for weekly site inspection.

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	Manual vegetation removal along exclusion fencing completed two weeks prior. Exclusion fence partially damaged and will require repair. DD&A discussed fencing repair and additional vegetation removal with Project Contractor. Project Contractor to schedule crew and coordinate with DD&A.
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	

Compliance Question	Compliance Level	Note
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		
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	Straw wattle installed around the spoils pile is not plastic-free. DD&A informed the Project Contractor to replace the existing wattle with plastic-free erosion control materials.

Photos



04/22/2021 - Staged pipeline.



04/22/2021 - Storage box.



04/22/2021 - Recommend vegetation removal on exclusion fence.



04/22/2021 - Typical site conditions.

APPENDIX B

CPUC Inspection Logs

Monterey Peninsula Water Supply Project (MPWSP)

Daily Monitoring Log

Date: 4/22/2021**Time:** 09:20 – 09:50**Report Code:** MPWSP_20210422_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:**

- No construction activity observed.

General Summary of Mitigation Compliance and Site Conditions:

- BMPs around stock pile in place (Mitigation Measure 4.6-1o).
- Some pipes in work area were capped as required by Mitigation Measure 4.6-1o. Newly delivered pipes are not capped and should be inspected by biologist prior to be installed.
- Invasive hemlock growing along silt fence at the north border has been mowed.
- No evidence of project activity outside of approved area.
- No leaking equipment or hazardous materials storage issues observed.
- The following compliance issues were noted by ESA, and originally observed on 4/9/2021:
 - Silt fence has minor damage from recent weed control activities. Tears along silt fence should be repaired to prevent special-status amphibians from entering the site.
 - Wattle around stockpile was plastic monofilament. ESA recommends amphibian friendly wattles be installed at this site due to close proximity to river.

Sharon Dulava
ESA Monitor4/22/2021
Date

Date & Time: Thu, Apr 22, 2021, 09:19:50 PDT
Position: +036.539910° / -121.872128° (±52.5ft)
Altitude: 61ft (±1 0.4ft)
Datum: WGS-84
Azimuth/Bearing: 360° N00W 6400mils True (±12°)
Elevation Angle: +02.0°
Horizon Angle: +00.0°
Zoom: 1.0X



Photo 1. Pump station and overall site conditions.

Date & Time: Thu, Apr 22, 2021, 09:30:53 PDT
Position: +036.539100° / -121.871926° (±13.1ft)
Altitude: 66ft (±9.8ft)
Datum: WGS-84
Azimuth/Bearing: 007° N07E 0124mils True (±12°)
Elevation Angle: -24.5°
Horizon Angle: -00.4°
Zoom: 1.0X



Photo 2. Capped Pipes.



Photo 3. Uncapped pipes should be inspected prior to moving.



Photo 4. Tear in silt exclusion fence due to weed control activities.



Photo 5. Hemlock growing along north border of site has been mowed.