

memorandum

date May 10, 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 (5/03/2021 – 5/07/2021)

Construction Activities

A crew was observed mowing vegetation at the Carmel Valley Pump Station site on 5/06/2021. No other construction activities were observed during the week of 5/03/2021 – 5/07/2021.

Compliance Activities

Denise Duffy & Associates (CalAm monitors) were on site for compliance inspections on 5/03/2021. ESA was onsite for a compliance inspection on 5/06/2021 during vegetation management activities. Exclusion fencing was damaged in multiple locations along the north and west borders of the site during removal of vegetation along the fence alignment using string mowers (**Mitigation Measure 4.6-1c** and **Mitigation Measure 4.6-1o**; see Compliance Issues and Resolutions section, below). Smaller pipes in the work area were observed capped (**Mitigation Measure 4.6-1o**). Larger pipes in the work area were not capped and should be inspected for special-status species prior installation. 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 Level 2 compliance issue was observed during the 5/06/2021 site visit by ESA. An Incident Report describing the following compliance issues was provided to CalAm monitors and is included in **Appendix C**.

- A three-person crew was observed on site mowing vegetation both inside and outside of approved work area, which is delineated by exclusion fencing. Per **Mitigation Measure 4.6-1c (1, 11)**, any construction related disturbance outside of approved work areas shall be prohibited without explicit approval of the Lead biologist, and a qualified biologist shall survey within the exclusion area to ensure that no special-status species are present prior to vegetation removal activities. CalAm monitors were not informed prior to initiation of this work and no surveys were performed.

- Exclusion fencing was damaged during weed removal activities. In addition, a portion of silt fence near the northeast border of the site was down due to ground squirrel activity. Other sections of silt fence, originally documented as damaged during the April 9, 2021 site inspection due to earlier weed management activities have yet to yet to be repaired. Per **Mitigation Measure 4.6-1c**, any needed repairs to the fence shall be performed on the day of their discovery.

The following minor compliance issue was originally noted by ESA and the CalAm monitor on 4/09/2021 and is ongoing:

- 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.” To prevent additional establishment and spread of invasive species on site, ESA also recommended that inactive stock piles be covered.

APPENDIX A

CalAm Weekly Report



DATE: May 10, 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 May 3 through May 7, 2021.

Project/Component: Carmel Valley Pump Station	Work Location: Carmel Valley Road & Rancho San Carlos Road
Monitoring Period: 5/3/2021 – 5/7/2021	Project Completion Status: Ongoing
Construction Contractors/Personnel: Monterey Peninsula Engineering	Biological Lead: M. Johnson
Biological Monitor: P. Krabacher	Days on Site: 5/3/21

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: Yes

Summary of Construction Activities

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

5/3/2021

- No construction observed during the monitoring site visit.

Summary of Monitoring Activities

5/3/2021

- 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.
- Inspected exclusion fence to determine sections in need of repair.

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. Exclusion fence partially damaged and will require repair. Fence repair and additional vegetation removal to be scheduled by Project Contractor. DD&A informed Project Contractor that bio monitors need to be onsite.
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	Project contractor has been informed.

Photos



05/03/2021 - Site conditions



05/03/2021 - Holes in exclusion silt fence

APPENDIX B

CPUC Inspection Logs

Monterey Peninsula Water Supply Project (MPWSP)

Daily Monitoring Log

Date: 5/06/2021

Time: 11:30 – 12:00

Report Code: MPWSP_20210506_sd

Project Site: Carmel Valley Pump Station

Compliance Level:

Acceptable <input type="checkbox"/>	Level 0: Unanticipated Event <input type="checkbox"/>	Level 1: Minor Incident <input checked="" type="checkbox"/>
	Level 2: Moderate Incident <input type="checkbox"/>	Level 3: Major Incident <input type="checkbox"/>

Compliance Advisory or Non-Compliance form attached	Yes <input type="checkbox"/>
	No <input checked="" type="checkbox"/>

Photo Documentation	Yes <input checked="" type="checkbox"/>
	No <input type="checkbox"/>

Type of Monitoring:

Full-time <input type="checkbox"/>	Spot-check <input checked="" type="checkbox"/>	SWPPP inspection <input type="checkbox"/>
Biological <input checked="" type="checkbox"/>	Re-inspection <input type="checkbox"/>	

Construction Activity(s) Being Monitored:

- Crew observed mowing the site.

General Summary of Mitigation Compliance and Site Conditions:

- BMPs around stock pile in place (Mitigation Measure 4.6-1o).
- Pipes in work area were capped as required by Mitigation Measure 4.6-1o.
- No leaking equipment or hazardous materials storage issues observed.
- No evidence of sensitive species.
- The following compliance issues were noted by ESA:
 - Crew observed on site mowing vegetation both inside and outside of approved work area. CalAm monitors were not on site to conduct preconstruction surveys. Mowing activities have resulted in additional damage to silt (exclusion) fence.
 - No action has been taken regarding the wattle with plastic monofilament installed around stockpiled sand within the project site. ESA recommended amphibian friendly wattles be installed at this site due to close proximity to river.
 - No action has been taken regarding the damaged fence from prior weed removal activities.

Sharon Dulava

ESA Monitor

5/06/2021

Date



Photo 1. Mechanical weeding activities inside and outside of exclusion fence. Exclusion fence has been damaged by weed removal activities.



Photo 2. Spoils pile uncovered during weed removal activities. Monofilament straw wattle used.

APPENDIX C

Incident Report



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esassoc.com

memorandum

date May 7, 2021

to Tyler Potter, Denise Duffy and Associates

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

from Sharon Dulava (ESA)

subject MPWSP – Carmel Valley Pump Station Project Incident Report

This Level 2 Incident Report was prepared to document conditions observed during the May 6, 2021 site visit conducted by ESA. ESA observed a contractor on site mowing vegetation. The following compliance issues were noted during the site visit:

- A three-person crew was observed on site mowing vegetation both inside and outside of approved work area, which is delineated by exclusion fencing (silt fence; see Photo 1). Per **Mitigation Measure 4.6-1c (1, 11)**, any construction related disturbance outside of approved work areas shall be prohibited without explicit approval of the Lead biologist, and a qualified biologist shall survey within the exclusion area to ensure that no special-status species are present prior to vegetation removal activities. DD&A was not informed prior to initiation of this work and no surveys were performed.
- Exclusion fencing was damaged during May 6, 2021 weed removal activities (see Photo 1). In addition, a portion of silt fence near the northeast border of the site was down due to ground squirrel activity. Other sections of silt fence, originally documented as damaged during the April 9, 2021 site inspection due to earlier weed management activities have yet to yet to be repaired. Per **Mitigation Measure 4.6-1c**, any needed repairs to the fence shall be performed on the day of their discovery.

In addition to the compliance issues described above, ESA originally noted the following ongoing minor compliance issue on April 9, 2021:

- Monofilament straw wattle is installed around a non-active stockpile on the site (see Photo 2). Per **Mitigation Measure 4.6-1p (2, 6)**, only plastic-free erosion control materials should be used on site, and non-active stockpile should be covered to prevent establishment of invasive species.

Recommended Resolutions

ESA recommends implementing the following resolutions to ensure the project remains in compliance with measures specified in the MMRP:

- Work shall remain within approved work boundary.
- A qualified biologist shall survey for special status species prior to any proposed vegetation removal or ground disturbing activities.
- Exclusion fence shall be maintained and any repairs shall be performed on the day of their discovery.
- Replacement of monofilament wattle with amphibian-friendly wattles or other BMPs be used on the site.
- Non-active stockpiles shall be covered with plastic or a comparable material to prevent establishment of invasive species.
- An environmental inspector shall inspect equipment during weed management activities to prevent spread of invasive weeds (see **Mitigation Measure 4.6-1p (4)**).

The full text of Mitigation Measures referenced in this Incident Report is provided, below.

- **Mitigation Measure 4.6-1c (1)**. The construction footprint, staging areas, equipment access routes, and disposal or temporary placement of spoils, shall be delineated with stakes and flagging prior to construction to avoid natural resources outside of the project area. Any construction-related disturbance outside of these boundaries, including driving, parking, temporary access, sampling or testing, or storage of materials, shall be prohibited without explicit approval of the Lead Biologist.
- **Mitigation Measure 4.6-1c (9)**. Prior to the start of construction at any proposed facility site where special-status amphibians, reptiles and mammals have a moderate or high potential to occur, the construction work area boundary shall be fenced with a temporary exclusion fence to prevent special-status wildlife from entering the site during construction (see EIR Table 4.6-6 for the list of special-status species that could be significantly impacted at each project facility site). The exclusion fencing shall be constructed of metal flashing, plastic sheeting, or other materials that will prohibit California horned lizards, Monterey shrews, and other special-status reptiles, amphibians, and rodents from climbing the fence. If meshing is used it shall be of a size that would not catch wildlife. The fencing shall be buried a minimum of 6 inches below grade to secure the fence and extend a minimum of 30 inches above grade. The fencing shall be inspected by the Lead Biologist or qualified biological monitor on a daily basis during construction activities to ensure fence integrity. Any needed repairs to the fence shall be performed on the day of their discovery. Fencing shall be installed and maintained during all phases of construction. Final fence design and location shall be determined in consultation with USFWS and CDFW. Exclusion fencing shall be removed once construction activities are complete.
- **Mitigation Measure 4.6-1c (11)**. Vegetation removal and grading activities shall be conducted during daylight hours. Immediately prior to conducting vegetation removal or grading activities inside fenced exclusion areas, the Lead Biologist or a qualified biologist shall survey within the exclusion area to ensure that no special-status species are present. The Lead Biologist or a qualified biologist shall also

monitor vegetation removal or grading activities inside fenced exclusion areas for the presence of special-status species. If special-status species are present, then measure 10 above shall be implemented.

- **Mitigation Measure 4.6-1p (2).** Avoid leaving exposed soil or construction materials in areas with the potential for invasive plants (e.g., in staging areas). Non-active stockpiles shall be covered with plastic or a comparable material.
- **Mitigation Measure 4.6-1p (4).** An environmental inspector, under direction of the Lead Biologist or appointed qualified biologist (see Mitigation Measure 4.6-1a) shall inspect vehicles and equipment prior to project initiation at applicable work areas (listed above) for weed seeds and plant fragments that could colonize within the site or be transported to other sites. At project initiation, all construction vehicles must be cleaned to remove soil and plant fragments at designated locations, and vehicles or equipment that are not clean shall be rejected until clear of weed seed and plant fragments. Wheel washing stations or other methods to remove and contain seeds or other plant fragments from vehicles, equipment, boots, and tools shall be established in designated areas.
- **Mitigation Measure 4.6-1p (6).** Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) shall be used for the project.



Photo 1. Mechanical weeding activities inside and outside of exclusion fence. Exclusion fence has been damaged by weed removal activities.



Photo 2. Spoils pile on site.