

memorandum

date November 8, 2019

to John Forsythe, AICP

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

from Sharon Dulava (ESA)

subject MPWSP - Transfer and Feed Water Pipelines Weekly Report (11/04/2019 – 11/08/2019)

Construction Activities

Construction activities included trench excavation, trench plate and shoring installation, water main pipe installation, backfilling (including addition of road base and temporary asphalt) near the intersection of General Jim Moore Blvd. and Lightfighter Drive in Seaside, CA. Excavation and pipe installation activities were conducted by Garney Construction. Some construction equipment was temporarily moved off site while decisions were being made on future project schedules. Final paving is expected to take place in the next several weeks.

Leftover spoils from trenching activities were off-hauled daily to the landfill. Materials were stored along Lightfighter Drive in area closed to traffic. 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

All sensitive plants and habitats were marked with pin flags prior to the start of project activities. CalAm monitors have been onsite daily and continue to conduct Worker Environmental Awareness Training (WEAT) as needed.

Leftover spoils were transported daily to the landfill. Storm drains were protected by filter fabric and gravel bags. Garney Construction has continued regular street sweeping.

Construction, including temporary fill and spoils piles, and materials staging were restricted to southbound lanes on General Jim Moore Blvd and eastbound lanes of Lightfighter Drive, including the temporary extra work area (TEWS #2) on right turn lane of Lightfighter Drive.

Compliance Issues and Resolutions

The following Level 1 (Minor) incidents occurred during the week of 11/04/2019-11/08/2019:

- ESA CPUC monitor noted that a few pieces of pipe were being stored in the median on Lightfighter Drive. Two pieces of pipe were in vegetation (shrubs). Rare plants were flagged and not disturbed. The ESA monitor discussed moving the pipe into the road with the CalAm monitor, and the issue was addressed the same day. The weekly CalAm report (Appendix A) noted that pipe was stored at this location on 11/4/2020, 11/5/2020, and 11/6/2020. The median was surveyed and cleared prior the contractor placing pipeline in the median. This survey was conducted outside of the bloom period.
- Earlier in the week, a Garney Construction equipment operator struck a gas line. PGE was notified immediately and the issue was resolved the same day with no impacts to resources.
- CalAm monitors reported that on 11/04/2019 an excavator was parked on a cleared, vegetated median during excavation activities at the intersection of General Jim Moore Boulevard and Lightfighter Drive due to the angle of the pipeline alignment.
- The weekly CalAm report (Appendix A) noted that hydraulic fluid was spilled on an isolated portion of General Jim Moore Boulevard, approximately 250 feet south of the Lightfighter Drive intersection. Sand was placed immediately to absorb the fluid and then disposed of per regulatory requirements.
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The following Level 2 (Moderate) Incident is outstanding, initially recorded by ESA CPUC monitors during the week of 9/16/2019-9/20/2019:

- During the week ending September 20, 2019, Garney Construction, with approval from the Fort Ord Reuse Authority, began depositing spoils generated during pipeline excavation on General Jim Moore Boulevard at an area west of Mescal Street between Kimble Avenue and Plumas Avenue. As this area had not been included in the project's environmental documentation, California American Water Company (CalAm) was required to submit a written request for a minor project change to the California Public Utilities Commission (CPUC) Project Manager for review and approval prior to using the area, as described in Section 4.6.1 of the project's Mitigation Monitoring, Compliance, and Reporting Plan (MMCRP). No written request for a minor project change was made prior to use of the site. The size of the deposition area was enlarged during the week of October 4, 2019. No documentation was submitted to CPUC regarding this expansion. A memorandum regarding the Mescal spoils deposition area was submitted to CalAm monitors on November 5, 2019. CalAm monitors provided a memorandum regarding preconstruction special status plant and animal flagging of the proposed FORA soil deposition site to ESA on October 23, 2019. ESA requested additional information for the site; additional documentation and information is forthcoming.

Photographs:



Photo 1. Trench excavation on Lightfighter Drive



Photo 2. Pin flags marking sensitive plants in Lightfighter Drive median



Photo 3. Pipes being staged in median on Lightfighter Drive



Photo 4. Straw wattle in place at Mescal spoils site

APPENDIX A

CalAm Weekly Report

Weekly Mitigation Monitoring Summary During Construction

Week Ending 11/8/2019

Weekly Progress of Construction	Installed approximately 175 LF of pipe from STA 131+75 to STA 133+50. Cal Am requested a shut down of work on 11/6 and 11/7. An unmarked storm drain pipe was in conflict with the Transfer Pipeline. The Transfer Pipeline was adjusted to cross over the existing storm drain.
Current Project Completion Status	The project is currently at 57% completion.
Summary of Non-Compliance Impacts	<p>The contractor stored pipe in the median of Lightfighter Road, directly before installation on 11/4, 11/5 and 11/7. The median was surveyed and cleared prior to the Contractor placing the pipeline in the median.</p> <p>Additionally, on 11/4, an excavator was parked on the cleared, vegetated median during excavation activities as the pipeline turned onto Lightfighter from General Jim Moore due to the angle of the pipeline alignment as it turned onto Lightfighter.</p>
Summary of New Sensitive Resources Identified	New sensitive resources were not identified.
Hazardous Materials Handling (any hazardous materials spills defined as reportable by Project mitigation measures and/or plans)	Hydraulic fluid was spilled on an isolated portion of General Jim Moore, approx. 250 feet south of the Lightfighter intersection. Sand was placed immediately to absorb the fluid and then disposed of per regulatory requirements.
Summary including locations of preconstruction or focused surveys conducted	Preconstruction protocol or focused surveys were not conducted.
Update of bird nesting activities and buffer distances	Nesting bird surveys were not required.
Summary of special status wildlife or plant relocations	Special-status wildlife or plant relocations were unnecessary.
Any SWPPP-related corrective actions or maintenance observations identified	SWPPP-related corrective actions or maintenance observations were not identified.

Summary of Requests for Minor Modification	Minor modifications were not requested.
Summary of WEAT Trainings Performed	No new trainings
Summary of Health and Safety Trainings Performed	No additional H&S Trainings performed for this weekly summary report. Daily tailgate H&S meetings documented. No incidents observed or reported.
Other noteworthy elements	No other noteworthy elements.
Attached Documents	1 – Daily Logs 11/8/2019

MPWSP Mitigation Monitoring Summary During Construction
 NTPR-1 Seaside Transmission Mains (non-Army roadways)

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 11/8/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)]	
MM 4.3-4	Operational [Brine] Discharge Monitoring, Analysis, Reporting, and Compliance	N/A			No brine discharge associated with actions authorized under NTPR-1.
MM 4.3-5	Implement Protocols to Avoid Exceeding Water Quality Objectives	N/A			No water-body discharges are associated with actions authorized under NTPR-1.
APM 4.4-3	Groundwater Monitoring and Avoidance of Well Damage	N/A			This MM applies to slant well installation only.
MM 4.6-1b	MM 4.6-1b - WEAT	On-going	All workers attend WEAT training and have sticker on hardhat?	Y	
MM 4.6-1c	General Avoidance and Minimization Measures:	On-going			
	CalAm's construction contractor(s) shall implement the following general avoidance and minimization measures to protect special-status species and sensitive natural communities at the facility sites during construction: 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.		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?	Y	
	2. New access driveways shall not extend beyond the delineated construction work area boundary. Construction vehicles shall pass and turn around only within the delineated construction work area boundary or local road network. Where new access is required outside of existing roads or the construction work area, the route shall be clearly marked (i.e., flagged and/or staked) prior to being used, subject to review and approval of the Lead Biologist.		4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?	Y	
	3. Vehicle speeds within the project area shall not exceed 15 miles per hour on roads within the sites.		4.6-1c. 3. Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?	Y	
	4. Excavated soils shall be stockpiled in disturbed areas lacking native vegetation. Stockpile areas shall be marked by the Lead Biologist to define the limits where stockpiling can occur.		4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?	Y	
	5. Standard best management practices (such as setbacks and use of silt fences and fiber rolls) shall be employed to prevent loss of habitat due to erosion caused by project related impacts (i.e., grading or clearing for new roads). All detected erosion shall be remedied immediately upon discovery.		4.6-1c. 5. Standard best management practices employed to prevent loss of habitat due to erosion caused by project related impacts?	Y	
	6. Fueling of construction equipment shall take place within existing paved areas, and at least 50 feet from drainages (including streams, creeks, ditches, culverts, or		4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?	Y	

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	storm drain inlets) and native habitats. Contractor equipment shall be checked for leaks prior to operation and repaired when leaks are detected. Fuel containers shall be stored within appropriately-sized secondary containment barriers.				
	7. The introduction of exotic plant species shall be avoided through physical or chemical removal and prevention. Measures to prevent the introduction of exotic plants into the construction site via vehicular sources shall include implementing Track clean or other method of vehicle cleaning for vehicles coming to the site and leaving the site. Earthmoving equipment shall be cleaned prior to transport to the project area. Weed-free rice straw or other certified weed-free straw shall be used for erosion control. Weed populations introduced into the site during construction shall be eliminated by chemical and/or mechanical means approved by California Department of Fish and Wildlife (CDFW) and the United States Fish and Wildlife Service (USFWS).		4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?	Y	
	8. Use of herbicides as vegetation control measures shall be used only when mechanical means have been deemed ineffective. All uses of such herbicidal compounds shall observe label and other restrictions mandated by the U.S. Environmental Protection Agency, California Department of Food and Agriculture, and state and federal legislation as well as additional project-related restrictions deemed necessary by the CDFW and/or USFWS. No rodenticides shall be used.		4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?	N/A	
	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 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.		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	
	10. If special-status wildlife species are found on the site immediately prior to construction or during project construction, construction activities shall cease 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. Additional mitigation measures specific to special-status plants; Smith's blue butterfly; black		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	No special-status wildlife species present in paved construction limits.

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Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 11/8/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)]	
	legless lizard, silvery legless lizard, and coast horned lizard; western burrowing; American badger; Monterey dusky-footed woodrat, California red-legged frog and California tiger salamander are described in Mitigation Measure 4.6-1f, 4.6-1g, 4.6-1h, 4.6-1j 4.6-1k, and 4.6-1o. The Lead Biologist and Lead Agencies shall consult with wildlife resource agency(ies) with jurisdiction over the species regarding any additional avoidance, minimization, or mitigation measures that may be necessary if the animal does not move on its own. A report shall be prepared by the Lead Biologist to document the activities of the animal within the site; all fence construction, modification, and repair efforts; and movements of the animal once again outside the exclusion fence. This report shall be submitted to the CPUC and pertinent wildlife agencies with jurisdiction over the wildlife species.				
	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.		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	
	12. To prevent the inadvertent entrapment of special-status wildlife during construction, all excavated, steep-walled holes or trenches more than 2 feet deep shall be covered with plywood or similar materials at the close of each working day, or escape ramps constructed of earth fill or wooden planks shall be positioned within the excavations to allow special-status wildlife to escape on their own. Before such holes or trenches are filled, they shall be thoroughly inspected for trapped animals. If trapped animals are observed, escape ramps or structures shall be installed immediately to allow escape. If listed species are trapped, they shall only be relocated with authorization from USFWS and/or CDFW, as appropriate.		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?	Y	
	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 shall be 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 shall not be moved until the appropriate resource agency, with jurisdiction over that species, has been consulted to determine the appropriate method for relocation. 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.		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?	Y	
	14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, shall be temporarily or permanently capped at the time they are installed to avoid the entrapment and death of special-status birds.		4.6-1c. 14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, were temporarily or permanently	Y	

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			capped at the time they are installed to avoid the entrapment and death of special status birds?		
	15. Water used for dust abatement shall be minimized in an effort to avoid the formation of puddles that could attract common ravens and other predators to the construction work areas.		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?	Y	
	16. No vehicle or equipment parked in the project area shall be moved prior to inspecting the ground beneath the vehicle or equipment for the presence of wildlife. If present, the animal shall be left to move on its own.		4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	Y	
	17. All vehicles and equipment shall be in proper working condition to ensure that there is no potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials. The Lead Biologist shall be informed of any hazardous spills within 24 hours of the incident. Hazardous spills shall be immediately cleaned up and the contaminated soil shall be properly disposed of at a licensed facility.		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	Hydraulic fluid was spilled on 11/5/19 on an isolated portion of General Jim Moore, approx. 250 feet South of the Lightfighter Intersection. Sand was placed immediately to absorb the hydraulic fluid.
	18. A trash abatement program shall be implemented during construction. Trash and food items shall be 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.		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?	Y	
	19. Workers shall be prohibited from feeding wildlife and bringing pets and firearms to the construction work areas.		4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	Y	
	20. Intentional killing or collection of wildlife species, including special-status species in the project area and surrounding areas shall be strictly prohibited.		4.6-1c. 20. Workers did not intentionally kill or collect wildlife species, including special-status species in the project area and surrounding areas?	Y	
	21. All temporarily disturbed areas shall be returned to pre-project conditions or better. Existing access roads within the CEMEX site shall be returned to their existing use. This measure also applies to periodic maintenance of the subsurface slant wells.		4.6-1c. 21. All temporarily disturbed areas were returned to pre-project conditions or better?	N/A	
MM 4.6-1d	Protective Measures for Western Snowy Plover	N/A			This species habitat does not occur within the approved NTP-1 construction limits.
MM 4.6-1e	Avoidance and Minimization Measures for Special-status Plants	On-going			
	Prior to construction, CalAm or its contractor shall conduct focused botanical survey(s) for special-status plants in all potentially suitable habitat during the appropriate blooming period for each species and in accordance with the guidelines established by California Department of Fish and Game in Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural		4.6-1e. 1. Pre-construction botanical survey(s) for special-status plants were performed in all potentially suitable habitat during the appropriate blooming period for each species?	Y	

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	Communities (CDFG, 2009). Maps depicting the results of these surveys shall be prepared for use in final design.				
	1. To the extent feasible, project facilities shall be sited to avoid permanent and temporary impacts on special-status plants and their required constituent habitat elements.		4.6-1e. 2. To the extent feasible, project facilities were sited to avoid permanent and temporary impacts on special-status plants and their required constituent habitat elements?	Y	
	2. Special-status plants located within temporary construction areas shall be fenced or flagged for avoidance (if feasible) prior to construction. The Lead Biologist or the appointed biological monitor shall ensure compliance with off-limits areas. If avoidance is not feasible, seasonal avoidance measures (i.e., limited operating periods based on timing of annual plant dormancy), or temporarily placing heavy fabric or wooden mats over the affected habitat shall be applied as appropriate. Topsoil salvage and site restoration may also be implemented, to be determined by the Lead Biologist and USFWS and CDFW, as appropriate, to ensure the site is returned to pre-construction conditions.		4.6-1e. 3. Special-status plants located within temporary construction areas were fenced or flagged for avoidance (if feasible) prior to construction?	Y	
	3. For potential impacts on listed plant species, such as Menzies' wallflower, sand gilia, Monterey spineflower, and Yadon's rein orchid, CalAm shall comply with the FESA CESA by implementing any requirements from USFWS and CDFW consultation. For state listed rare plants, a state Incidental Take Permit (ITP) may be required which would provide conditions for allowable take and measures to compensate impacts on rare plants.		4.6-1e. 4. For potential impacts on listed plant species, such as Menzies' wallflower, sand gilia, Monterey spineflower, and Yadon's rein orchid, FESA and CESA was complied by implementing requirements from USFWS and CDFW consultation?	Y	
	4. For HMP plant species on former Fort Ord lands, plants shall be salvaged, under the direction of a qualified biologist, as necessary, per the requirements of the HMP, and in accordance with any requirements from USFWS and CDFW.		4.6-1e. 5. For HMP plant species on former Fort Ord lands, were plants salvaged, under the direction of a qualified biologist, as necessary, per the requirements of the HMP, and in accordance with any requirements from USFWS and CDFW?	N/A	No plant salvaging actions required.
MM 4.6-1f	Avoidance and Minimization Measure for Smith's Blue Butterfly	N/A			See preconstruction survey memo for plant and wildlife species attached to the final 9/20/19 weekly summary report. None observed within the work area.
MM 4.6-1g	Avoidance and Minimization Measures for Black Legless Lizard, Silvery Legless Lizard, and Coast Horned Lizard	N/A			See preconstruction survey memo for plant and wildlife species attached to the final 9/20/19 weekly summary report. None observed within the work area.
	The Lead Biologist shall appoint a qualified biologist possessing a Scientific Collecting Permit issued by CDFW for black legless lizard, silvery legless lizard, and coast horned lizard to conduct preconstruction surveys for legless lizards and coast horned lizards within 24 hours prior to the initiation of ground disturbing activities or vegetation clearing in suitable habitats such as central dune scrub, coast sage scrub, and central maritime chaparral.		4.6-1g. 1. Qualified biologist(s) possessing a Scientific Collecting Permit issued by CDFW for black legless lizard, silvery legless lizard, and coast horned lizard conducted pre-construction surveys for legless lizards and coast horned lizards within 24 hours prior to the initiation of ground disturbing activities or vegetation clearing in suitable habitats such as central dune scrub, coast sage scrub, and central maritime chaparral?	Y	See preconstruction survey memo for plant and wildlife species attached to the final 9/20/19 weekly summary report. None observed within the work area.

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	1. Prior to conducting the surveys, the qualified biologist shall prepare a relocation plan that describes the appropriate survey and handling methods for the lizards, and identifies nearby relocation sites where the lizards would be relocated if found during the preconstruction surveys. Surveys shall be conducted at relocation sites to determine the existing lizard population size and ensure that the relocation sites will not become overpopulated. Only relocation sites that are not overpopulated and have suitable habitat conditions (e.g., soils, moisture content, vegetation, aspect) shall be used. The relocation plan shall be submitted to CDFW for approval prior to the start of construction activities.		4.6-1g. 2. Clearance surveys were performed prior to work activities, special-status lizards absent and impacts avoided?	N/A	Soil deposition activities have been discontinued. All construction work for this reporting period is within paved areas and therefore no suitable habitat within the work area.
	2. Legless lizard surveys shall be conducted by hand raking soil and leaf litter beneath brush. If Legless lizards are encountered, they shall be salvaged and relocated per the relocation plan. 3. Coast horned lizard surveys shall be conducted by walking transects spaced appropriately to allow for 100 percent visual coverage in search of lizards under shrubs, along gravelly-sandy areas, or any other suitable habitat.		4.6-1g. 3. If special-status lizards were observed, was date, time, species, location, and behavior noted?	N/A	None observed.
	Any lizard encountered shall be relocated per the relocation plan.		4.6-1g. 4. If relocation was necessary, were the guidelines in the relocation plan followed?	N/A	No relocation required.
MM 4.6-1h	Avoidance and Minimization Measures for Western Burrowing Owl	N/A			Conducted, as needed, adjacent to pipeline alignment and within proposed soil deposition areas
	The following measures shall be implemented to avoid and minimize impact on western burrowing owl: 1. Prior to the start of construction activities in or around suitable burrowing owl habitat, the Lead Biologist shall appoint a qualified biologist to conduct protocol surveys for burrowing owl. The survey methodology shall be consistent with the methods outlined in the Staff Report on Burrowing Owl Mitigation (CDFG, 2012). The surveys shall consist of walking parallel transects spaced 7 to 20 meters (23 to 65 feet) apart, adjusting for vegetation height and density as needed, and noting any potential burrows with fresh burrowing owl sign or presence of burrowing owls. A copy of the protocol survey results shall be submitted to the CPUC and CDFW upon request. Protocol surveys shall be conducted within both the breeding and non-breeding seasons to determine the presence/absence of burrowing owls. 2. A qualified biologist shall conduct preconstruction surveys of the permanent and temporary impact areas in or around suitable burrowing owl habitat to locate active breeding or wintering burrowing owl burrows less than 14 days prior to construction and/or prior to exclusion fencing installation. The methodology for the preconstruction surveys shall be consistent with the methods outlined in the Staff Report on Burrowing Owl Mitigation.		4.6-1h. 1. Qualified biologist conducted pre-construction surveys of the permanent and temporary impact areas in or around suitable burrowing owl habitat to locate active breeding or wintering burrowing owl burrows less than 14 days prior to construction and/or prior to exclusion fencing installation?	Y	

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	4. In areas positive for burrowing owl presence, the Lead Biologist or qualified biological monitor shall be onsite during all construction activities in areas where burrowing owls are determined to be present.		4.6-1h. 2. In areas positive for burrowing owl presence, a qualified biological monitor was onsite during all construction activities in areas where burrowing owls were determined to be present?	N/A	No areas within the approved project limits or its added soil deposition and paved staging sites were positive for burrowing owl.
	5. If burrowing owls are detected during the nesting and fledging seasons (April 1 to August 15 and August 16 to October 15, respectively), no ground-disturbing activities shall be permitted within the distances specified in Table 4.6-8 from an active burrow, unless otherwise authorized by CDFW. The specified buffer distance ranges from 656 feet to 1,640 feet, according to the time of year and the level of disturbance. Buffers shall be established in accordance with Table 4.6-8 and occupied burrows shall not be disturbed during the nesting season unless a qualified biologist approved by CDFW verifies through noninvasive methods that either: (1) the birds have not begun egg-laying and incubation; or (2) juveniles from the occupied burrows are foraging independently and are capable of independent survival. Burrowing owls shall not be moved or excluded from burrows during the breeding season (April 1 to October 15). The buffer distance can be reduced with authorization from CDFW if construction activities would not cause an adult to abandon an active nest or young or change an adult's behavior so it could not care for an active nest or young.		4.6-1h. 3. If burrowing owls are detected during the nesting and fledging seasons (April 1 to August 15 and August 16 to October 15, respectively), no ground-disturbing activities were permitted within the specified distances from an active burrow, unless otherwise authorized by CDFW?	N/A	None observed.
	6. During the non-breeding (winter) season (October 16 to March 31), consistent with Table 4.6-8, ground-disturbing work shall maintain a distance ranging from 164 to 1,640 feet from any active burrows, depending on the level of disturbance, to be determined through coordination with CDFW. The buffer distance can be reduced with authorization from CDFW if construction activities would not cause the owl to abandon its winter burrow. If active winter burrows are found that would be directly affected by ground-disturbing activities, owls can be displaced from winter burrows according to recommendations made in the Staff Report on Burrowing Owl Mitigation.		4.6-1h. 4. During the non-breeding (winter) season (October 16 to March 31), ground-disturbing work maintained a distance ranging from 164 to 1,640 feet from any active burrows, depending on the level of disturbance, to be determined through coordination with CDFW?	N/A	No active burrows are present.
	7. Burrowing owls shall not be excluded from burrows unless or until a Burrowing Owl Exclusion Plan is developed by the Lead Biologist, approved by CDFW, and submitted to the CPUC. At a minimum, the plan shall include the following: a. Confirmation by site surveillance that the burrow(s) is empty of burrowing owls and other species preceding the use of a scope to visually inspect the burrow; b. Specifications regarding the type of scope to be used and the appropriate timing of using a scope to visually inspect burrows to avoid disturbance of individual owls; c. Occupancy factors to look for and what shall guide determination of vacancy and excavation timing; d. Methods for burrow excavation. Excavation using hand tools with refilling to prevent reoccupation is preferable; e. Removal of other potential owl burrow surrogates or refugia onsite; f. Photographing the excavation and closure of the burrow to demonstrate success and sufficiency; g. Monitoring of the site to evaluate success and, if needed, to implement remedial		4.6-1h. 5. Clearance surveys were performed prior to work activities each day, burrowing owls absent and impacts avoided?	N/A	Soil deposition activities have been discontinued. All construction work for this reporting period is within paved areas and therefore no suitable habitat within the work area.

MPWSP Mitigation Monitoring Summary During Construction
 NTPR-1 Seaside Transmission Mains (non-Army roadways)

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 11/8/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)]	
	measures to prevent subsequent owl use and to avoid take; h. Methods to ensure the impacted site shall continually be made inhospitable to burrowing owls and fossorial mammals (e.g., by allowing vegetation to grow tall, heavy disking, or immediate and continuous grading) until development is complete.				
	8. Site monitoring shall be conducted prior to, during, and after exclusion of burrowing owls from their burrows sufficient to ensure take is avoided. Prior to exclusion activities, daily monitoring shall be conducted for one week to confirm young owls have fledged if the exclusion occurs immediately after the end of the breeding season.		4.6-1h. 6. If burrowing owls were observed, was date, time, species, location, and behavior noted?	N/A	None observed
	9. If burrowing owls are found on-site, compensatory mitigation for loss of breeding and/or wintering habitat shall be implemented onsite or offsite in accordance with burrowing owl Staff Report on Burrowing Owl Mitigation guidance and in consultation with CDFW. If compensatory mitigation is necessary, CalAm shall detail the compensatory mitigation in a Burrowing Owl Habitat Mitigation Plan (which shall be incorporated into the Habitat Mitigation and Monitoring Plan described in Mitigation Measure 4.6-1n). At a minimum, the following measures shall be implemented: a. Temporarily disturbed habitat shall be restored to pre-construction conditions, including soil decompaction and revegetation. b. Permanent impacts on nesting, occupied and satellite burrows, and any other burrowing owl habitat shall be mitigated such that the habitat acreage, number of burrows, and number of burrowing owls impacted are replaced. Compensatory mitigation may include the permanent conservation of lands with similar vegetation communities (grassland, scrublands, desert, urban, and agriculture) as those lands where the permanent loss of habitat would occur. Conservation lands shall provide habitat for burrowing owl nesting, foraging, wintering, and/or dispersal (i.e., during breeding and nonbreeding seasons) comparable to or better than that of the impact area, and with sufficiently large acreage, and presence of fossorial mammals. Alternatively, compensatory credits may be purchased through an approved mitigation bank, or approved Habitat Conservation Plan.		4.6-1h. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	N/A	No relocation required.
MM 4.6-1i	Avoidance and Minimization Measures for Nesting Birds	N/A			Construction is outside nesting bird season. No surveys necessary.
	2. For all construction activities scheduled to occur during the nesting season (February 1 to September 15), the qualified biologist shall conduct a preconstruction avian nesting survey no more than 10 days prior to the start of staging, site clearing, and/or ground disturbance. Copies of the survey results shall be submitted to the CPUC.		4.6-1i. 1. 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?	N/A	Construction is outside nesting bird season. No surveys necessary.
	5. The surveying biologist shall be capable of determining the species and nesting stage without causing intrusive disturbance. The surveys shall cover all potential		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	Construction is outside nesting bird season. No surveys necessary.

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NTPR-1 Seaside Transmission Mains (non-Army roadways)

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 11/8/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)]	
	nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds.				
	4. If there is a break of 10 days or more in construction activities during the breeding season, a new nesting bird survey shall be conducted before reinitiating construction.		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	Construction is outside nesting bird season. No surveys necessary.
	If active nests are found in the project area or vicinity (500 feet for raptors and 300 feet for other birds), the nests shall be continuously surveyed for the first 24 hours prior to any construction related activities to establish a behavioral baseline and, once work commences, all nests shall be continuously monitored to detect any behavioral changes as a result of the project, if feasible. If behavioral changes are observed, work causing the change shall cease and CDFW shall be consulted for additional avoidance and minimization measures. The avoidance and minimization measures shall ensure that the construction activities do not cause the adult to abandon an active nest or young or change an adult's behavior so it could not care for an active nest or young.		4.6-1i. 4. Clearance surveys were performed prior to work activities, nesting birds absent and impacts avoided?	N/A	Construction is outside nesting bird season. No surveys necessary.
	If continuous monitoring is not feasible, a no-disturbance buffer (at least 500 feet for raptors and 250 feet for other birds [or as otherwise determined in consultation with CDFW and USFWS] shall be created around the active nests). The buffer distance can be reduced with authorization from CDFW if construction activities would not cause an adult to abandon an active nest or young or change an adult's behavior so it could not care for an active nest or young. If the nest(s) are found in an area where ground disturbance is scheduled to occur, the project operator shall require that ground disturbance be delayed until after the birds have fledged.		4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	N/A	Construction is outside nesting bird season. No surveys necessary.
MM 4.6-1j	Avoidance and Minimization Measures for American Badger.	On-going			Previously conducted within proposed soil deposition areas. See Pre-Construction Survey Memorandum submitted with 9.20.2019 weekly report. Species not observed.
	1. A qualified biologist shall conduct preconstruction surveys for American badger dens prior to the start of construction at potentially affected sites. The survey results shall be submitted to the CPUC. 2. Areas of suitable habitat for American badger in the project area include fallow agricultural and grazing land and non-native grasslands. Surveys shall be conducted wherever these vegetation communities exist within 100 feet of the project area boundary. Along pipeline alignments surveys shall be phased to occur within 14 days prior to disturbance along that portion of the alignment. Game cameras shall be used to record any movements at potentially active dens for no less than three (3) nights.		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?	Y	
	3. Areas of suitable habitat for American badger in the project area include fallow agricultural and grazing land and non-native grasslands. Surveys shall be conducted wherever these vegetation communities exist within 100 feet of the project area		4.6-1j. 2. Along pipeline alignments, surveys were phased to occur within 14 days prior to disturbance along that portion of the alignment?	Y	

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NTPR-1 Seaside Transmission Mains (non-Army roadways)

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 11/8/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)]	
	boundary. Along pipeline alignments surveys shall be phased to occur within 14 days prior to disturbance along that portion of the alignment.				
	4. If no potential American badger dens are found during the preconstruction surveys, no further action is required 5. If the biologist determines that any potential dens identified during the preconstruction surveys are inactive, the biologist shall excavate the dens by hand with a shovel to prevent use by badgers during construction.		4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?	N/A	Soil deposition activities have been discontinued. All construction work for this reporting period is within paved areas and therefore no suitable habitat within the work area.
	6. If active badger dens are found during the course of preconstruction surveys, the following measures shall be taken to avoid and minimize adverse effects on American badger: a. Relocation shall be prohibited during the badger pupping season (typically February 15 to June 1). b. Construction activities shall not occur within 50 feet of active badger dens observed outside of the project area. c. The Lead Biologist shall contact CDFW immediately if natal badger dens are detected. Construction activities shall not occur within 200 feet of an active natal badger den. This buffer may be reduced, if approved by CDFW, and if construction would not alter the behavior of the adult or young in a way that would cause injury or death to those individuals. If the biologist determines that potential dens within the project area, and outside the breeding season, may be active, the biologist shall notify the CDFW. Badgers shall be passively relocated from active dens during the nonbreeding season. Passive relocation may include incrementally blocking the den entrance with soil, sticks, and debris for three to five days to discourage use of these dens prior to project disturbance. After the qualified biologist determines that badgers have abandoned any active dens found within the project area, the dens shall be hand-excavated with a shovel to prevent re-use during construction.		4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?	N/A	None observed
			4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?	N/A	No relocation required.
MM 4.6-1k	Avoidance and Minimization Measures for Monterey Dusky-Footed Woodrat	N/A			While outside typical suitable habitat, initial survey conducted at project initiation only. See Pre-Construction Survey memo attached with the 9.20.2019 weekly report.
	1. A qualified wildlife biologist shall conduct preconstruction surveys for Monterey dusky-footed woodrat. The surveys shall be conducted within 14 days prior to the start of construction in suitable habitat and shall identify any woodrat nests located within 50 feet of anticipated construction disturbance areas.		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?	Y	See Pre-Construction Survey Memorandum submitted with 9.20.2019 weekly report. Species not observed
	2. If woodrat nests are found during the preconstruction surveys, the wildlife biologist shall conduct additional surveys throughout the duration of construction		4.6-1k. 2. If woodrat nests were found during the preconstruction surveys, the biologist conducted additional surveys throughout the	N/A	None observed.

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 NTPR-1 Seaside Transmission Mains (non-Army roadways)

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 11/8/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)]	
	activities at the potentially affected facility site to identify any newly constructed woodrat nests.		duration of construction activities at the potentially affected facility site to identify any newly constructed woodrat nests?		
	3. If nests are observed outside of the construction area, the qualified biologist shall demarcate a minimum 50-foot buffer area with orange construction fencing and require that all construction activities and disturbance remain outside of the fencing.		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	None observed.
	4. Active woodrat nests located within the anticipated construction disturbance areas shall be relocated. Nests shall be relocated outside of the peak breeding season, (peak breeding season is typically February through November) to minimize disturbance to young woodrats. Relocation of woodrats and/or their nests shall be conducted by the Lead Biologist or qualified wildlife biologist as follows:		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?	N/A	None observed.
	a. Clear understory vegetation from around the nest using hand tools. b. After all vegetative cover has been cleared around the nest, the biologist shall gently disturb the nest to encourage the woodrat(s) to abandon the nest and seek cover in adjacent habitat. c. Once the woodrats have left the nest, the biologist shall carefully relocate the nest sticks to suitable habitat outside of the construction disturbance area, piling the sticks at the base of trees or large shrubs if available. If multiple nests are relocated, the stick piles shall be placed at least 25 feet from one another. d. The Lead Biologist shall ensure potential health hazards to the biologists moving nests are addressed to minimize the risk of contracting diseases associated with woodrats and woodrat nests. These include hantavirus, Lyme disease, and plague. The biologists that relocate nests shall take the following precautionary safety measures: i. Wear a Cal/OSHA-certified facial respirator to reduce inhalation of potential disease causing organisms. ii. Wear a white Tyvec protective suit to provide a barrier for ticks and fleas and facilitate their detection and removal and use gloves. e. If young are encountered during dismantling of the nest, nest material shall be replaced and a 50-foot no-disturbance buffer shall be established around the active nest. The buffer shall remain in place until young have matured enough to disperse on their own accord and the nest is no longer active. Nesting substrate shall then be collected and relocated to suitable oak woodland habitat outside of the project area		4.6-1k. 5. Clearance survey performed prior to work activities, woodrat absent and impacts avoided?	N/A	Soil deposition activities have been discontinued. All construction work for this reporting period is within paved areas and therefore no suitable habitat within the work area.
			4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	N/A	None observed.
			4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	N/A	None observed.

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 NTPR-1 Seaside Transmission Mains (non-Army roadways)

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 11/8/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)]	
MM 4.6-1l	Avoidance and Minimization Measures for Special-Status Bats	N/A			The paved project area does not contain suitable habitat such as bat roosts, specifically due to lack of project effects to trees or overhead structures.
	A qualified biologist who is experienced with bat surveying techniques (including auditory sampling methods), behavior, roosting habitat, and identification of local bat species shall be consulted prior to initiation of construction activities to conduct a preconstruction habitat assessment to characterize potential bat habitat and identify active roost sites. The preconstruction habitat assessment shall be conducted within 100 feet of construction activities.		4.6-1l. 1. Qualified biologist experienced with bat surveying, behavior, roosting habitat, and identification conducted a preconstruction habitat assessment to characterize potential bat habitat and identify active roost sites within 100 feet of construction activities?	Y	See pre-construction survey memo for attached with the 9/20/19 weekly summary report. None observed.
	Should potential roosting habitat or potentially active bat roosts be identified during the habitat assessment in trees and/or structures to be disturbed under the project, the following measures shall be implemented: 1. Removal or disturbance of trees or structures identified as potential bat roosting habitat or active roosts shall occur when bats are active, approximately between the periods of March 1 to April 15 and August 15 to October 15, to the extent feasible. These dates avoid bat maternity roosting season (approximately April 15 – August 31) and periods of winter torpor (approximately October 15 – February 28).		4.6-1l. 2. Removal or disturbance of trees or structures identified as potential bat roosting habitat or active roosts occurred when bats were active, approximately between the periods of March 1 to April 15 and August 15 to October 15, to the extent feasible?	N/A	No removal or disturbance of trees performed.
	2. If removal or disturbance of trees and structures identified as potential bat roosting habitat or active roosts during the periods when bats are active is not feasible, a qualified biologist will conduct pre-construction surveys within 14 days prior to disturbance to further evaluate bat activity within the potential habitat or roost site. a. If active bat roosts are not identified in potential habitat during preconstruction surveys, no further action is required prior to removal of- or disturbance to trees and structures within the preconstruction survey area. b. If active bat roosts or evidence of roosting is identified during pre-construction surveys, the qualified biologist shall determine, if possible, the type of roost and species. i. If special-status bat species or maternity or hibernation roosts are detected during these surveys, appropriate species- and roost-specific avoidance and protection measures shall be developed by the qualified biologist in coordination with CDFW. Such measures may include postponing the removal of structures or trees or establishing exclusionary work buffers while the roost is active. A minimum 100-foot no disturbance buffer shall be established around special-status species, maternity, or hibernation roosts until the qualified biologist determines they are no longer active. The size of the no-disturbance buffer may be adjusted by the qualified biologist, in coordination with CDFW, depending on the species present, roost type, existing screening around the roost site (such as dense vegetation or a building), as well as the type of construction activity that would occur around the roost site, and if construction would not alter the behavior of the adult or young in a way that would cause injury or death to those individuals. Under no circumstances shall active maternity roosts be disturbed until the roost		4.6-1l. 3. If removal or disturbance of trees and structures identified as potential bat roosting habitat or active roosts during the periods when bats are active is not feasible, a qualified biologist conducted pre-construction surveys within 14 days prior to disturbance to further evaluate bat activity within the potential habitat or roost site?	N/A	No removal or disturbance of trees performed.

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	disbands at the completion of the maternity roosting season or otherwise becomes inactive, as determined by the qualified biologist. ii. If a non-maternity or hibernation roost (e.g., bachelor daytime roost) is identified, disturbance to- or removal of trees or structures may occur under the supervision of a qualified biologist as described under 3).				
	3. The qualified biologist shall be present during tree and structure disturbance or removal if active non-maternity or hibernation bat roosts or potential roosting habitat are present. Trees and structures with active non-maternity or hibernation roosts or potential habitat shall be disturbed or removed only under clear weather conditions when precipitation is not forecast for three days and when nighttime temperatures are at least 50°F, and when wind speeds are less than 15 mph a. Trimming or removal of trees with active (non-maternity or hibernation) or potentially active roost sites shall follow a two-step removal process: i. On the first day of tree removal and under supervision of the qualified biologist, branches and limbs not containing cavities or fissures in which bats could roost, shall be cut only using hand tools (e.g., chainsaws). ii. On the following day and under the supervision of the qualified biologist, the remainder of the tree may be removed, either using hand tools or other equipment (e.g. excavator or backhoe). iii. All felled trees shall remain on the ground for at least 24 hours prior to chipping, off-site removal, or other processing to allow any bats to escape, or be inspected once felled by the qualified biologist to ensure no bats remain within the tree and/or branches. b. Disturbance to or removal of structures containing or suspected to contain active bat (non-maternity or hibernation) or potentially active bat roosts shall be done in the evening and after bats have emerged from the roost to forage. Structures shall be partially dismantled to significantly change the roost conditions, causing bats to abandon and not return to the roost. Removal will be completed the subsequent day.		4.6-1l. 4. Qualified biologist was present during tree and structure disturbance or removal if active non-maternity or hibernation bat roosts or potential roosting habitat are present?	N/A	No removal or disturbance of trees performed.
	4. Bat roosts that begin during construction are presumed to be unaffected as long as a similar type of construction continues, and no buffer would be necessary. Direct impacts on bat roosts or take of individual bats will be avoided		4.6-1l. 5. If special-status bat species were observed, was date, time, species, location, and behavior noted?	N/A	None observed
MM 4.6-1m	Avoidance and Minimization Measures for Native Stand of Monterey Pine	N/A			No native stands observed in project area.
MM 4.6-1n	Habitat Mitigation and Monitoring Plan	N/A			No HMMP required for actions under the approved NTPR-1.
MM 4.6-1o	Avoidance and Minimization Measures for California Red-Legged Frog and California Tiger Salamander	N/A			No habitat for these species is present within the work area approved under NTPR-1.
	2. Preconstruction surveys shall be conducted within 5 days prior to, and immediately prior to, vegetation removal, grading, or installation of exclusion fence		4.6-1o. 1. Preconstruction surveys were conducted within 5 days prior to, and immediately prior to, vegetation removal, grading, or installation of	Y	See pre-construction survey memo for attached with the 9/20/19 weekly summary report. None observed

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	to identify any California red-legged frog, California tiger salamander, and any small mammal burrows.		exclusion fence to identify any California red-legged frog, California tiger salamander, and any small mammal burrows?		
	3. Small mammal burrows identified during preconstruction surveys shall be surveyed (through hand-excavation, scoping, or other suitable methods to be determined in consultation with USFWS and CDFW) to identify any California red-legged frog or California tiger salamander.		4.6-1o. 2. Small mammal burrows identified during preconstruction surveys were surveyed (through hand-excavation, scoping, or other suitable methods to be determined in consultation with USFWS and CDFW) to identify any California red-legged frog or California tiger salamander?	N/A	None observed.
	Once the burrow is confirmed to be vacant, the burrow shall be collapsed.		4.6-1o. 3. Once the burrow was confirmed vacant, was the burrow collapsed?	N/A	None observed.
	4. If California red-legged frog or California tiger salamander are observed within the construction area, a qualified biologist shall relocate the individual according to the relocation plan above and only with authorization from USFWS and CDFW, as appropriate.		4.6-1o. 4. If California red-legged frog or California tiger salamander were observed within the construction area, a qualified biologist relocated the individual according to the relocation plan and only with authorization from USFWS and CDFW, as appropriate?	N/A	None observed.
	5. Exclusion fencing shall be installed around construction areas where there is a moderate to high potential for these species to occur as specified in Mitigation Measure 4.6-1c (General Avoidance and Minimization Measures) and only with authorization from USFWS and CDFW.		4.6-1o. 5. Exclusion fencing was installed around construction areas where there was a moderate to high potential for these species to occur and only with authorization from USFWS and CDFW?	N/A	No suitable habitat for this species in the work area. No exclusion fencing installed.
	6. The qualified biologist shall monitor vegetation removal and grading inside the exclusion fence as specified in Mitigation Measure 4.6-1c (General Avoidance and Minimization Measures).		4.6-1o. 6. Qualified biologist monitored vegetation removal and grading inside the exclusion fence?	N/A	No vegetation removal or grading inside exclusion fence performed.
	1. Prior to conducting the surveys, the qualified biologist shall prepare a relocation plan that describes the appropriate survey and handling methods for California red-legged frog and California tiger salamander, and identifies nearby relocation sites where individuals would be relocated if found during the preconstruction surveys. The relocation plan shall be submitted to USFWS and CDFW for approval prior to the start of construction activities. The animal shall be relocated to a similar type of habitat or better from where it was relocated and shall only be relocated with authorization from USFWS and CDFW, as appropriate.		4.6-1o. 7. Clearance survey performed prior to work activities, California red-legged frog and California tiger salamander absent and impacts avoided? If these species were observed, was date, time, species, location, and behavior noted?	N/A	Soil deposition activities have been discontinued. All construction work for this reporting period is within paved areas and therefore no suitable habitat within the work area.
MM 4.6-1p	Control Measures for Spread of Invasive Plants	on-going			
	Construction best management practices shall be implemented in construction areas within or adjacent to lands with native plant communities that may be susceptible to non-native plant species invasion to prevent the spread of invasive plants, seed, propagules, and pathogens through the following actions: 1) Avoid driving in or operating equipment in weed-infested areas outside of fenced work areas and restrict travel to established roads.		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?	Y	

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Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 11/8/2019			Notes
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	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.		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?	Y	
	3) Clean tools, equipment, and vehicles before transporting materials and before entering and leaving worksites (e.g., wheel washing stations at Project site access points).		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)?	Y	
	Inspect vehicles and equipment 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. Designate areas within active construction sites for cleaning and inspections.		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?	Y	
	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.		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?	Y	
	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.		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?	Y	
	5) All equipment and tools involved in soil disturbance at applicable work areas shall be 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.		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?	Y	
	6) Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) shall be used for the project.		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?	Y	
	7) Within U.S. Army-owned land, control measures for invasive species also shall conform to guidelines in the Integrated Natural Resource Management Plan (INRMP) Presidio of Monterey and Ord Military Community (e.g., Section 9.2.4, Undesirable Plant Pests).		4.6-1p. 9. Within U.S. Army-owned land, control measures for invasive species conformed to guidelines in the Integrated Natural Resource Management Plan (INRMP) Presidio of Monterey and Ord Military Community (e.g., Section 9.2.4, Undesirable Plant Pests)?	Y	
MM 4.6-1q	Frac-out Contingency Plan	N/A			No trenchless methods used for actions under NTPR-1.
MM 4.6-2b	Avoid, Minimize, and Compensate for Construction Impacts to Sensitive Communities and Environmentally Sensitive Habitat Areas	N/A			No ESHA is present within the paved project area or soil deposition area.
MM 4.6-3	Avoid, Minimize, and or Mitigate Impacts to Wetlands	N/A			No wetlands present within the paved project area or soil deposition area.

MPWSP Mitigation Monitoring Summary During Construction
NTPR-1 Seaside Transmission Mains (non-Army roadways)

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 11/8/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)]	
MM 4.6-4	Compliance with Local Tree Ordinances.	On-going			No tree removal proposed and not required. On-going monitoring should this condition change.
	1. The project applicant shall perform a comprehensive survey within the project footprint to identify, measure, and map trees subject to local tree removal ordinances (as specified in Table 4.6-10) at least 30 days prior to start of planned ground disturbance or tree removal.		4.6-4. 1. Was a comprehensive survey within the project footprint performed to identify, measure, and map trees subject to local tree removal ordinances at least 30 days prior to start of planned ground disturbance or tree removal?	N/A	No tree removal required.
	2. Any trees that are subject to local tree removal ordinances shall be avoided to the extent practicable.		4.6-4. 2. Were trees subject to local tree removal ordinances avoided to the extent practicable?	N/A	No tree removal required.
	3. If tree removal cannot be avoided by project construction, then the applicant shall comply with the applicable local tree policies or ordinances, obtain appropriate tree removal permits from applicable local agencies, and comply with those permits.		4.6-4. 3. If tree removal cannot be avoided, were all applicable local tree policies or ordinances followed, appropriate tree removal permits obtained from applicable local agencies, and compliance with those permits maintained?	N/A	No tree removal required.
	4. Tree removal, preservation, or mitigation on Army property would be done in accordance with the Integrated Natural Resource Management Plan Presidio of Monterey and Ord Military Community (November, 2008).		4.6-4. 4. Was tree removal, preservation, or mitigation on Army property performed in accordance with the Integrated Natural Resource Management Plan Presidio of Monterey and Ord Military Community (November 2008)?	N/A	No tree removal required.
MM 4.9-1	Traffic Control and Safety Assurance Plan	Complete			Traffic Control and Safety Assurance Plan submitted with NTPR-1. Conformance with plan conducted periodically by Observer/Reporter NB.
	CalAm and/or the construction contractor(s) shall obtain any necessary road encroachment permits (e.g., from Caltrans and/or the U.S. Army) prior to constructing each project component and shall comply with the conditions of approval attached to all project permits and approvals. As part of the road encroachment permit process, a qualified traffic engineer shall prepare a traffic control and safety assurance plan in accordance with professional engineering standards and submit the plan to the agencies with jurisdiction over the affected roads and recreational trails, as well as to the California Public Utilities Commission, for review and approval. For all project construction activities that could affect the public right-of-way (e.g., roadways, sidewalks, and walkways), the plan shall include measures that would provide for continuity of vehicular, pedestrian, and bicyclist traffic; reduce the potential for traffic accidents; and ensure worker safety in construction zones. Where project construction activities could disrupt mobility and access for bicyclists and pedestrians, the plan shall include measures to ensure safe and convenient access, including recreation and coastal, would be maintained.		Has an encroachment permit been obtained from the affected jurisdictions, where required and a copy of the associated Traffic Control Plan been approved by the CPUC? (see NTPR-1 Appendix A)	Y	No revisions to the existing Encroachment Permit and Traffic Control Plan (TCP) during this reporting period.
	The traffic control and safety assurance plan shall be developed on the basis of detailed design plans for the approved project. The plan shall include, but not necessarily be limited to, the elements listed below: • Develop circulation and detour plans to minimize impacts on local streets. Haul		4.9-1. 1. Have circulation and detour plans have been developed to minimize impacts on local streets?	Y	Periodic field confirmation of implementation as prescribed in TCP.

MPWSP Mitigation Monitoring Summary During Construction
NTPR-1 Seaside Transmission Mains (non-Army roadways)

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 11/8/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)]	
	routes that minimize truck traffic on local roadways and residential streets shall be used. As necessary, signage and/or flaggers shall be used to guide vehicles through the construction work areas.				
	<ul style="list-style-type: none"> Control and monitor construction vehicle movements by enforcing standard construction specifications through periodic onsite inspections. 		4.9-1. 2. Have periodic onsite inspections occurred to control and monitor construction vehicle movements by enforcing standard construction specifications?	Y	Periodic field confirmation of implementation as prescribed in TCP.
	<ul style="list-style-type: none"> Install traffic control devices where traffic conditions warrant, as specified in the applicable jurisdiction's standards (e.g., the California Manual of Uniform Traffic Controls for Construction and Maintenance Work Zones). 		4.9-1. 3. Has traffic control devices been installed where traffic conditions warrant, as specified in the applicable jurisdiction's standards (e.g., the California Manual of Uniform Traffic Controls for Construction and Maintenance Work Zones)?	Y	Periodic field confirmation of implementation as prescribed in TCP.
	<ul style="list-style-type: none"> Schedule truck trips outside of peak morning and evening commute hours to minimize adverse impacts on traffic flow (i.e., if agencies with jurisdiction over the affected roads identify highly congested roadway segments during their review of the encroachment permit applications). 		4.9-1. 4. Have truck trips been scheduled outside of peak morning and evening commute hours to minimize adverse impacts on traffic flow (i.e., if agencies with jurisdiction over the affected roads identify highly congested roadway segments during their review of the encroachment permit applications)?	Y	Periodic field confirmation of implementation as prescribed in TCP.
	<ul style="list-style-type: none"> Post detour signs along affected roadways to notify motorists of alternative routes. 		4.9-1. 5. Have detour signs been posted along affected roadways to notify motorists of alternative routes?	Y	Periodic field confirmation of implementation as prescribed in TCP.
	<ul style="list-style-type: none"> Perform construction that crosses on-street and off-street bikeways, sidewalks, and other walkways in a manner that allows for safe access for bicyclists and pedestrians. Alternatively, provide safe detours to reroute affected bicycle/pedestrian traffic. 		4.9-1. 6. Has construction work been performed that crosses on-street and off-street bikeways, sidewalks, and other walkways in a manner that allows for safe access for bicyclists and pedestrians. Alternatively, provide safe detours to reroute affected bicycle/pedestrian traffic?	Y	Periodic field confirmation of implementation as prescribed in TCP.
	<ul style="list-style-type: none"> At least two weeks prior to construction, post signage along all potentially affected recreational trails and coastal access point; Class I, II, and III bicycle routes; and pedestrian pathways, including the Monterey Peninsula Recreational Trail, to warn bicyclists and pedestrians of construction activities. The signs shall include information regarding the nature of construction activities, duration, and detour routes. Signage shall be composed of or encased in weatherproof material and posted in conspicuous locations, including on park message boards, and existing wayfinding signage and kiosks, for the duration of the closure period. At the end of the closure period, CalAm or its contractors shall retrieve all notice materials. 		4.9-1. 7. Has signage been posted at least two weeks prior to construction along all potentially affected recreational trails and coastal access point; Class I, II, and III bicycle routes; and pedestrian pathways, including the Monterey Peninsula Recreational Trail, to warn bicyclists and pedestrians of construction activities?	Y	Periodic field confirmation of implementation as prescribed in TCP.
	<ul style="list-style-type: none"> CalAm and its contractors shall schedule construction activities to minimize impacts during heavy recreational use periods (e.g., weekends and holidays). 		4.9-1. 8. Has CalAm and its contractors scheduled construction activities to minimize impacts during heavy recreational use periods (e.g., weekends and holidays)?	Y	Project work is not scheduled during weekends or holidays. Events have been considered by the construction contractor in coordination with the City of Seaside.
	<ul style="list-style-type: none"> Implement a public information program to notify motorists, bicyclists, nearby residents, and adjacent businesses of the impending construction activities (e.g., media coverage, email notices, websites, etc.). Notices of the location(s) and timing of road closures shall be published in local newspapers and on available websites to 	Complete	4.9-1. 9. Has a public information program been implemented to notify motorists, bicyclists, nearby residents, and adjacent businesses of the	Y	CalAm has instituted a public information program.

MPWSP Mitigation Monitoring Summary During Construction
 NTPR-1 Seaside Transmission Mains (non-Army roadways)

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 11/8/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)]	
	allow motorists to select alternative routes. This provision shall be implemented in conjunction with Mitigation Measure 4.12-1a (Neighborhood Notice).		impending construction activities (e.g., media coverage, email notices, websites, etc.)?		
	<ul style="list-style-type: none"> Consult with non-jurisdictional parties (e.g., CEMEX), as appropriate, regarding strategies for reducing increased traffic on roads that would provide access to construction work areas. 		4.9-1. 10. Have non-jurisdictional parties (e.g., CEMEX), been consulted as appropriate, regarding strategies for reducing increased traffic on roads that would provide access to construction work areas?	Y	
	<ul style="list-style-type: none"> Store all equipment and materials in designated contractor staging areas. 		4.9-1. 11. Have all equipment and materials been stored in designated contractor staging areas?	N	Pipeline was placed in the median of Lightfighter Road prior to installation on 11/4, 11/5 and 11/7.
	<ul style="list-style-type: none"> Maintain alternate one-way traffic flow past the construction zone where possible. 		4.9-1. 12. Has one-way traffic flow been maintained past the construction zone where possible?	Y	
	<ul style="list-style-type: none"> Install detour signs to direct traffic to alternative routes around the closed road segment if alternate one-way traffic flow cannot be maintained past the construction zone. 		4.9-1. 13. Have detour signs been installed to direct traffic to alternative routes around the closed road segment if alternate one-way traffic flow cannot be maintained past the construction zone?	Y	
	<ul style="list-style-type: none"> Limit lane closures during peak hours. 		4.9-1. 14. Have lane closures been limited during peak hours?	Y	
	<ul style="list-style-type: none"> Install detour signs to direct traffic to alternative routes around the closed road segment if alternate one-way traffic flow cannot be maintained past the construction zone. 		4.9-1. 15. Have roads and streets been restored to normal operation by covering trenches with steel plates outside of normal work hours or when work is not in progress?	Y	
	<ul style="list-style-type: none"> Comply with roadside safety protocols to reduce the risk of accidents. Provide "Road Work Ahead" warning signs and speed control (including signs informing drivers of state-legislated double fines for speed infractions in a construction zone) to achieve required speed reductions for safe traffic flow through the work zone. Train construction personnel to apply appropriate safety measures as described in the traffic control and safety assurance plan. 		4.9-1. 16. Have roadside safety protocols been complied with to reduce the risk of accidents? Including to provide "Road Work Ahead" warning signs and speed control (including signs informing drivers of state-legislated double fines for speed infractions in a construction zone) to achieve required speed reductions for safe traffic flow through the work zone. Train construction personnel to apply appropriate safety measures as described in the traffic control and safety assurance plan.	Y	
	<ul style="list-style-type: none"> Maintain access for emergency vehicles at all times. Coordinate with facility owners or administrators of sensitive land uses such as police and fire stations, transit stations, hospitals, and schools. Provide advance notification to local police, fire, and emergency service providers of the timing, location, and duration of construction activities that could affect the movement of emergency vehicles on area roadways. 		4.9-1. 17. Has access been maintained for emergency vehicles at all times?	Y	
	<p>Develop a school traffic and pedestrian safety plan to minimize adverse impacts associated with truck trips and lane closures (e.g., in the vicinity of the Marshall Elementary School east of the General Jim Moore Boulevard / Normandy Road intersection).</p> <ul style="list-style-type: none"> Avoid truck trips through designated school zones during the school drop-off and pickup hours to the extent feasible. 		4.9-1. 18. If construction is the vicinity of a school, has truck trips through designated school zones during the school drop-off and pickup hours been avoided to the extent feasible?	Y	

MPWSP Mitigation Monitoring Summary During Construction
NTPR-1 Seaside Transmission Mains (non-Army roadways)

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 11/8/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)]	
	<ul style="list-style-type: none"> Provide flaggers in school areas at street crossings to manage traffic flow and maintain traffic safety during the school drop-off and pickup hours on days when pipeline installation would occur in designated school zones. 		4.9-1. 19. If construction is the vicinity of a school, have flaggers been provided in school areas at street crossings to manage traffic flow and maintain traffic safety during the school drop-off and pickup hours on days when pipeline installation would occur in designated school zones?	Y	
	<ul style="list-style-type: none"> Coordinate with Monterey-Salinas Transit so the transit provider can temporarily relocate bus routes or bus stops in work zones as deemed necessary. 		4.9-1. 20. If construction is the vicinity of a school, has Coordination with Monterey-Salinas Transit occurred so the transit provider can temporarily relocate bus routes or bus stops in work zones as deemed necessary?	Y	
MM 4.10-1c	Construction Fugitive Dust Control Plan	On-going			
	<p>CalAm shall require its construction contractor(s) to implement a dust control plan that includes, at minimum, the following dust control measures:</p> <ul style="list-style-type: none"> Water all active construction areas at least three times daily; 		4.10-1c 1. Have all active construction areas been watered at least three times daily?	Y	
	<ul style="list-style-type: none"> Cover all trucks hauling soil, sand, and other loose materials and require trucks to maintain at least 2 feet of freeboard 		4.10-1c 2. Have all trucks hauling soil, sand, and other loose materials been covered and maintain at least 2 feet of freeboard?	Y	
	<ul style="list-style-type: none"> Apply water three times daily, or apply (non-toxic) soil stabilizers, on unpaved access roads, parking areas, and staging areas at construction sites; 		4.10-1c 3. Has water or (non-toxic) soil stabilizers been applied three times daily on unpaved access roads, parking areas, and staging areas at construction sites?	Y	
	<ul style="list-style-type: none"> Sweep daily (with water sweepers) all paved access roads, parking areas, and staging areas at construction sites; Sweep streets daily (with water sweepers) if visible soil material is carried onto adjacent public streets; 		4.10-1c 4. Has daily sweeping occurred (with water sweepers) on all paved access roads, parking areas, and staging areas at construction sites and if visible soil material is carried on adjacent streets?	Y	
	<ul style="list-style-type: none"> Hydroseed or apply (non-toxic) soil stabilizers to inactive construction areas (previously graded areas inactive for 10 days or more); 		4.10-1c 5. Has Hydroseed or (non-toxic) soil stabilizers been applied to inactive construction areas (previously graded areas inactive for 10 days or more)?	Y	
	<ul style="list-style-type: none"> Enclose, cover, or water twice daily exposed stockpiles (dirt, sand, etc.); 		4.10-1c 6. Have stockpiles (dirt, sand, etc.) been enclosed, covered, or watered twice daily?	Y	Periodic field confirmation of implementation as prescribed in Construction Fugitive Dust Control Plan.
	<ul style="list-style-type: none"> Limit traffic speeds on unpaved roads to 15 miles per hour; 		4.10-1c 7. Have traffic speeds been limited to 15 miles per hour on unpaved roads?	Y	
	<ul style="list-style-type: none"> Install sandbags or other erosion control measures to prevent silt runoff to public roadways; 		4.10-1c 8. Have sandbags or other erosion control measures been installed to prevent silt runoff to public roadways?	Y	Periodic field confirmation of implementation as prescribed in Construction Fugitive Dust Control Plan.
	<ul style="list-style-type: none"> Replant native, drought-tolerant vegetation in disturbed areas as quickly as possible; 		4.10-1c 9. Have native, drought-tolerant vegetation been replanted in disturbed areas as quickly as possible?	Y	No plantings required under this approved NTPR-1.

MPWSP Mitigation Monitoring Summary During Construction
NTPR-1 Seaside Transmission Mains (non-Army roadways)

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 11/8/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)]	
	<ul style="list-style-type: none"> Wheel washers shall be installed and used by truck operators at the exits of the construction sites to the MPWSP Desalination Plant, the slant wells, and the ASR well facilities; and Post a publicly visible sign that specifies the telephone number and person to contact regarding dust complaints. This person shall respond to complaints and take corrective action within 48 hours. The phone number of the Monterey Bay Unified Air Pollution Control District (MBUAPCD) shall also be visible to ensure compliance with MBUAPCD rules. 		4.10-1c 10. Have wheel washers been installed and used by truck operators at the exits of the construction sites to the MPWSP Desalination Plant, the slant wells, and the ASR well facilities?	Y	
			4.10-1c 11. Has a publicly visible sign been posted that specifies the telephone number and person to contact regarding dust complaints? This person shall respond to complaints and take corrective action within 48 hours. The phone number of the Monterey Bay Unified Air Pollution Control District (MBUAPCD) shall also be visible to ensure compliance with MBUAPCD rules.	Y	Periodic field confirmation of implementation.
MM 4.10-1e	Off-site Mitigation Program	N/A			No off-site mitigation required for this approved NTPR-1.
MM 4.11-1	GHG Emissions Reductions Plan	On-going		Y	In progress with CalAm
MM 4.12-1a	Neighborhood Notice and Construction Disturbance Coordinator	Complete	Has a neighborhood construction and disturbance coordinator been identified?	Y	This pre-construction action was taken by CalAm and Garney Construction. Coordinator is Julio (Aman) Gonzalez from California American Water and Brian Thompson from Garney Construction. Weekly construction meetings held with City of Seaside. No complaints filed during this reporting period.
MM 4.12-1b	General Noise Controls for Construction Equipment and Activities	Complete			
MM 4.12-1d	Additional Noise Controls for ASR-5 and ASR-6 Wells	N/A			Applicable only to ASR site construction.
MM 4.12-1e	Offsite Accommodations for Substantially Affected Nighttime Receptors	N/A			No nighttime work under this approved NTPR-1.
MM 4.12-3	Vibration Reduction Measures	On-going	We're vibration reduction measures considered?	Y	Field Supervisor observations on-going. No use of measuring equipment warranted due to equipment used and distances to potentially sensitive receptors.
MM 4.12-4	Nighttime Construction Restrictions in Marina	N/A			No nighttime work under this approved NTPR-1.
MM 4.12-5	Stationary-Source Noise Controls	On-going	Were local noise codes followed?	Y	Use of noise measuring equipment for monitoring is not required under Seaside ordinances. If reports of excessive noise are reported, they would be remedied
MM 4.13-1c	Safeguard Employees from Potential Accidents Related to Underground Utilities	On-going		Y	Periodic observation. Observer/Reporter is NB Note: USA Utility Tickets obtained July 1, 2019.

MPWSP Mitigation Monitoring Summary During Construction
NTPR-1 Seaside Transmission Mains (non-Army roadways)

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 11/8/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)]	
MM 4.13-1f	Ensure Prompt Reconnection of Utilities	N/A	The need for prompt reconnection of utilities was observed?		No impacts or reconnections were required during this reporting period.
MM 4.13-5a	Replacement of WEKO seal clamps, Periodic Inspections, and As-Needed Repairs for Offshore Segment of M1W Ocean Outfall	N/A			Applicable only to M1W Outfall Modification efforts.
MM 4.13-5b	Install Protective Lining in Land Segment of M1W Ocean Outfall	N/A			Applicable only to M1W Outfall Modification efforts.
MM 4.14-1	Maintain Clean and Orderly Construction Sites	On-going			
	As part of contract specifications, CalAm shall include a requirement that the construction contractor(s) keep staging and construction areas as clean and inconspicuous as practicable by storing construction materials and equipment at the proposed construction staging areas or in areas that are generally away from public view when not in use, and by removing construction debris promptly at regular intervals. If necessary, additional appropriate screening (e.g., temporary opaque fencing) shall be used at construction sites to buffer views of construction equipment and material, where the use of such screening materials would not further degrade the visual character or further obstruct views of scenic resources or vistas in the area. Screening is not required for pipeline construction areas.		4.14-1 1. Have staging and construction areas been kept clean and inconspicuous as practicable by storing construction materials and equipment at the proposed construction staging areas or in areas that are generally away from public view when not in use, and by removing construction debris promptly at regular intervals?	Y	
MM 4.14-2	Site-Specific Nighttime Lighting Measures	N/A		Y	No nighttime work under this approved NTPR-1.
MM 4.15-2a	Establish Archaeologically Sensitive Areas	Complete			
MM 4.15-2b	Inadvertent Discovery of Cultural Resources	Complete	Has an inadvertent discovery plan for cultural resources been prepared?	Y	
MM 4.15-4	Inadvertent Discovery of Human Remains	Complete	Has an inadvertent discovery plan for human remains been prepared?	Y	
MM 4.16-1	Minimize Disturbance to Farmland	N/A		N/A	No farmland present.

Attachment 1
DAILY LOGS 11/8/2019

Seaside Bio Compliance Checklist - Phase 1 v1

Project	Construction Phase 1 - Seaside
ID	61979
Survey Date	11/04/2019
User	Max Hofmarcher

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	Seaside Conveyance Pipelines
Company Name	<input type="checkbox"/> AECOM <input checked="" type="checkbox"/> DDA
Monitor Name	Max Hofmarcher
Time In	07:00 AM
Time Out	

Weather

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

Detailed Monitoring Activity

Construction Activities Monitored	<input checked="" type="checkbox"/> Backfilling <input type="checkbox"/> BMP installation or maintenance <input type="checkbox"/> Brushing or clearing <input type="checkbox"/> Concrete pouring <input type="checkbox"/> Conduit installation <input type="checkbox"/> Demolition <input checked="" type="checkbox"/> Excavation <input type="checkbox"/> Fencing
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- Foundation installation
- Grading
- Jack-and-bore construction
- Other
- Paving
- Pole installation
- Pole top work
- Restoration
- Retaining wall installation
- Staging yard operations
- Structure removal
- Trenching
- Vault installation
- Vegetation maintenance

Log of Monitoring Activities

General Project Site Photo(s)

Cleared vegetated median post excavation activities, facing W



excavator parked on cleared vegetated median during excavation activities, facing N



excavator parked on cleared vegetated median during excavation activities, facing W

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

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

	<input checked="" type="checkbox"/>	Yes
4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A

No
 Yes

4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?

N/A
 No
 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
 Yes

4.6-1c. 21. All temporarily disturbed areas were returned to pre-project conditions or better?

N/A
 No
 Yes

MM 4.6-1e - SPECIAL STATUS PLANTS

4.6-1E. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS PLANTS

4.6-1e. 1. Pre-construction botanical survey(s) for special-status plants were performed in all potentially suitable habitat during the appropriate blooming period for each species?

N/A
 No
 Yes

4.6-1e. 2. To the extent feasible, project facilities were sited to avoid permanent and temporary impacts on special-status plants and their required constituent habitat elements?

N/A
 No
 Yes

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
 No
 Yes

4.6-1e. 4. For potential impacts on listed plant species, such as Menzies' wallflower, sand gilia, Monterey spineflower, and Yadon's rein orchid, FESA and CESA was complied by implementing requirements from USFWS and CDFW consultation?

N/A
 No
 Yes

4.6-1e. 5. For HMP plant species on former Fort Ord lands, were plants salvaged, under the direction of a qualified biologist, as necessary, per the requirements of the HMP, and in accordance with any requirements from USFWS and CDFW?

N/A
 No
 Yes

MM 4.6-1g - LIZARDS

4.6-1G. AVOIDANCE AND MINIMIZATION MEASURES FOR BLACK LEGLESS LIZARD, SILVERY LEGLESS LIZARD, AND COAST HORNED LIZARD

4.6-1g. 1. Qualified biologist(s) possessing a Scientific Collecting Permit issued by CDFW for black legless lizard, silvery legless lizard, and coast horned lizard conducted pre-construction surveys for legless lizards and coast horned lizards within 24 hours prior to the initiation of ground disturbing activities or vegetation clearing in suitable habitats such as central dune scrub, coast sage scrub, and central maritime chaparral?

N/A
 No
 Yes

4.6-1g. 2. Clearance surveys were performed prior to work activities, special-status lizards absent and impacts avoided?

- N/A
- No
- Yes

4.6-1g. 3. If special-status lizards were observed, was date, time, species, location, and behavior noted?

- N/A
- No
- Yes

4.6-1g. 4. If relocation was necessary, were the guidelines in the relocation plan followed?

- N/A
- No
- Yes

MM 4.6-1h - BURROWING OWL

4.6-1h. AVOIDANCE AND MINIMIZATION MEASURES FOR WESTERN BURROWING OWL

4.6-1h. 1. Qualified biologist conducted pre-construction surveys of the permanent and temporary impact areas in or around suitable burrowing owl habitat to locate active breeding or wintering burrowing owl burrows less than 14 days prior to construction and/or prior to exclusion fencing installation?

- N/A
- No
- Yes

4.6-1h. 2. In areas positive for burrowing owl presence, a qualified biological monitor was onsite during all construction activities in areas where burrowing owls were determined to be present?

- N/A
- No
- Yes

4.6-1h. 3. If burrowing owls are detected during the nesting and fledging seasons (April 1 to August 15 and August 16 to October 15, respectively), no ground-disturbing activities were permitted within the specified distances from an active burrow, unless otherwise authorized by CDFW?

- N/A
- No
- Yes

4.6-1h. 4. During the non-breeding (winter) season (October 16 to March 31), ground-disturbing work maintained a distance ranging from 164 to 1,640 feet from any active burrows, depending on the level of disturbance, to be determined through coordination with CDFW?

- N/A
- No
- Yes

4.6-1h. 5. Clearance surveys were performed prior to work activities each day, burrowing owls absent and impacts avoided?

- N/A
- No
- Yes

4.6-1h. 6. If burrowing owls were observed, was date, time, species, location, and behavior noted?

- N/A
- No
- Yes

4.6-1h. 7. If relocation was necessary, were the guidelines in the relocation plan followed?

- N/A
- No
- Yes

MM 4.6-1i - NESTING BIRDS

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

4.6-1i. 1. 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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1i. 4. Clearance surveys were performed prior to work activities, nesting birds absent and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1k. 5. Clearance survey performed prior to work activities, woodrat absent and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

MM 4.6-1I - BATS

4.6-1L. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS BATS

4.6-1l. 1. Qualified biologist experienced with bat surveying, behavior, roosting habitat, and identification conducted a preconstruction habitat assessment to characterize potential bat habitat and identify active roost sites within 100 feet of construction activities?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1l. 2. Removal or disturbance of trees or structures identified as potential bat roosting habitat or active roosts occurred when bats were active, approximately between the periods of March 1 to April 15 and August 15 to October 15, to the extent feasible?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1l. 3. If removal or disturbance of trees and structures identified as potential bat roosting habitat or active roosts during the periods when bats are active is not feasible, a qualified biologist conducted pre-construction surveys within 14 days prior to disturbance to further evaluate bat activity within the potential habitat or roost site?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1l. 4. Qualified biologist was present during tree and structure disturbance or removal if active non-maternity or hibernation bat roosts or potential roosting habitat are present?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

4.6-1l. 5. If special-status bat species were observed, was date, time, species, location, and behavior noted?

- N/A
- No
- Yes

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. Preconstruction surveys were conducted within 5 days prior to, and immediately prior to, vegetation removal, grading, or installation of exclusion fence to identify any California red-legged frog, California tiger salamander, and any small mammal burrows?

- N/A
- No
- Yes

4.6-1o. 2. Small mammal burrows identified during preconstruction surveys were surveyed (through hand-excavation, scoping, or other suitable methods to be determined in consultation with USFWS and CDFW) to identify any California red-legged frog or California tiger salamander?

- N/A
- No
- Yes

4.6-1o. 3. Once the burrow was confirmed vacant, was the burrow collapsed?

- N/A
- No
- Yes

4.6-1o. 4. If California red-legged frog or California tiger salamander were observed within the construction area, a qualified biologist relocated the individual according to the relocation plan and only with authorization from USFWS and CDFW, as appropriate?

- N/A
- No
- Yes

4.6-1o. 5. Exclusion fencing was installed around construction areas where there was a moderate to high potential for these species to occur and only with authorization from USFWS and CDFW?

- N/A
- No
- Yes

4.6-1o. 6. Qualified biologist monitored vegetation removal and grading inside the exclusion fence?

- N/A
- No
- Yes

4.6-1o. 7. Clearance survey performed prior to work activities, California red-legged frog and California tiger salamander absent and impacts avoided? If these species were observed, was date, time, species, location, and behavior noted?

- N/A
- No
- Yes

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)?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1p. 9. Within U.S. Army-owned land, control measures for invasive species conformed to guidelines in the Integrated Natural Resource Management Plan (INRMP) Presidio of Monterey and Ord Military Community (e.g., Section 9.2.4, Undesirable Plant Pests)?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes

MM 4.6-4 - TREE ORDINANCES

4.6-4. COMPLIANCE WITH LOCAL TREE ORDINANCES		
4.6-4. 1. Was a comprehensive survey within the project footprint performed to identify, measure, and map trees subject to local tree removal ordinances at least 30 days prior to start of planned ground disturbance or tree removal?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-4. 2. Were trees subject to local tree removal ordinances avoided to the extent practicable?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-4. 3. If tree removal cannot be avoided, were all applicable local tree policies or ordinances followed, appropriate tree removal permits obtained from applicable local agencies, and compliance with those permits maintained?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-4. 4. Was tree removal, preservation, or mitigation on Army property performed in accordance with the Integrated Natural Resource Management Plan Presidio of Monterey and Ord Military Community (November, 2008)?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

Sensitive Species Observation

Sensitive species observed?

No
 Yes

Notes

Seaside Bio Compliance Checklist - Phase 1 v1

Project	Construction Phase 1 - Seaside
ID	61976
Survey Date	11/05/2019
User	Max Hofmarcher

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	Seaside Conveyance Pipelines
Company Name	<input type="checkbox"/> AECOM <input checked="" type="checkbox"/> DDA
Monitor Name	Max Hofmarcher
Time In	06:45 AM
Time Out	

Weather

Start Temperature (F)	54
Start Cloud Cover (%)	100
Start Wind Speed (mph)	3
End Temperature (F)	57
End Cloud Cover (%)	100
End Wind Speed (mph)	6

Detailed Monitoring Activity

Construction Activities Monitored

- Backfilling
- BMP installation or maintenance
- Brushing or clearing
- Concrete pouring
- Conduit installation
- Demolition
- Excavation
- Fencing
- Foundation installation
- Grading
- Jack-and-bore construction
- Other

- Paving
- Pole installation
- Pole top work
- Restoration
- Retaining wall installation
- Staging yard operations
- Structure removal
- Trenching
- Vault installation
- Vegetation maintenance

Log of Monitoring Activities

pipeline storage on vegetated, surveyed, and cleared median, identifiable plants include:
 coast live oak (avoided)
 telegraph weed
 sticky monkey flower
 deer weed
 Rosemary
 gum rockrose

General Project Site Photo(s)

temporary pipeline storage outside of planned staging areas, facing W



sand absorbing of spilled hydraulic fluid in isolated roadway, facing E



pipeline storage in surveyed and cleared median, facing E



pipeline storage in surveyed and cleared median, facing E



pipeline storage in surveyed and cleared median, facing E



temporary staging of pipeline on transport trucks, facing N



fueling of equipment in roadway away from storm water drains, facing N

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

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
- Yes

4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?

- N/A
- No
- Yes

4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?

- 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
- 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
- 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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input checked="" type="checkbox"/>	No
	<input type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 21. All temporarily disturbed areas were returned to pre-project conditions or better?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

MM 4.6-1e - SPECIAL STATUS PLANTS

4.6-1E. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS PLANTS

4.6-1e. 1. Pre-construction botanical survey(s) for special-status plants were performed in all potentially suitable habitat during the appropriate blooming period for each species?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1e. 2. To the extent feasible, project facilities were sited to avoid permanent and temporary impacts on special-status plants and their required constituent habitat elements?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1e. 3. Special-status plants located within temporary construction areas were fenced or flagged for avoidance (if feasible) prior to construction?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1e. 4. For potential impacts on listed plant species, such as Menzies' wallflower, sand gilia, Monterey spineflower, and Yadon's rein orchid, FESA and CESA was complied by implementing requirements from USFWS and CDFW consultation?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1e. 5. For HMP plant species on former Fort Ord lands, were plants salvaged, under the direction of a qualified biologist, as necessary, per the requirements of the HMP, and in accordance with any requirements from USFWS and CDFW?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

MM 4.6-1g - LIZARDS

4.6-1G. AVOIDANCE AND MINIMIZATION MEASURES FOR BLACK LEGLESS LIZARD, SILVERY LEGLESS LIZARD, AND COAST HORNED LIZARD

4.6-1g. 1. Qualified biologist(s) possessing a Scientific Collecting Permit issued by CDFW for black legless lizard, silvery legless lizard, and coast horned lizard conducted pre-construction surveys for legless lizards and coast horned lizards within 24 hours prior to the initiation of ground disturbing activities or vegetation clearing in suitable habitats such as central dune scrub, coast sage scrub, and central maritime chaparral?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1g. 2. Clearance surveys were performed prior to work activities, special-status lizards absent and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1g. 3. If special-status lizards were observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1g. 4. If relocation was necessary, were the guidelines in the relocation plan followed?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

MM 4.6-1h - BURROWING OWL

4.6-1H. AVOIDANCE AND MINIMIZATION MEASURES FOR WESTERN BURROWING OWL

4.6-1h. 1. Qualified biologist conducted pre-construction surveys of the permanent and temporary impact areas in or around suitable burrowing owl habitat to locate active breeding or wintering burrowing owl burrows less than 14 days prior to construction and/or prior to exclusion fencing installation?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No

	<input checked="" type="checkbox"/>	Yes
4.6-1h. 2. In areas positive for burrowing owl presence, a qualified biological monitor was onsite during all construction activities in areas where burrowing owls were determined to be present?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1h. 3. If burrowing owls are detected during the nesting and fledging seasons (April 1 to August 15 and August 16 to October 15, respectively), no ground-disturbing activities were permitted within the specified distances from an active burrow, unless otherwise authorized by CDFW?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1h. 4. During the non-breeding (winter) season (October 16 to March 31), ground-disturbing work maintained a distance ranging from 164 to 1,640 feet from any active burrows, depending on the level of disturbance, to be determined through coordination with CDFW?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1h. 5. Clearance surveys were performed prior to work activities each day, burrowing owls absent and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1h. 6. If burrowing owls were observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1h. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

MM 4.6-1i - NESTING BIRDS

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

4.6-1i. 1. 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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1i. 4. Clearance surveys were performed prior to work activities, nesting birds absent and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No

Yes

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?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> 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?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes
4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes
4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes

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?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> 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?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> 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?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> 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?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes
4.6-1k. 5. Clearance survey performed prior to work activities, woodrat absent and impacts avoided?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No

Yes

4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?

N/A

No

Yes

4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?

N/A

No

Yes

MM 4.6-1l - BATS

4.6-1L. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS BATS

4.6-1l. 1. Qualified biologist experienced with bat surveying, behavior, roosting habitat, and identification conducted a preconstruction habitat assessment to characterize potential bat habitat and identify active roost sites within 100 feet of construction activities?

N/A

No

Yes

4.6-1l. 2. Removal or disturbance of trees or structures identified as potential bat roosting habitat or active roosts occurred when bats were active, approximately between the periods of March 1 to April 15 and August 15 to October 15, to the extent feasible?

N/A

No

Yes

4.6-1l. 3. If removal or disturbance of trees and structures identified as potential bat roosting habitat or active roosts during the periods when bats are active is not feasible, a qualified biologist conducted pre-construction surveys within 14 days prior to disturbance to further evaluate bat activity within the potential habitat or roost site?

N/A

No

Yes

4.6-1l. 4. Qualified biologist was present during tree and structure disturbance or removal if active non-maternity or hibernation bat roosts or potential roosting habitat are present?

N/A

No

Yes

4.6-1l. 5. If special-status bat species were observed, was date, time, species, location, and behavior noted?

N/A

No

Yes

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. Preconstruction surveys were conducted within 5 days prior to, and immediately prior to, vegetation removal, grading, or installation of exclusion fence to identify any California red-legged frog, California tiger salamander, and any small mammal burrows?

N/A

No

Yes

4.6-1o. 2. Small mammal burrows identified during preconstruction surveys were surveyed (through hand-excavation, scoping, or other suitable methods to be determined in consultation with USFWS and CDFW) to identify any California red-legged frog or California tiger salamander?

N/A

No

Yes

4.6-1o. 3. Once the burrow was confirmed vacant, was the burrow collapsed?

N/A

No
 Yes

4.6-1o. 4. If California red-legged frog or California tiger salamander were observed within the construction area, a qualified biologist relocated the individual according to the relocation plan and only with authorization from USFWS and CDFW, as appropriate?

N/A
 No
 Yes

4.6-1o. 5. Exclusion fencing was installed around construction areas where there was a moderate to high potential for these species to occur and only with authorization from USFWS and CDFW?

N/A
 No
 Yes

4.6-1o. 6. Qualified biologist monitored vegetation removal and grading inside the exclusion fence?

N/A
 No
 Yes

4.6-1o. 7. Clearance survey performed prior to work activities, California red-legged frog and California tiger salamander absent and impacts avoided? If these species were observed, was date, time, species, location, and behavior noted?

N/A
 No
 Yes

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

N/A

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?

- 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

4.6-1p. 9. Within U.S. Army-owned land, control measures for invasive species conformed to guidelines in the Integrated Natural Resource Management Plan (INRMP) Presidio of Monterey and Ord Military Community (e.g., Section 9.2.4, Undesirable Plant Pests)?

- N/A
- No
- Yes

MM 4.6-4 - TREE ORDINANCES

4.6-4. COMPLIANCE WITH LOCAL TREE ORDINANCES

4.6-4. 1. Was a comprehensive survey within the project footprint performed to identify, measure, and map trees subject to local tree removal ordinances at least 30 days prior to start of planned ground disturbance or tree removal?

- N/A
- No
- Yes

4.6-4. 2. Were trees subject to local tree removal ordinances avoided to the extent practicable?

- N/A
- No
- Yes

4.6-4. 3. If tree removal cannot be avoided, were all applicable local tree policies or ordinances followed, appropriate tree removal permits obtained from applicable local agencies, and compliance with those permits maintained?

- N/A
- No
- Yes

4.6-4. 4. Was tree removal, preservation, or mitigation on Army property performed in accordance with the Integrated Natural Resource Management Plan Presidio of Monterey and Ord Military Community (November, 2008)?

- N/A
- No
- Yes

NON COMPLIANCE REPORTING

Non-Compliance Incident

Preparer's Name, Title, and Organization

Measure Number

Incident Date

Incident Time

Incident Start Date

Resolution Date

Resolution Time

Incident Summary

Corrective Actions

Attached Photo(s)

None

Sensitive Species Observation

Sensitive species observed?

No
 Yes

Notes

Seaside Bio Compliance Checklist - Phase 1 v1

Project	Construction Phase 1 - Seaside
ID	62153
Survey Date	11/06/2019
User	Max Hofmarcher

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	Seaside Conveyance Pipelines
Company Name	<input type="checkbox"/> AECOM <input checked="" type="checkbox"/> DDA
Monitor Name	Max Hofmarcher
Time In	07:00 AM
Time Out	04:00 PM

Weather

Start Temperature (F)	53
Start Cloud Cover (%)	100
Start Wind Speed (mph)	5
End Temperature (F)	50
End Cloud Cover (%)	100
End Wind Speed (mph)	2

Detailed Monitoring Activity

Construction Activities Monitored

- Backfilling
- BMP installation or maintenance
- Brushing or clearing
- Concrete pouring
- Conduit installation
- Demolition
- Excavation
- Fencing
- Foundation installation
- Grading
- Jack-and-bore construction
- Other

- Paving
- Pole installation
- Pole top work
- Restoration
- Retaining wall installation
- Staging yard operations
- Structure removal
- Trenching
- Vault installation
- Vegetation maintenance

Log of Monitoring Activities

gave mini weap training to 3 new temporary transportation employees

General Project Site Photo(s)

None

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

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

	<input checked="" type="checkbox"/>	Yes
4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A

No
 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
 Yes

4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?

N/A
 No
 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
 Yes

4.6-1c. 21. All temporarily disturbed areas were returned to pre-project conditions or better?

N/A
 No
 Yes

MM 4.6-1e - SPECIAL STATUS PLANTS

4.6-1E. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS PLANTS

4.6-1e. 1. Pre-construction botanical survey(s) for special-status plants were performed in all potentially suitable habitat during the appropriate blooming period for each species?

N/A
 No
 Yes

4.6-1e. 2. To the extent feasible, project facilities were sited to avoid permanent and temporary impacts on special-status plants and their required constituent habitat elements?

N/A
 No
 Yes

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
 No
 Yes

4.6-1e. 4. For potential impacts on listed plant species, such as Menzies' wallflower, sand gilia, Monterey spineflower, and Yadon's rein orchid, FESA and CESA was complied by implementing requirements from USFWS and CDFW consultation?

N/A
 No
 Yes

4.6-1e. 5. For HMP plant species on former Fort Ord lands, were plants salvaged, under the direction of a qualified biologist, as necessary, per the requirements of the HMP, and in accordance with any requirements from USFWS and CDFW?

N/A
 No
 Yes

MM 4.6-1g - LIZARDS

4.6-1G. AVOIDANCE AND MINIMIZATION MEASURES FOR BLACK LEGLESS LIZARD, SILVERY LEGLESS LIZARD, AND COAST HORNED LIZARD

4.6-1g. 1. Qualified biologist(s) possessing a Scientific Collecting Permit issued by CDFW for black legless lizard, silvery legless lizard, and coast horned lizard conducted pre-construction surveys for legless lizards and coast horned lizards within 24 hours prior to the initiation of ground disturbing activities or vegetation clearing in suitable habitats such as central dune scrub, coast sage scrub, and central maritime chaparral?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1g. 2. Clearance surveys were performed prior to work activities, special-status lizards absent and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1g. 3. If special-status lizards were observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1g. 4. If relocation was necessary, were the guidelines in the relocation plan followed?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

MM 4.6-1h - BURROWING OWL

4.6-1H. AVOIDANCE AND MINIMIZATION MEASURES FOR WESTERN BURROWING OWL		
4.6-1h. 1. Qualified biologist conducted pre-construction surveys of the permanent and temporary impact areas in or around suitable burrowing owl habitat to locate active breeding or wintering burrowing owl burrows less than 14 days prior to construction and/or prior to exclusion fencing installation?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1h. 2. In areas positive for burrowing owl presence, a qualified biological monitor was onsite during all construction activities in areas where burrowing owls were determined to be present?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1h. 3. If burrowing owls are detected during the nesting and fledging seasons (April 1 to August 15 and August 16 to October 15, respectively), no ground-disturbing activities were permitted within the specified distances from an active burrow, unless otherwise authorized by CDFW?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1h. 4. During the non-breeding (winter) season (October 16 to March 31), ground-disturbing work maintained a distance ranging from 164 to 1,640 feet from any active burrows, depending on the level of disturbance, to be determined through coordination with CDFW?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1h. 5. Clearance surveys were performed prior to work activities each day, burrowing owls absent and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1h. 6. If burrowing owls were observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1h. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No

Yes

MM 4.6-1i - NESTING BIRDS

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

- 4.6-1i. 1. 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?
- N/A
 No
 Yes
- 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
 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
 Yes
- 4.6-1i. 4. Clearance surveys were performed prior to work activities, nesting birds absent and impacts avoided?
- N/A
 No
 Yes
- 4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?
- N/A
 No
 Yes

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
 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
 Yes
- 4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?
- N/A
 No
 Yes
- 4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?
- N/A
 No
 Yes
- 4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?
- N/A
 No

Yes

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?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> 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?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> 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?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> 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?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes
4.6-1k. 5. Clearance survey performed prior to work activities, woodrat absent and impacts avoided?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes
4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes
4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes

MM 4.6-1l - BATS

4.6-1L. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS BATS

4.6-1l. 1. Qualified biologist experienced with bat surveying, behavior, roosting habitat, and identification conducted a preconstruction habitat assessment to characterize potential bat habitat and identify active roost sites within 100 feet of construction activities?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.6-1l. 2. Removal or disturbance of trees or structures identified as potential bat roosting habitat or active roosts occurred when bats were active, approximately between the periods of March 1 to April 15 and August 15 to October 15, to the extent feasible?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes
4.6-1l. 3. If removal or disturbance of trees and structures identified as potential bat roosting habitat or active roosts during the periods when bats are active is not feasible, a qualified biologist conducted pre-construction surveys within 14 days prior to disturbance to further evaluate bat activity within the potential habitat or roost	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No

site?	<input type="checkbox"/>	Yes
4.6-1l. 4. Qualified biologist was present during tree and structure disturbance or removal if active non-maternity or hibernation bat roosts or potential roosting habitat are present?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1l. 5. If special-status bat species were observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

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. Preconstruction surveys were conducted within 5 days prior to, and immediately prior to, vegetation removal, grading, or installation of exclusion fence to identify any California red-legged frog, California tiger salamander, and any small mammal burrows?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1o. 2. Small mammal burrows identified during preconstruction surveys were surveyed (through hand-excavation, scoping, or other suitable methods to be determined in consultation with USFWS and CDFW) to identify any California red-legged frog or California tiger salamander?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1o. 3. Once the burrow was confirmed vacant, was the burrow collapsed?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1o. 4. If California red-legged frog or California tiger salamander were observed within the construction area, a qualified biologist relocated the individual according to the relocation plan and only with authorization from USFWS and CDFW, as appropriate?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1o. 5. Exclusion fencing was installed around construction areas where there was a moderate to high potential for these species to occur and only with authorization from USFWS and CDFW?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1o. 6. Qualified biologist monitored vegetation removal and grading inside the exclusion fence?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1o. 7. Clearance survey performed prior to work activities, California red-legged frog and California tiger salamander absent and impacts avoided? If these species were observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

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?	<input type="checkbox"/>	N/A
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	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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)?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1p. 9. Within U.S. Army-owned land, control measures for invasive species conformed to guidelines in the Integrated Natural Resource Management Plan (INRMP) Presidio of Monterey and Ord Military Community (e.g., Section 9.2.4, Undesirable Plant Pests)?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes

MM 4.6-4 - TREE ORDINANCES

4.6-4. COMPLIANCE WITH LOCAL TREE ORDINANCES

4.6-4. 1. Was a comprehensive survey within the project footprint performed to identify, measure, and map trees subject to local tree removal ordinances at least 30 days prior to start of planned ground disturbance or tree removal?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-4. 2. Were trees subject to local tree removal ordinances avoided to the extent practicable?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-4. 3. If tree removal cannot be avoided, were all applicable local tree policies or ordinances followed, appropriate tree removal permits obtained from applicable	<input checked="" type="checkbox"/>	N/A

local agencies, and compliance with those permits maintained?

- No
- Yes

4.6-4. 4. Was tree removal, preservation, or mitigation on Army property performed in accordance with the Integrated Natural Resource Management Plan Presidio of Monterey and Ord Military Community (November, 2008)?

- N/A
- No
- Yes

Sensitive Species Observation

Sensitive species observed?

- No
- Yes

Notes

Seaside Bio Compliance Checklist - Phase 1 v1

Project	Construction Phase 1 - Seaside
ID	62220
Survey Date	11/07/2019
User	Max Hofmarcher

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	Seaside Conveyance Pipelines
Company Name	<input type="checkbox"/> AECOM <input checked="" type="checkbox"/> DDA
Monitor Name	Max Hofmarcher
Time In	07:00 AM
Time Out	04:00 PM

Weather

Start Temperature (F)	50
Start Cloud Cover (%)	100
Start Wind Speed (mph)	2
End Temperature (F)	55
End Cloud Cover (%)	90
End Wind Speed (mph)	4

Detailed Monitoring Activity

Construction Activities Monitored

- Backfilling
- BMP installation or maintenance
- Brushing or clearing
- Concrete pouring
- Conduit installation
- Demolition
- Excavation
- Fencing
- Foundation installation
- Grading
- Jack-and-bore construction
- Other

- Paving
- Pole installation
- Pole top work
- Restoration
- Retaining wall installation
- Staging yard operations
- Structure removal
- Trenching
- Vault installation
- Vegetation maintenance

Log of Monitoring Activities

General Project Site Photo(s)



dust mitigation over soil transport truck, facing S on Gen Jim Moore



pipeline being stored outside of project area in median on Lightfighter ave, facing E



pipeline removed from unapproved storage area on Lightfighter, facing E

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

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
 Yes

4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention? N/A
 No
 Yes

4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective? 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
 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
 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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 21. All temporarily disturbed areas were returned to pre-project conditions or better?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

MM 4.6-1e - SPECIAL STATUS PLANTS

4.6-1E. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS PLANTS

4.6-1e. 1. Pre-construction botanical survey(s) for special-status plants were performed in all potentially suitable habitat during the appropriate blooming period for each species?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1e. 2. To the extent feasible, project facilities were sited to avoid permanent and temporary impacts on special-status plants and their required constituent habitat elements?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1e. 3. Special-status plants located within temporary construction areas were fenced or flagged for avoidance (if feasible) prior to construction?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1e. 4. For potential impacts on listed plant species, such as Menzies' wallflower, sand gilia, Monterey spineflower, and Yadon's rein orchid, FESA and CESA was complied by implementing requirements from USFWS and CDFW consultation?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1e. 5. For HMP plant species on former Fort Ord lands, were plants salvaged, under the direction of a qualified biologist, as necessary, per the requirements of the HMP, and in accordance with any requirements from USFWS and CDFW?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

MM 4.6-1g - LIZARDS

4.6-1G. AVOIDANCE AND MINIMIZATION MEASURES FOR BLACK LEGLESS LIZARD, SILVERY LEGLESS LIZARD, AND COAST HORNED LIZARD

4.6-1g. 1. Qualified biologist(s) possessing a Scientific Collecting Permit issued by CDFW for black legless lizard, silvery legless lizard, and coast horned lizard conducted pre-construction surveys for legless lizards and coast horned lizards within 24 hours prior to the initiation of ground disturbing activities or vegetation clearing in suitable habitats such as central dune scrub, coast sage scrub, and central maritime chaparral?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1g. 2. Clearance surveys were performed prior to work activities, special-status lizards absent and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1g. 3. If special-status lizards were observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1g. 4. If relocation was necessary, were the guidelines in the relocation plan followed?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

MM 4.6-1h - BURROWING OWL

4.6-1H. AVOIDANCE AND MINIMIZATION MEASURES FOR WESTERN BURROWING OWL

4.6-1h. 1. Qualified biologist conducted pre-construction surveys of the permanent and temporary impact areas in or around suitable burrowing owl habitat to locate active breeding or wintering burrowing owl burrows less than 14 days prior to construction and/or prior to exclusion fencing installation?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No

	<input checked="" type="checkbox"/>	Yes
4.6-1h. 2. In areas positive for burrowing owl presence, a qualified biological monitor was onsite during all construction activities in areas where burrowing owls were determined to be present?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1h. 3. If burrowing owls are detected during the nesting and fledging seasons (April 1 to August 15 and August 16 to October 15, respectively), no ground-disturbing activities were permitted within the specified distances from an active burrow, unless otherwise authorized by CDFW?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1h. 4. During the non-breeding (winter) season (October 16 to March 31), ground-disturbing work maintained a distance ranging from 164 to 1,640 feet from any active burrows, depending on the level of disturbance, to be determined through coordination with CDFW?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1h. 5. Clearance surveys were performed prior to work activities each day, burrowing owls absent and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1h. 6. If burrowing owls were observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1h. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

MM 4.6-1i - NESTING BIRDS

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

4.6-1i. 1. 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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1i. 4. Clearance surveys were performed prior to work activities, nesting birds absent and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No

Yes

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?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> 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?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes
4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes
4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes

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?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> 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?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> 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?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> 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?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes
4.6-1k. 5. Clearance survey performed prior to work activities, woodrat absent and impacts avoided?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No

Yes

4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?

N/A

No

Yes

4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?

N/A

No

Yes

MM 4.6-1l - BATS

4.6-1L. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS BATS

4.6-1l. 1. Qualified biologist experienced with bat surveying, behavior, roosting habitat, and identification conducted a preconstruction habitat assessment to characterize potential bat habitat and identify active roost sites within 100 feet of construction activities?

N/A

No

Yes

4.6-1l. 2. Removal or disturbance of trees or structures identified as potential bat roosting habitat or active roosts occurred when bats were active, approximately between the periods of March 1 to April 15 and August 15 to October 15, to the extent feasible?

N/A

No

Yes

4.6-1l. 3. If removal or disturbance of trees and structures identified as potential bat roosting habitat or active roosts during the periods when bats are active is not feasible, a qualified biologist conducted pre-construction surveys within 14 days prior to disturbance to further evaluate bat activity within the potential habitat or roost site?

N/A

No

Yes

4.6-1l. 4. Qualified biologist was present during tree and structure disturbance or removal if active non-maternity or hibernation bat roosts or potential roosting habitat are present?

N/A

No

Yes

4.6-1l. 5. If special-status bat species were observed, was date, time, species, location, and behavior noted?

N/A

No

Yes

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. Preconstruction surveys were conducted within 5 days prior to, and immediately prior to, vegetation removal, grading, or installation of exclusion fence to identify any California red-legged frog, California tiger salamander, and any small mammal burrows?

N/A

No

Yes

4.6-1o. 2. Small mammal burrows identified during preconstruction surveys were surveyed (through hand-excavation, scoping, or other suitable methods to be determined in consultation with USFWS and CDFW) to identify any California red-legged frog or California tiger salamander?

N/A

No

Yes

4.6-1o. 3. Once the burrow was confirmed vacant, was the burrow collapsed?

N/A

	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1o. 4. If California red-legged frog or California tiger salamander were observed within the construction area, a qualified biologist relocated the individual according to the relocation plan and only with authorization from USFWS and CDFW, as appropriate?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1o. 5. Exclusion fencing was installed around construction areas where there was a moderate to high potential for these species to occur and only with authorization from USFWS and CDFW?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1o. 6. Qualified biologist monitored vegetation removal and grading inside the exclusion fence?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1o. 7. Clearance survey performed prior to work activities, California red-legged frog and California tiger salamander absent and impacts avoided? If these species were observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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)?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1p. 7. All equipment and tools involved in soil disturbance at applicable work	<input type="checkbox"/>	N/A

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?

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

4.6-1p. 9. Within U.S. Army-owned land, control measures for invasive species conformed to guidelines in the Integrated Natural Resource Management Plan (INRMP) Presidio of Monterey and Ord Military Community (e.g., Section 9.2.4, Undesirable Plant Pests)?

N/A
 No
 Yes

MM 4.6-4 - TREE ORDINANCES

4.6-4. COMPLIANCE WITH LOCAL TREE ORDINANCES

4.6-4. 1. Was a comprehensive survey within the project footprint performed to identify, measure, and map trees subject to local tree removal ordinances at least 30 days prior to start of planned ground disturbance or tree removal?

N/A
 No
 Yes

4.6-4. 2. Were trees subject to local tree removal ordinances avoided to the extent practicable?

N/A
 No
 Yes

4.6-4. 3. If tree removal cannot be avoided, were all applicable local tree policies or ordinances followed, appropriate tree removal permits obtained from applicable local agencies, and compliance with those permits maintained?

N/A
 No
 Yes

4.6-4. 4. Was tree removal, preservation, or mitigation on Army property performed in accordance with the Integrated Natural Resource Management Plan Presidio of Monterey and Ord Military Community (November, 2008)?

N/A
 No
 Yes

Sensitive Species Observation

Sensitive species observed?

No
 Yes

Notes

Seaside Bio Compliance Checklist - Phase 1 v1

Project	Construction Phase 1 - Seaside
ID	62221
Survey Date	11/07/2019
User	Max Hofmarcher

Seaside Bio Compliance Checklist - Phase 1 v1

Project	Construction Phase 1 - Seaside
ID	62388
Survey Date	11/08/2019
User	Max Hofmarcher

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	Seaside Conveyance Pipelines
Company Name	<input type="checkbox"/> AECOM <input checked="" type="checkbox"/> DDA
Monitor Name	Max Hofmarcher
Time In	07:00 AM
Time Out	

Weather

Start Temperature (F)	54
Start Cloud Cover (%)	100
Start Wind Speed (mph)	6
End Temperature (F)	
End Cloud Cover (%)	
End Wind Speed (mph)	

Detailed Monitoring Activity

Construction Activities Monitored

- Backfilling
- BMP installation or maintenance
- Brushing or clearing
- Concrete pouring
- Conduit installation
- Demolition
- Excavation
- Fencing
- Foundation installation
- Grading
- Jack-and-bore construction
- Other
- Paving

- Pole installation
- Pole top work
- Restoration
- Retaining wall installation
- Staging yard operations
- Structure removal
- Trenching
- Vault installation
- Vegetation maintenance

Log of Monitoring Activities

General Project Site Photo(s)

None

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

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
 Yes

4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?

N/A
 No
 Yes

4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?

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
 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
 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?

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
 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
 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
 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
 Yes

4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?

N/A
 No
 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
 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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 21. All temporarily disturbed areas were returned to pre-project conditions or better?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

MM 4.6-1e - SPECIAL STATUS PLANTS

4.6-1E. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS PLANTS		
4.6-1e. 1. Pre-construction botanical survey(s) for special-status plants were performed in all potentially suitable habitat during the appropriate blooming period for each species?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1e. 2. To the extent feasible, project facilities were sited to avoid permanent and temporary impacts on special-status plants and their required constituent habitat elements?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1e. 3. Special-status plants located within temporary construction areas were fenced or flagged for avoidance (if feasible) prior to construction?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1e. 4. For potential impacts on listed plant species, such as Menzies' wallflower, sand gilia, Monterey spineflower, and Yadon's rein orchid, FESA and CESA was complied by implementing requirements from USFWS and CDFW consultation?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1e. 5. For HMP plant species on former Fort Ord lands, were plants salvaged, under the direction of a qualified biologist, as necessary, per the requirements of the HMP, and in accordance with any requirements from USFWS and CDFW?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

MM 4.6-1g - LIZARDS

4.6-1G. AVOIDANCE AND MINIMIZATION MEASURES FOR BLACK LEGLESS LIZARD, SILVERY LEGLESS LIZARD, AND COAST HORNED LIZARD		
4.6-1g. 1. Qualified biologist(s) possessing a Scientific Collecting Permit issued by CDFW for black legless lizard, silvery legless lizard, and coast horned lizard conducted pre-construction surveys for legless lizards and coast horned lizards within 24 hours prior to the initiation of ground disturbing activities or vegetation clearing in suitable habitats such as central dune scrub, coast sage scrub, and central maritime	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes

chaparral?

4.6-1g. 2. Clearance surveys were performed prior to work activities, special-status lizards absent and impacts avoided?

- N/A
 No
 Yes

4.6-1g. 3. If special-status lizards were observed, was date, time, species, location, and behavior noted?

- N/A
 No
 Yes

4.6-1g. 4. If relocation was necessary, were the guidelines in the relocation plan followed?

- N/A
 No
 Yes

MM 4.6-1h - BURROWING OWL

4.6-1H. AVOIDANCE AND MINIMIZATION MEASURES FOR WESTERN BURROWING OWL

4.6-1h. 1. Qualified biologist conducted pre-construction surveys of the permanent and temporary impact areas in or around suitable burrowing owl habitat to locate active breeding or wintering burrowing owl burrows less than 14 days prior to construction and/or prior to exclusion fencing installation?

- N/A
 No
 Yes

4.6-1h. 2. In areas positive for burrowing owl presence, a qualified biological monitor was onsite during all construction activities in areas where burrowing owls were determined to be present?

- N/A
 No
 Yes

4.6-1h. 3. If burrowing owls are detected during the nesting and fledging seasons (April 1 to August 15 and August 16 to October 15, respectively), no ground-disturbing activities were permitted within the specified distances from an active burrow, unless otherwise authorized by CDFW?

- N/A
 No
 Yes

4.6-1h. 4. During the non-breeding (winter) season (October 16 to March 31), ground-disturbing work maintained a distance ranging from 164 to 1,640 feet from any active burrows, depending on the level of disturbance, to be determined through coordination with CDFW?

- N/A
 No
 Yes

4.6-1h. 5. Clearance surveys were performed prior to work activities each day, burrowing owls absent and impacts avoided?

- N/A
 No
 Yes

4.6-1h. 6. If burrowing owls were observed, was date, time, species, location, and behavior noted?

- N/A
 No
 Yes

4.6-1h. 7. If relocation was necessary, were the guidelines in the relocation plan followed?

- N/A
 No
 Yes

MM 4.6-1i - NESTING BIRDS

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

4.6-1i. 1. 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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1i. 4. Clearance surveys were performed prior to work activities, nesting birds absent and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1k. 5. Clearance survey performed prior to work activities, woodrat absent and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

MM 4.6-1I - BATS

4.6-1L. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS BATS

4.6-1l. 1. Qualified biologist experienced with bat surveying, behavior, roosting habitat, and identification conducted a preconstruction habitat assessment to characterize potential bat habitat and identify active roost sites within 100 feet of construction activities?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1l. 2. Removal or disturbance of trees or structures identified as potential bat roosting habitat or active roosts occurred when bats were active, approximately between the periods of March 1 to April 15 and August 15 to October 15, to the extent feasible?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1l. 3. If removal or disturbance of trees and structures identified as potential bat roosting habitat or active roosts during the periods when bats are active is not feasible, a qualified biologist conducted pre-construction surveys within 14 days prior to disturbance to further evaluate bat activity within the potential habitat or roost site?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1l. 4. Qualified biologist was present during tree and structure disturbance or removal if active non-maternity or hibernation bat roosts or potential roosting habitat are present?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No

Yes

4.6-1l. 5. If special-status bat species were observed, was date, time, species, location, and behavior noted?

N/A

No

Yes

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. Preconstruction surveys were conducted within 5 days prior to, and immediately prior to, vegetation removal, grading, or installation of exclusion fence to identify any California red-legged frog, California tiger salamander, and any small mammal burrows?

N/A

No

Yes

4.6-1o. 2. Small mammal burrows identified during preconstruction surveys were surveyed (through hand-excavation, scoping, or other suitable methods to be determined in consultation with USFWS and CDFW) to identify any California red-legged frog or California tiger salamander?

N/A

No

Yes

4.6-1o. 3. Once the burrow was confirmed vacant, was the burrow collapsed?

N/A

No

Yes

4.6-1o. 4. If California red-legged frog or California tiger salamander were observed within the construction area, a qualified biologist relocated the individual according to the relocation plan and only with authorization from USFWS and CDFW, as appropriate?

N/A

No

Yes

4.6-1o. 5. Exclusion fencing was installed around construction areas where there was a moderate to high potential for these species to occur and only with authorization from USFWS and CDFW?

N/A

No

Yes

4.6-1o. 6. Qualified biologist monitored vegetation removal and grading inside the exclusion fence?

N/A

No

Yes

4.6-1o. 7. Clearance survey performed prior to work activities, California red-legged frog and California tiger salamander absent and impacts avoided? If these species were observed, was date, time, species, location, and behavior noted?

N/A

No

Yes

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

	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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)?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	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?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1p. 9. Within U.S. Army-owned land, control measures for invasive species conformed to guidelines in the Integrated Natural Resource Management Plan (INRMP) Presidio of Monterey and Ord Military Community (e.g., Section 9.2.4, Undesirable Plant Pests)?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes

MM 4.6-4 - TREE ORDINANCES

4.6-4. COMPLIANCE WITH LOCAL TREE ORDINANCES

4.6-4. 1. Was a comprehensive survey within the project footprint performed to identify, measure, and map trees subject to local tree removal ordinances at least 30 days prior to start of planned ground disturbance or tree removal?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-4. 2. Were trees subject to local tree removal ordinances avoided to the extent practicable?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-4. 3. If tree removal cannot be avoided, were all applicable local tree policies or ordinances followed, appropriate tree removal permits obtained from applicable local agencies, and compliance with those permits maintained?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-4. 4. Was tree removal, preservation, or mitigation on Army property performed in accordance with the Integrated Natural Resource Management Plan Presidio of	<input checked="" type="checkbox"/>	N/A

Monterey and Ord Military Community (November, 2008)?

No
 Yes

Sensitive Species Observation

Sensitive species observed?

No
 Yes

Notes

Seaside Non Bio Construction Checklist - Phase 1 v1

Project	Construction Phase 1 - Seaside
ID	62005
Survey Date	11/04/2019
User	Nivedha Baskarapandian

General Information

Project Name	CAIAm Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	
Company Name	<input checked="" type="checkbox"/> AECOM <input type="checkbox"/> DDA
Monitor Name	Nivedha Baskarapandian
Time In	07:00 AM
Time Out	04:45 PM

Weather

Start Temperature (F)	
Start Cloud Cover (%)	
Start Wind Speed (mph)	
End Temperature (F)	
End Cloud Cover (%)	
End Wind Speed (mph)	

Detailed Monitoring Activity

Construction Activities Monitored	<input checked="" type="checkbox"/> Backfilling <input type="checkbox"/> BMP installation or maintenance <input checked="" type="checkbox"/> Brushing or clearing <input type="checkbox"/> Concrete pouring <input type="checkbox"/> Conduit installation <input type="checkbox"/> Demolition <input checked="" type="checkbox"/> Excavation <input type="checkbox"/> Fencing <input type="checkbox"/> Foundation installation
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- Grading
- Jack-and-bore construction
- Other
- Paving
- Pole installation
- Pole top work
- Restoration
- Retaining wall installation
- Staging yard operations
- Structure removal
- Trenching
- Vault installation
- Vegetation maintenance

Log of Monitoring Activities

All activities were compliant.

General Project Site Photo(s)

None

General Traffic MM 4.9-1

MM 4.9-1 TRAFFIC CONTROL AND SAFETY ASSURANCE PLAN

4.9-1. 1. Have circulation and detour plans have been developed to minimize impacts on local streets?

- N/A
- No
- Yes

4.9-1. 2. Have periodic onsite inspections occurred to control and monitor construction vehicle movements by enforcing standard construction specifications?

- N/A
- No
- Yes

4.9-1. 3. Has traffic control devices been installed where traffic conditions warrant, as specified in the applicable jurisdiction's standards (e.g., the California Manual of Uniform Traffic Controls for Construction and Maintenance Work Zones)?

- N/A
- No
- Yes

4.9-1. 4. Have truck trips been scheduled outside of peak morning and evening commute hours to minimize adverse impacts on traffic flow (i.e., if agencies with jurisdiction over the affected roads identify highly congested roadway segments during their review of the encroachment permit applications)?

- N/A
- No
- Yes

4.9-1. 5. Have detour signs been posted along affected roadways to notify motorists of alternative routes?

- N/A
- No
- Yes

4.9-1. 6. Has construction work been performed that crosses on-street and off-street bikeways, sidewalks, and other walkways in a manner that allows for safe access for bicyclists and pedestrians. Alternatively, provide safe detours to reroute affected bicycle/pedestrian traffic?

- N/A
- No

	<input checked="" type="checkbox"/>	Yes
4.9-1. 7. Has signage been posted at least two weeks prior to construction along all potentially affected recreational trails and coastal access point; Class I, II, and III bicycle routes; and pedestrian pathways, including the Monterey Peninsula Recreational Trail, to warn bicyclists and pedestrians of construction activities?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.9-1. 8. Has CalAm and its contractors scheduled construction activities to minimize impacts during heavy recreational use periods (e.g., weekends and holidays)?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.9-1. 9. Has a public information program been implemented to notify motorists, bicyclists, nearby residents, and adjacent businesses of the impending construction activities (e.g., media coverage, email notices, websites, etc.)?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.9-1. 10. Have non-jurisdictional parties (e.g., CEMEX), been consulted as appropriate, regarding strategies for reducing increased traffic on roads that would provide access to construction work areas?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.9-1. 11. Have all equipment and materials been stored in designated contractor staging areas?	<input type="checkbox"/>	N/A
	<input checked="" type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.9-1. 12. Has one-way traffic flow been maintained past the construction zone where possible?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.9-1. 13. Have detour signs been installed to direct traffic to alternative routes around the closed road segment if alternate one-way traffic flow cannot be maintained past the construction zone?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.9-1. 14. Have lane closures been limited during peak hours?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.9-1. 15. Have roads and streets been restored to normal operation by covering trenches with steel plates outside of normal work hours or when work is not in progress?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.9-1. 16. Have roadside safety protocols been complied with to reduce the risk of accidents? Including to provide "Road Work Ahead" warning signs and speed control (including signs informing drivers of state-legislated double fines for speed infractions in a construction zone) to achieve required speed reductions for safe traffic flow through the work zone. Train construction personnel to apply appropriate safety measures as described in the traffic control and safety assurance plan.	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.9-1. 17. Has access been maintained for emergency vehicles at all times?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.9-1. 18. If construction is the vicinity of a school, has truck trips through designated school zones during the school drop-off and pickup hours been avoided to the extent	<input type="checkbox"/>	N/A

feasible?

- No
- Yes

4.9-1. 19. If construction is the vicinity of a school, have flaggers been provided in school areas at street crossings to manage traffic flow and maintain traffic safety during the school drop-off and pickup hours on days when pipeline installation would occur in designated school zones?

- N/A
- No
- Yes

4.9-1. 20. If construction is the vicinity of a school, has Coordination with Monterey-Salinas Transit occurred so the transit provider can temporarily relocate bus routes or bus stops in work zones as deemed necessary?

- N/A
- No
- Yes

Fugitive Dust MM 4.10-1c

MM 4.10-1C. CONSTRUCTION FUGITIVE DUST CONTROL PLAN

4.10-1c 1. Have all active construction areas been watered at least three times daily?

- N/A
- No
- Yes

4.10-1c 2. Have all trucks hauling soil, sand, and other loose materials been covered and maintain at least 2 feet of freeboard?

- N/A
- No
- Yes

4.10-1c 3. Has water or (non-toxic) soil stabilizers been applied three times daily on unpaved access roads, parking areas, and staging areas at construction sites?

- N/A
- No
- Yes

4.10-1c 4. Has daily sweeping occurred (with water sweepers) on all paved access roads, parking areas, and staging areas at construction sites and if visible soil material is carried on adjacent streets?

- N/A
- No
- Yes

4.10-1c 5. Has Hydroseed or (non-toxic) soil stabilizers been applied to inactive construction areas (previously graded areas inactive for 10 days or more)?

- N/A
- No
- Yes

4.10-1c 6. Have stockpiles (dirt, sand, etc.) been enclosed, covered, or watered twice daily?

- N/A
- No
- Yes

4.10-1c 7. Have traffic speeds been limited to 15 miles per hour on unpaved roads?

- N/A
- No
- Yes

4.10-1c 8. Have sandbags or other erosion control measures been installed to prevent silt runoff to public roadways?

- N/A
- No
- Yes

4.10-1c 9. Have native, drought-tolerant vegetation been replanted in disturbed areas as quickly as possible?

- N/A

No
 Yes

4.10-1c 10. Have wheel washers been installed and used by truck operators at the exits of the construction sites to the MPWSP Desalination Plant, the slant wells, and the ASR well facilities?

N/A
 No
 Yes

4.10-1c 11. Has a publicly visible sign been posted that specifies the telephone number and person to contact regarding dust complaints. This person shall respond to complaints and take corrective action within 48 hours. The phone number of the Monterey Bay Unified Air Pollution Control District (MBUAPCD) shall also be visible to ensure compliance with MBUAPCD rules.

N/A
 No
 Yes

Emission Reductions MM 4.11-1

MM 4.11-1 GHG EMISSIONS REDUCTIONS PLAN

4.11-1

N/A
 No
 Yes

Accident Safeguard MM 4.13-1c

MM 4.13-1C SAFEGUARD EMPLOYEES FROM POTENTIAL ACCIDENTS RELATED TO UNDERGROUND UTILITIES

4.13-1c

N/A
 No
 Yes

Clean Construction Site MM 4.14-1

MM 4.14-1 MAINTAIN CLEAN AND ORDERLY CONSTRUCTION SITES

4.14-1 1. Have staging and construction areas been kept clean and inconspicuous as practicable by storing construction materials and equipment at the proposed construction staging areas or in areas that are generally away from public view when not in use, and by removing construction debris promptly at regular intervals?

N/A
 No
 Yes

NON COMPLIANCE REPORTING

Non-Compliance Incident

Preparer's Name, Title, and Organization

Measure Number

Incident Date

10/14/2019

Incident Time

09:00 AM

Incident Start Date

09/24/2019

Resolution Date

Resolution Time

Incident Summary

Notes

General Photos



Excavator backed into the median on Lightfighter. Curb and vegetation were affected



Old stormwater drain was placed



New stormwater drain

Attach Additional Document(s)

None

Seaside Non Bio Construction Checklist - Phase 1 v1

Project	Construction Phase 1 - Seaside
ID	62447
Survey Date	11/08/2019
User	Nivedha Baskarapandian

General Information

Project Name	CAI Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	
Company Name	<input checked="" type="checkbox"/> AECOM <input type="checkbox"/> DDA
Monitor Name	Nivedha Baskarapandian
Time In	07:00 AM
Time Out	04:45 PM

Weather

Start Temperature (F)	
Start Cloud Cover (%)	
Start Wind Speed (mph)	
End Temperature (F)	
End Cloud Cover (%)	
End Wind Speed (mph)	

Detailed Monitoring Activity

Construction Activities Monitored	<input checked="" type="checkbox"/> Backfilling <input type="checkbox"/> BMP installation or maintenance <input checked="" type="checkbox"/> Brushing or clearing <input type="checkbox"/> Concrete pouring <input type="checkbox"/> Conduit installation <input type="checkbox"/> Demolition <input checked="" type="checkbox"/> Excavation <input type="checkbox"/> Fencing <input type="checkbox"/> Foundation installation <input type="checkbox"/> Grading <input type="checkbox"/> Jack-and-bore construction <input type="checkbox"/> Other <input type="checkbox"/> Paving
-----------------------------------	--

- Pole installation
- Pole top work
- Restoration
- Retaining wall installation
- Staging yard operations
- Structure removal
- Trenching
- Vault installation
- Vegetation maintenance

Log of Monitoring Activities

All activities were compliant.

General Project Site Photo(s)

None

General Traffic MM 4.9-1

MM 4.9-1 TRAFFIC CONTROL AND SAFETY ASSURANCE PLAN

4.9-1. 1. Have circulation and detour plans have been developed to minimize impacts on local streets?

- N/A
- No
- Yes

4.9-1. 2. Have periodic onsite inspections occurred to control and monitor construction vehicle movements by enforcing standard construction specifications?

- N/A
- No
- Yes

4.9-1. 3. Has traffic control devices been installed where traffic conditions warrant, as specified in the applicable jurisdiction's standards (e.g., the California Manual of Uniform Traffic Controls for Construction and Maintenance Work Zones)?

- N/A
- No
- Yes

4.9-1. 4. Have truck trips been scheduled outside of peak morning and evening commute hours to minimize adverse impacts on traffic flow (i.e., if agencies with jurisdiction over the affected roads identify highly congested roadway segments during their review of the encroachment permit applications)?

- N/A
- No
- Yes

4.9-1. 5. Have detour signs been posted along affected roadways to notify motorists of alternative routes?

- N/A
- No
- Yes

4.9-1. 6. Has construction work been performed that crosses on-street and off-street bikeways, sidewalks, and other walkways in a manner that allows for safe access for bicyclists and pedestrians. Alternatively, provide safe detours to reroute affected bicycle/pedestrian traffic?

- N/A
- No
- Yes

4.9-1. 7. Has signage been posted at least two weeks prior to construction along all potentially affected recreational trails and coastal access point; Class I, II, and III bicycle routes; and pedestrian pathways, including the Monterey Peninsula Recreational Trail, to warn bicyclists and pedestrians of construction activities?

- N/A
- No
- Yes

4.9-1. 8. Has CalAm and its contractors scheduled construction activities to minimize impacts during heavy recreational use periods (e.g., weekends and holidays)?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.9-1. 9. Has a public information program been implemented to notify motorists, bicyclists, nearby residents, and adjacent businesses of the impending construction activities (e.g., media coverage, email notices, websites, etc.)?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.9-1. 10. Have non-jurisdictional parties (e.g., CEMEX), been consulted as appropriate, regarding strategies for reducing increased traffic on roads that would provide access to construction work areas?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.9-1. 11. Have all equipment and materials been stored in designated contractor staging areas?	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No
	<input type="checkbox"/> Yes
4.9-1. 12. Has one-way traffic flow been maintained past the construction zone where possible?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.9-1. 13. Have detour signs been installed to direct traffic to alternative routes around the closed road segment if alternate one-way traffic flow cannot be maintained past the construction zone?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.9-1. 14. Have lane closures been limited during peak hours?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.9-1. 15. Have roads and streets been restored to normal operation by covering trenches with steel plates outside of normal work hours or when work is not in progress?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.9-1. 16. Have roadside safety protocols been complied with to reduce the risk of accidents? Including to provide "Road Work Ahead" warning signs and speed control (including signs informing drivers of state-legislated double fines for speed infractions in a construction zone) to achieve required speed reductions for safe traffic flow through the work zone. Train construction personnel to apply appropriate safety measures as described in the traffic control and safety assurance plan.	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.9-1. 17. Has access been maintained for emergency vehicles at all times?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.9-1. 18. If construction is the vicinity of a school, has truck trips through designated school zones during the school drop-off and pickup hours been avoided to the extent feasible?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.9-1. 19. If construction is the vicinity of a school, have flaggers been provided in school areas at street crossings to manage traffic flow and maintain traffic safety during the school drop-off and pickup hours on days when pipeline installation would occur in designated school zones?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No

Yes

4.9-1. 20. If construction is in the vicinity of a school, has Coordination with Monterey-Salinas Transit occurred so the transit provider can temporarily relocate bus routes or bus stops in work zones as deemed necessary?

N/A

No

Yes

Fugitive Dust MM 4.10-1c

MM 4.10-1C. CONSTRUCTION FUGITIVE DUST CONTROL PLAN

4.10-1c 1. Have all active construction areas been watered at least three times daily?

N/A

No

Yes

4.10-1c 2. Have all trucks hauling soil, sand, and other loose materials been covered and maintain at least 2 feet of freeboard?

N/A

No

Yes

4.10-1c 3. Has water or (non-toxic) soil stabilizers been applied three times daily on unpaved access roads, parking areas, and staging areas at construction sites?

N/A

No

Yes

4.10-1c 4. Has daily sweeping occurred (with water sweepers) on all paved access roads, parking areas, and staging areas at construction sites and if visible soil material is carried on adjacent streets?

N/A

No

Yes

4.10-1c 5. Has Hydroseed or (non-toxic) soil stabilizers been applied to inactive construction areas (previously graded areas inactive for 10 days or more)?

N/A

No

Yes

4.10-1c 6. Have stockpiles (dirt, sand, etc.) been enclosed, covered, or watered twice daily?

N/A

No

Yes

4.10-1c 7. Have traffic speeds been limited to 15 miles per hour on unpaved roads?

N/A

No

Yes

4.10-1c 8. Have sandbags or other erosion control measures been installed to prevent silt runoff to public roadways?

N/A

No

Yes

4.10-1c 9. Have native, drought-tolerant vegetation been replanted in disturbed areas as quickly as possible?

N/A

No

Yes

4.10-1c 10. Have wheel washers been installed and used by truck operators at the exits of the construction sites to the MPWSP Desalination Plant, the slant wells, and the ASR well facilities?

N/A

No

	<input checked="" type="checkbox"/>	Yes
4.10-1c 11. Has a publicly visible sign been posted that specifies the telephone number and person to contact regarding dust complaints. This person shall respond to complaints and take corrective action within 48 hours. The phone number of the Monterey Bay Unified Air Pollution Control District (MBUAPCD) shall also be visible to ensure compliance with MBUAPCD rules.	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes

Emission Reductions MM 4.11-1

MM 4.11-1 GHG EMISSIONS REDUCTIONS PLAN

4.11-1	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes

Accident Safeguard MM 4.13-1c

MM 4.13-1C SAFEGUARD EMPLOYEES FROM POTENTIAL ACCIDENTS RELATED TO UNDERGROUND UTILITIES

4.13-1c	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes

Clean Construction Site MM 4.14-1

MM 4.14-1 MAINTAIN CLEAN AND ORDERLY CONSTRUCTION SITES

4.14-1 1. Have staging and construction areas been kept clean and inconspicuous as practicable by storing construction materials and equipment at the proposed construction staging areas or in areas that are generally away from public view when not in use, and by removing construction debris promptly at regular intervals?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes

NON COMPLIANCE REPORTING

Non-Compliance Incident

Preparer's Name, Title, and Organization	
Measure Number	
Incident Date	10/14/2019
Incident Time	09:00 AM
Incident Start Date	09/24/2019
Resolution Date	
Resolution Time	
Incident Summary	
Corrective Actions	Pending approval
Attached Photo(s)	None

Notes slurry end STA 8+84

General Photos



Start of slurry backfill at STA 7+69

Attach Additional Document(s)

None

APPENDIX B

CPUC Inspection Logs

Monterey Peninsula Water Supply Project (MPWSP)

Daily Monitoring Log

Date: 11/07/2019

Time: 09:00 – 11:00

Report Code: MPWSP_20191107_sd

Project Site: Treated Water Pipeline within City of Seaside Roadways

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:

- Garney Construction excavating trench, installing trench plates, installing pipeline, and backfilling on intersection of General Jim Moore Blvd and Lightfighter Drive.
- Garney Construction removing equipment from work site.

General Summary of Mitigation Compliance and Site Conditions:

- CalAm monitors onsite.
- Level 1 (Minor) Issues:
 - ESA CPUC monitor noted that a few pieces of pipe were being stored in the median on Lightfighter. Two pieces of pipe were in vegetation (shrubs). Rare plants were flagged and not disturbed. The ESA monitor discussed moving the pipe into the road with the CalAm monitor, and the issue was addressed the same day.
 - Earlier in the week, a Garney Construction equipment operator struck a gas line. PGE was notified immediately and the issue was resolved the same day with no impacts to resources.
- Traffic control directing traffic on Lightfighter Drive and General Jim Moore Blvd.

Sharon Dulava
ESA Monitor

11/07/2019
Date



Photo 1. Trench excavation on Lightfighter Drive



Photo 2. Pin flags marketing sensitive plants in Lightfighter Drive median



Photo 3. Pipes being staged in median on Lightfighter Drive



Photo 4. Straw wattle in place at Mescal spoils site