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memorandum

date March 23, 2020

to John Forsythe, AICP

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

from Sharon Dulava (ESA)

subject MPWSP – Ryan Ranch – Bishop Interconnection Project Weekly Report (03/16/2020 –

03/20/2020)

Construction Activities

Construction activities occurred on Lower Ragsdale Drive during the week of 3/16/2020 - 3/20/2020. Construction activities consisted of excavation and installation of 8-inch pipe on Lower Ragsdale Drive and were conducted by Monterey Peninsula Engineering (MPE). 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

Denise Duffy & Associates (CalAm monitors) were on site for compliance monitoring.

All work is restricted to existing roadways. All storm drains were protected with sand bags and mesh. MPE conducted regular street sweeping.

Excavated spoils are being off hauled. New fill is being delivered throughout the day. All trucks were observed covering their loads.

Special status species plants (i.e., *Horkelia cuneata ssp.*) have been flagged along the entire construction area. In accordance with Mitigation Measures 4.6-1i, 4.6-1j, and 4.6-1k, CalAm monitors surveyed sections of the alignment ahead of construction daily for nesting birds, Monterey dusky-footed woodrat, and American badger. No sign of American badger, or additional woodrat nests were reported for the period between 3/16/2020 and 3/20/2020. CalAm monitors established a behavioral baseline for a known active bushtit nest, located in an oak tree growing along Wilson Road (near Station 38+49), and continued to monitor for any behavioral changes resulting from project activities.

Compliance Issues and Resolutions

No compliance issues were noted by CPUC or CalAm monitors during the week of 03/16/2020 - 03/20/2020. Following the rupture of a water conduit in the pipeline alignment, CalAm monitors confirmed that BMP measures on stormwater drains remained intact.

Photographs:



Photo 1. MPE excavation of pipeline trench on Lower Ragsdale Drive.



Photo 2. Fill material temporarily stockpiled on Lower Ragsdale Drive



Photo 3. Silt fence surrounding staging area



Photo 4. Tree protection at staging area

APPENDIX A

CalAm Weekly Report



DATE: March 20, 2020

TO: Cory Barringhaus, Environmental Science Associates (ESA)

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

CC: Even Holmboe, ESA

Sharon Dulava, ESA Tyler Potter, DD&A

RE: MPWSP Construction Biological Monitoring Report

Denise Duffy & Associates, Inc. (DD&A) is contracted with AECOM to provide biological monitoring support for the California American Water Company (CalAm) Monterey Peninsula Water Supply Project (MPWSP). Biological monitoring includes providing environmental guidance to construction personnel and ensuring the project remains in compliance with the Mitigation, Monitoring, Compliance, and Reporting Program (MMCRP).

This report summarizes the results of monitoring for the week of

Project/Component:	Work Location:	
Ryan Ranch – Bishop Interconnection Project	Ragsdale Drive. Lower Ragsdale Drive, Wilson	
	Road, York Road, and Staging Area	
Monitoring Period:	Project Completion Status:	
3/13/2020 - 3/19/2020	4,724 Linear Feet of Pipeline Installation	
Construction Contractors/Personnel:	Biological Lead:	
Monterey Peninsula Engineering	M. Johnson	
Biological Monitors:	Days on Site:	
P. Krabacher, M. Hofmarcher	3/13, 3/16, 3/17, 3/18, 3/19	

Biological Surveys:	WEAT Training:
Nesting Birds, Nesting Bird Behavioral	No
Baseline, American Badger, Monterey Dusky-	
Footed Woodrat (MDFW)Nests	
New Sensitive Resources:	SWPPP Corrective Actions/Maintenance:
No	Yes
Encountered Special-Status Species:	Hazardous Spills:
No	No
Relocated Plants or Wildlife:	Compliance Issues:

No	No
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Summary of Construction Activities

This section is intended to provide a brief summary of daily construction progress. For a more detailed description of construction activities please refer to the daily logs prepared by CalAm's Inspector.

- **3/13/2020**
 - Pipeline installation from Station 35+51 to Station 38+39.
 - 343 linear feet of pipeline installation, 4,218 total feet of pipeline installation.
- **3/16/2020**
 - No construction on site, no installation of pipeline due to rain.
 - 0 linear feet of pipeline installation, 4,218 total feet of pipeline installation.
- **3/17/2020**
 - No construction on site, no installation of pipeline due to rain.
 - 0 linear feet of pipeline installation, 4,218 total feet of pipeline installation.
- **3/18/2020**
 - Pipeline installation from Station 38+39 to Station 41.82.
 - 284 linear feet of pipeline installation, 4,502 total feet of pipeline installation.
- **3/19/2020**
 - Pipeline installation from Station 41.82 to Station 44.03.
 - 222 linear feet of pipeline installation, 4,724 total feet of pipeline installation.

Summary of Monitoring Activities

- **3**/13/2020
 - Conducted wildlife clearance survey on all vehicles and equipment at staging area and on alignment.
 - Walked alignment and staging area during construction activities and conducted daily monitoring requirements per MM 4.6-1c.
 - Conducted surveys for nesting birds, MDFW nests, and American badger dens along pipeline alignment from Ragsdale Drive Station 10+00 to Station 22+66 (end of alignment at Blue Larkspur Land and Citation Court) and in/around staging area from 0700 to 1030.
 - Confirmed continued usage of hazardous spill protective measures under vehicles and equipment at end of day.
 - Photographed and recorded monitoring activities.
- **3/16/2020**
 - Confirmed no active construction due to rain event.
 - Confirmed BMP measures on stormwater drains installed.
 - Confirmed that BMP measures on stormwater drains were cleared of silt and leaf litter.
 - Conducted surveys for nesting birds, MDFW nests, and American badger dens along pipeline alignment from Ragsdale Drive Station 10+00 to Station 22+66 (end of alignment at Blue Larkspur Land and Citation Court) and in/around staging area from 0700 to 0900.
 - Photographed and recorded monitoring activities.
- **3/17/2020**
 - Confirmed no active construction due to rain event.
 - Confirmed BMP measures on stormwater drains remain in place.
 - Confirmed that BMP measures on stormwater drains were cleared of silt and leaf litter.

- Conducted surveys for nesting birds, MDFW nests, and American badger dens along pipeline alignment from Ragsdale Drive Station 10+00 to Station 22+66 (end of alignment at Blue Larkspur Land and Citation Court) and in/around staging area from 0700 to 1100.
- Photographed and recorded monitoring activities.

3/18/2020

- Conducted wildlife clearance survey on all vehicles and equipment at staging area and on alignment.
- Walked alignment and staging area during construction activities and conducted daily monitoring requirements per MM 4.6-1c.
- Conducted nest monitoring of active bushtit (*Psaltriparus minimus*) nest at Station 38+49, northeast of Wilson Road from 0645 1615 per MM 4.6-1i.
 - Established behavioral baseline.
 - Observed activities included gathering of nesting materials, entering and exiting nest, and calling from nearby coast live oak trees (*Quercus agrifolia*).
 - Biological monitors will continue to monitor nest for any behavioral changes as a result of the project.
- Photographed and recorded monitoring activities.

3/19/2020

- Conducted wildlife clearance survey on all vehicles and equipment at staging area and on alignment.
- Walked alignment and staging area during construction activities and conducted daily monitoring requirements per MM 4.6-1c.
- Conducted surveys for nesting birds, MDFW nests, and American badger dens along pipeline alignment from Ragsdale Drive Station 10+00 to Station 22+66 (end of alignment at Blue Larkspur Land and Citation Court) and in/around staging area from 0800 to 1345.
- Continued to conduct nest monitoring of active bushtit nest at Station 38+49, northeast of Wilson Road from 0900 – 1000 per MM 4.6-1i.
- Confirmed that BMP measures on stormwater drains remained intact following rupture of water conduit in pipeline alignment.
- Photographed and recorded monitoring activities.

Environmental Compliance Issues

DD&A did not observe any compliance issues during this monitoring period.

Recommendations

No adaptive management or mitigation is required.

Attachments

- Daily Monitoring Logs
- Site Photos

Daily Monitoring Logs

MPWSP Ryan Ranch-Bishop Interconnection Daily Log Report

Location: Ryan Runch. Lower Ruysdake Date: 3/13/2020 Time On-Site: 7:00

Monitoring Personnel: M. Hop marcher On-Site Construction Personnel: NR Notes **Daily Monitoring Requirements** Prior to movements on-site, inspect the ground beneath vehicles and equipment prior allow any wildlife identified to move on its own. Verify that all installed fencing, staking, flagging, and signage is in place and is in properly maintained condition. Verify vehicle speeds within the project do not not exceed 15 miles per hour on roads within the sites. Verify that all stockpiled materials are within the paved roadways and staging area in the construction footprint boundary. Verify that construction activities are confined to the existing road rights-of-way and that standard BMPs (e.g., setbacks and use of silt fences and fiber rolls) are being implemented Verify that fueling of construction equipment occurs off-site. If fueling must occur onsite, to prevent loss of habitat. verify that fueling occurs at least 50 feet from drainages and native habitats. Evaluate the construction area for the introduction of exotic species and, if necessary, require the contractor to clean or otherwise remove the suspected material to the satisfaction of the CalAm Site Supervisor or their designee. If straw materials are required for erosion control, verify that only weed-free straw is used. Verify that any vegetation control measures are performed using only mechanical means under the supervision of the Lead Biologist and the CalAm Site Verify that special-status plant species are flagged for avoidance, and that flagging remains If special-status wildlife species are found on the site immediately prior to construction or during project construction, stop construction activities in the vicinity of the animal until the animal moves on its own (if possible, as determined by the Lead Biologist or biological Verify that all excavated holes or trenches are covered at the end of each day, or escape ramps for wildlife provided in accordance with the Lead Biologist or CalAm Field Supervisor. Prior to the filling of such holes or trenches, thoroughly inspect them for trapped animals and, if necessary, verify that escape ramps are installed to allow escape. If listed species are trapped, they will be relocated with authorization from the USFWS and/or Verify that 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 are 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 will not be moved without approval from the appropriate resource agency. 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 Observe and confirm all vertical tubes used in project construction, such as chain link escaped. fencing poles or signage mounts, are or permanently capped at the time they are installed to avoid the entrapment and death of special-status birds. Yerify that water used for dust abatement is minimized so that common ravens and other predators are not attracted to the work area. Verify that any hazardous spills are immediately cleaned up and the contaminated soil is properly disposed of at a licensed facility. Verify that trash and food items are contained in closed containers and removed from the construction site daily. Verify that intentional killing or collection of wildlife species by project workers, including special-status species in the project area and surrounding areas, does not occur.

Monitoring Activities:	
0700. arrived on site à decred equipment à vehicles at Staying over à en alignment	
5745-1030 bottled conducted surveys for nesting birds America abadge & AMFW nosts from Rugsdale Sta 10+00 to end of alrega	mont
1030-1200 monitored pipe ne installation	
1336 crew paving roodway in prep Por weekenst	
1400. Monitored minimal usage offer water for street sweep	me_
1645. con completed work for due confirmed useage of hazardous spill protection (pads) under equipment	
Corrective Actions (If Any):	

MPWSP Ryan Ranch-Bishop Interconnection Daily Log Report

	Date: 3/18/20 Time On-Site: 6:30 - 4:45 Lo	cation: Wilson Rd/Lower Ragsdale/Staging Are
)	Monitoring Personnel: P. Krabacher	
	On-Site Construction Personnel: MPE, TMT, Gorde	^

	Daily Monitoring Requirements	Notes
	Prior to movements on-site, inspect the ground beneath vehicles and equipment prior allow any wildlife identified to move on its own.	
	Verify that all installed fencing, staking, flagging, and signage is in place and is in properly maintained condition.	
V /-	Verify vehicle speeds within the project do not not exceed 15 miles per hour on roads	
V	Within the sites. Verify that all stockpiled materials are within the paved roadways and staging area in the	
1	construction footprint boundary.	
1.	Verify that construction activities are confined to the existing road rights-of-way and that standard BMPs (e.g., setbacks and use of silt fences and fiber rolls) are being implemented to prevent loss of habitat.	
V	Verify that fueling of construction equipment occurs off-site. If fueling must occur offste, verify that fueling occurs at least 50 feet from drainages and native habitats.	
	Evaluate the construction area for the introduction of exotic species and, if necessary, require the contractor to clean or otherwise remove the suspected material to the satisfaction of the CalAm Site Supervisor or their designee. If straw materials are required for erosion control, verify that only weed-free straw is used.	
	Verify that any vegetation control measures are performed using only mechanical means under the supervision of the Lead Biologist and the CalAm Site	
1	Verify that special-status plant species are flagged for avoidance, and that magging remains	
/	If special-status wildlife species are found on the site immediately prior to construction of during project construction, stop construction activities in the vicinity of the animal until the animal moves on its own (if possible, as determined by the Lead Biologist or biological	
1.	Verify that all excavated holes or trenches are covered at the end of cach day, or each ramps for wildlife provided in accordance with the Lead Biologist or CalAm Field ramps for wildlife provided in accordance with the Lead Biologist or CalAm Field Supervisor. Prior to the filling of such holes or trenches, thoroughly inspect them for trapped animals and, if necessary, verify that escape ramps are installed to allow escape. If trapped species are trapped, they will be relocated with authorization from the USFWS and/or listed species are trapped, they will be relocated with authorization from the USFWS and/or	
	CDFW, as may be applicable. Verify that 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 are 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 will not be moved without approval from the appropriate resource agency. If necessary, under the direct supervision of the qualified biologist, the pipe may agency. If necessary, under the direct supervision activity until the animal has	r e, e
	be moved once to remove it from the path of construction activity and a schain line escaped.	nk
V	Observe and confirm all vertical tubes used in project conditions, are or permanently capped at the time they are installed to avoid the entrapment and death of special-status birds. Verify that water used for dust abatement is minimized so that common ravens and other terms.	
/	predators are not attracted to the work area.	
1	Verify that any hazardous spills are immediately cleaned up and the contaminated soil properly disposed of at a licensed facility.	
1	Verify that trash and food items are contained in closed containers and removed from to construction site daily.	
1	Verify that intentional killing or collection of wildlife species by project workers, including special-status species in the project area and surrounding areas, does not occur.	ing

	Monitoring Activities: Pipeline monitoring 6:30 Conducted Clearance Survey of an equipment at staging area
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	2:25 Clearance Survey of all 1 - no reasolate
	in allahation of pipelin alam laure Kascak
→ →	- Live behave some some some some some some some som
interens	weather: 45-56
	6:50 Set 100 Scale 1
	6:50 Set up scope and began to monitor nest
	6:50-7:40 No activity on nest
	7:40 Adult left nest
	8:01 Adult back in nest with nesting martenials
	8:30 Adult left nest
-	7'05 Pris at adults
	9:05 Pair of adults arrived at the nest with nesting materials
-	7:10 One Adult left nest other Still inside nest
-	THE THE STATE OF T
-	9:13 Other Adult left nest, nest is currently Vacant
-	7:32 Both Adults back in nest with nesting materials
-	3:42 One Adult on oak tree (neighboring oak tree) carring
9	:50 Pair of bustits now born out of rest on neighborring Artemessia
11	130 followed Adults to near by oak tree, both gathering mething materials 100 Adult Photographed via Scope with phone corrective Actions 617 Annihit in nest, building
-	: 27 Adult left pest, nest currently Vacant
17	2:00 One Adult book at rest and brought mesting matrials
Ē.	both Bushtits back at rest building
1	53 Both Bustits left nest, nest is vacant
2:	30 Both Bustists back at rest building
	00 One Adult left rest
3:	00 one man
3:	5 observed both Adults gathering rusting materials on ninboring back the

MPWSP Ryan Ranch-Bishop Interconnection Daily Log Report

Date: 3/1°	7/20 Time On-Site: 7 - 4 St	Ragedale/wilson ld/ aging Avea
Monitoring	Personnel: P. Krobachet	
On-Site Co	onstruction Personnel: ME TMT Gorden	
Notes		
	Dogwirements	
	Prior to movements on-site, inspect the ground beneath vehicles and equipment prior Prior to movements on-site, inspect the ground beneath vehicles and equipment prior Prior to movements on-site, inspect the ground beneath vehicles and equipment prior	
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	tion and rights-of-way and man	
/	Verify that construction activities are confined to the existing road rights-of-way and that standard BMPs (e.g., setbacks and use of silt fences and fiber rolls) are being implemented	
	standard BMPS (e.g., Scibacks and doc	
	Verify that fueling of construction equipment occurs on and native habitats.	
~	verify that fueling occurs at least 50 feet notice enecies and, if necessary,	
	Evaluate the construction area for the introduction of exour species and, require the contractor to clean or otherwise remove the suspected material to the require the contractor to clean or otherwise remove. If straw materials are required	
	for erosion control, verily that only weed here	
/	Verify that any vegetation control measures are performed using only mechanical means under the supervision of the Lead Biologist and the CalAm Site	
	Supervisor (also a qualified biologist).	
1	Verify that special-status plant species are flagged for a voidality	
	in place for the duration of the project.	
	If special-status wildlife species are found on the site immediately prior to during project construction, stop construction activities in the vicinity of the animal until during project construction, stop construction activities in the vicinity of the animal until during project construction, stop construction activities in the vicinity of the animal until during project construction, stop construction activities in the vicinity of the animal until during project construction, stop construction activities in the vicinity of the animal until during project construction, stop construction activities in the vicinity of the animal until during project construction, stop construction activities in the vicinity of the animal until during project construction, stop construction activities in the vicinity of the animal until during project construction, stop construction activities in the vicinity of the animal until during project construction.	
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	monitor) outside of the project area.	e la constant de la c
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	listed species are trapped, they will be relocated	
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V	construction site daily.	ding
	Verify that intentional killing or collection of wildlife species by project workers, inche special-status species in the project area and surrounding areas, does not occur.	luling
	total and surrounding areas, does not occur.	

Monitoring	g Activities:
700	Conducted clearace Survey of staying Area & Au equipment
730	Conducted cleerance survey of all equipment along lower Ragsable Rd
800	Surveyed for resting wildlife along wilson Rd
	asserved American Crow Mest and Bushfit nest
1000	Mondored installation of pipeline along lower Ragodale
1200	lunch
1300	Surveyed for nesting Wildlife along Ragsdale Rd
1345	ME hit waterman, ensured an BMPs were in place on storm Dailys
1645	left site
Corrective	Actions (If Any):
Corrective	Actions (i) Airy).

Site Photos



Photo 1. Hazardous spill protection under equipment on alignment. (3-13-2020)



Photo 2. Intact silt fencing surrounding staging area. (3-13-2020)



Photo 3. Secondary view of intact silt fencing surrounding staging area. (3-13-2020)



Photo 4. Intact silt fencing around staging area. (3-9-2020)



Photo 5. Scoped view of bushtit nest at Station 38+49 northeast of Wilson Road. (03-18-2020)

APPENDIX B

CPUC Inspection Logs



550 Kearny Street Suite 800 San Francisco, CA 94108 415.896.5900 main phone

Monterey Peninsula Water Supply Project (MPWSP)

Daily Monitoring Log

Date: 03/20/2020	Time: 08:45 – 09:45	
Report Code: MPWSP_20200312_sd		
Project Site: Ryan Ranch - Bishop Interconnection Imp	provements	
Compliance Level:		
Acceptable		
Compliance Advisory or Yes Non-Compliance form attached No	Photo Documentation Yes ⊠ No □	
Type of Monitoring:		
Full-time ☐ Spot-che Biological ⊠ Re-inspecti	<u> </u>	

Construction Activity(s) Being Monitored:

• Trenching and installation of 8-inch diameter pipeline on Lower Ragsdale Drive. Pipeline installation work being conducted by Monterey Peninsula Engineers (MPE).

General Summary of Mitigation Compliance and Site Conditions:

- Denise Duffy & Associates (CalAm monitors) on site for compliance monitoring.
- All work is restricted to existing roadways. All storm drains were protected with sand bags and mesh. MPE conducting regular street sweeping.
- Excavated spoils are being off hauled. New fill is being delivered throughout the day. All trucks covering their loads.
- Special status species plants (i.e., *Horkelia cuneata ssp.*) have been flagged along the entire construction area.
- Any woodrat middens along Lower Ragsdale Drive have been flagged to demarcate the area and prevent any construction related impacts to middens.
- The work staging and equipment staging area is located at an existing graveled area adjacent to the east side of York Road at Highway 68. Tree protection and silt fencing around the perimeter of the staging area are in good condition.
- No compliance issues were noted by ESA.
- CalAm monitors continued to monitor the following nests:
 - One crow nest in an oak tree on Lower Ragsdale



550 Kearny Street Suite 800 San Francisco, CA 94108 415.896.5900 main phone

- One crow nest in an oak tree near Wilson Pond
- One active bushtit nest in an oak tree growing along Wilson Road

Sharon Dulava
ESA Monitor

03/20/2020

Date



Photo 1. MPE excavation of pipeline trench on Lower Ragsdale Drive



Photo 3. Silt fence surrounding staging area



Photo 2. Fill material temporarily stockpiled on Lower Ragsdale Drive



Photo 4. Tree protection at staging area