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Global Environmental Specialists

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June 26, 2019

Andrew Barnsdale
Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Re: Monthly Report Summary #19 for the South Orange County Reliability Enhancement (SOCRE) Project

Dear Mr. Barnsdale:

This report provides a summary of the compliance monitoring activities that occurred during the period from **May 1 to 31, 2019**, for the South Orange County Reliability Enhancement (SOCRE) Project in Orange County, California. Compliance monitoring was performed four times between May 1 and 31, 2019, to ensure all project-related activities conducted by San Diego Gas and Electric (SDG&E) and its contractors were in compliance with the Final Environmental Impact Report (Final EIR) for the SOCRE Project, as adopted by the California Public Utilities Commission (CPUC) on December 15, 2016.

The CPUC has issued the following Notices to Proceed (NTPs) for the SOCRE Project to SDG&E:

- NTP #1 (October 13, 2017): Geotechnical investigation and hazardous materials abatement at the future San Juan Capistrano Substation.
- NTP #2 (December 18, 2017): Conduct site preparation activities and construction staging at the future San Juan Capistrano Substation.
- NTP #2 Addendum #1 (March 23, 2018): Modified alignment of the interior fence separating the upper and lower yards, removal of three de-energized 138-kilovolt (kV) rack structures, and associated hazardous materials abatement activities.
- NTP #3 (April 27, 2018): Rebuild and upgrade of the San Juan Capistrano Substation.
- NTP #4 (October 29, 2018): Transmission and Distribution Line Work.

The Ecology and Environment, Inc. (E & E) compliance monitoring team completed onsite compliance checks during this reporting period to verify compliance of ongoing site preparation and construction activities. The CPUC/E & E compliance monitoring team visited the San Juan Capistrano Substation site on May 7, 15, 20, and 29, 2019. E & E site inspection reports that summarize observed construction activities and compliance events, as applicable, and verify mitigation measures (MMs) and applicant proposed measures (APMs) were completed for the site visits. These reports are attached below (Attachment 1).

Project activities in May 2019 were covered under NTP #1, NTP #2, NTP #2 Addendum #1, NTP #3, NTP #4, Minor Project Refinement No. 1 (MPR-1), and MPR-1 Addendum #1. Construction activities during May 2019 took place within and adjacent to the San Juan Capistrano Substation site and included continuation of site preparation activities, inspections and surveys, and minor grading; tie line excavation and conduit installation at the 138 kV gas-insulated substation (GIS); excavation for the 138 kV GIS substation retaining wall footing, building and setting of the 138 kV retaining wall footing, building of the rebar for the 138 kV GIS retaining wall footing, and pouring concrete for the 138 kV GIS retaining wall footing; backfill and recompaction for the 138 kV GIS pad; assembling panels for the 138 kV GIS retaining wall; performing storm drain work within Camino Capistrano; and excavation for and installation of a modular wetland system south of the former utility structure.

In addition, SDG&E conducted routine inspection and maintenance activities between May 1 and 31, 2019. Inspection activities included weekly inspections of the San Juan Capistrano Substation boundary for cleanliness as well as weekly Stormwater Pollution Prevention Plan (SWPPP) inspections to ensure there were no best management practice (BMP) deficiencies or potential non-compliance incidents. Minor rain events (less than 0.25 inch) were documented on May 6, 10, 14, 16, 19, and 26. No deficiencies in SWPPP BMPs were observed or documented during May 2019.

Project compliance during the May 2019 monitoring period was achieved through regular communication with and reporting by SDG&E. Communication between the CPUC/E & E compliance team and SDG&E has been regular and effective. SDG&E's monthly environmental compliance report for May 2019 provides a compliance summary and includes a description of construction activities, a look-ahead construction schedule, a monthly biological monitoring report, a summary of compliance with project commitments (MMs/APMs), a summary of non-compliance incidents and public complaints (as applicable), a record of SOCRE Project personnel that received safety and environmental awareness training during the reporting month, and a list of upcoming or pending minor project refinements and outstanding agency deliverables.

Overall, the SOCRE Project has maintained compliance with the Mitigation Monitoring, Compliance, and Reporting Program (MMCRP) based on adherence to applicable MMs and APMs and satisfaction of pre-construction requirements and conditions of approval for NTP #1, NTP #2, NTP #2 Addendum 1, NTP #3, NTP #4, MPR #1, and MPR #1 Addendum #1.

Compliance Incidents

There were no compliance incidents during May 2019.

Public Concerns

No public complaints were received during May 2019.

Minor Approvals

There were no minor approvals in May 2019.

Sincerely,

Joseph Donaldson
CPUC Compliance Manager, Ecology and Environment, Inc.

cc: Richard Quasarano, Environmental Project Manager, SDG&E

ATTACHMENT 1

CPUC Site Inspection Reports

May 7, 15, 20, and 29, 2019

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement (SOCRE) Project	**Date:**	May 7, 2019
Project Proponent:	San Diego Gas & Electric (SDG&E)	**Report #:**	VS032
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	CPUC/Ecology and Environment (E & E) Compliance Monitor
CPUC PM:	Andrew Barnsdale, Energy Division	**AM/PM Weather:**	Overcast with slight drizzle, cool and breezy
CPUC CM (E & E):	Joe Donaldson	**Start/End Time:**	0730 to 0830
Project NTP(s):	NTP-1, NTP-2, NTP-2 Addendum 1, NTP-3, and NTP-4		

SITE INSPECTION CHECKLIST (Based on monitor's observations during site visit; responses do not imply that monitor observed all staff, crews, and parts of the project during this inspection)

Safety and Environmental Awareness Program (SEAP)	Yes	No	N/A
Is the SEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (BMPs) been installed?	X		
Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, dirt piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures are in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 mph on unpaved roads?	X		
Are observed vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are observed vehicles/equipment turned off when not in use?	X		
Work Areas	Yes	No	N/A
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?			X
Are observed vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		
Are excavations and trenches covered at the end of the day?	X		
Are wildlife escape ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		

Biology	Yes	No	N/A
Have preconstruction surveys been completed for biological (coastal California gnatcatcher, least Bell's vireo, southwestern will flycatcher, rare plants) resources, as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?			X
Have wildlife been relocated from work areas? If yes, describe below.		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)? If yes, describe below.		X	
Were any threatened or endangered species observed? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts on these features?			X
Have there been any work stoppages for biological resources? If yes, describe below.		X	
Cultural and Paleontological Resources	Yes	No	N/A
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?			X
Are archaeological and paleontological monitors onsite if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?			X
Have there been any work stoppages for cultural/paleo resources? If yes, describe below.		X	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used on site properly managed?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are required fire prevention and control measures in place?	X		
Are contaminated soils properly managed for onsite storage or offsite disposal?	X		
Work Hours and Noise	Yes	No	N/A
Are required night lighting reduction measures in place?			X
Is construction occurring within approved hours?	X		
Are required noise control measures in place?	X		

AREAS MONITORED (i.e., structure numbers, yards, or substations)

San Juan Capistrano Substation

DESCRIPTION OF OBSERVED ACTIVITIES (i.e., mitigation measures of particular focus or concern, construction activity, any discussions with first-party monitors or construction crews)

I arrived at the San Juan Capistrano Substation site at 0730 and met with the SDG&E Environmental Coordinator. Maintaining safety has been an important focus during the project and I spoke briefly with the onsite Safety Inspector.

Two concrete washout bins located near the western wall were well contained (Photo 1). The SDG&E Environmental Coordinator said 15 concrete trucks were onsite the day prior to my site visit to pour a portion of the 138-kilovolt (kV) gas-insulated substation (GIS) building retaining wall foundation (Photo 2). Also on the prior day, crews used sweeper trucks to clean the public roadway because the site received a small amount of rain. The crews continued to use sweeper trucks to clean the roads on the day of my site visit.

Much of the work occurring at the San Juan Capistrano Substation site was focused on the retaining wall for the 138 kV GIS building. The western portion of the retaining wall foundation was poured the day prior to my site visit, and concrete forms were stockpiled onsite (Photo 4). Crews were working on the rebar and concrete forms for the northern and southern portions of the foundation (Photos 3 & 5). The SDG&E Environmental Coordinator said four additional contractor personnel received Safety and Environmental Awareness Program (SEAP) training.

Earthwork was occurring around the conduit that emerges within the 138 kV GIS building footprint. An excavator, bulldozer, and backhoe were being used to excavate and compact soil around the conduit pipe (Photo 6). A water truck was being used at this location to spray the soil to suppress dust and provide moisture for proper soil compaction (Photo 7).

The SDG&E Environmental Coordinator indicated that work on sealing the boundary walls would continue once the brick completely dried out.

MITIGATION MEASURES VERIFIED (Refer to MMCRP, e.g., MM BIO-5. Report only on MMs pertinent to your observations today)

All project personnel have been through the environmental training and have hardhat stickers (MM HAZ-3, MM CUL-1). See the mitigation measures (MMs) listed in the observed activities.

RECOMMENDED FOLLOW-UP (i.e., items to check on next visit, minor issues to resolve)

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance on-site, environmental observations of note)

COMPLIANCE SUMMARY

Check all applicable boxes below to indicate new conditions or issues that have occurred since your last visit. Note this information on the monitoring datasheet and document with photographs.

☐ New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc.

☐ Potential compliance incident(s) observed. Document incident(s) and potential for environmental resources to be impacted.

☐ New non-compliance issues reported by SDG&E monitors since your last visit. Describe issues and resolution under "compliance suggestions or additional observations" (above) and include SDG&E report identification number.

PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/07/19	San Juan Capistrano Substation		Photo 1 – Concrete washout bins. Photo facing southwest.
5/07/19	San Juan Capistrano Substation		Photo 2 – Foundation for the 138 kV GIS building. Photo facing north.
5/07/19	San Juan Capistrano Substation		Photo 3 – Rebar and form work for the southern portion of the retaining wall foundation. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/07/19	San Juan Capistrano Substation		Photo 4 – Concrete forms staged at the San Juan Capistrano Substation site. Photo facing southeast.
5/07/19	San Juan Capistrano Substation		Photo 5 – Rebar and form work for the northern portion of the retaining wall foundation. Photo facing east.
5/07/19	San Juan Capistrano Substation		Photo 6 – Earthwork around the conduit pipe. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/07/19	San Juan Capistrano Substation		Photo 7 – Earthwork occurring at the San Juan Capistrano Substation site. Photo facing west.
5/07/19	San Juan Capistrano Substation		Photo 8 – Stockpiled soil at the San Juan Capistrano Substation site. Photo facing south.

Completed by:	CPUC/E&E Compliance Monitor
Date:	5/09/19

Reviewed by:	Manager
Date:	5/10/19

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement (SOCRE) Project	**Date:**	May 15, 2019
Project Proponent:	San Diego Gas & Electric (SDG&E)	**Report #:**	VS033
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	CPUC/Ecology and Environment (E & E) Compliance Monitor
CPUC PM:	Andrew Barnsdale, Energy Division	**AM/PM Weather:**	Overcast, cool, and calm
CPUC CM (E & E):	Joe Donaldson	**Start/End Time:**	0730 to 0930
Project NTP(s):	NTP-1, NTP-2, NTP-2 Addendum 1, NTP-3, and NTP-4		

SITE INSPECTION CHECKLIST (Based on monitor's observations during site visit; responses do not imply that monitor observed all staff, crews, and parts of the project during this inspection)

Safety and Environmental Awareness Program (SEAP)	Yes	No	N/A
Is the SEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (BMPs) been installed?	X		
Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, dirt piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures are in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 mph on unpaved roads?	X		
Are observed vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are observed vehicles/equipment turned off when not in use?	X		
Work Areas	Yes	No	N/A
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?			X
Are observed vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		
Are excavations and trenches covered at the end of the day?	X		
Are wildlife escape ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		

Biology	Yes	No	N/A
Have preconstruction surveys been completed for biological (coastal California gnatcatcher, least Bell's vireo, southwestern will flycatcher, rare plants) resources, as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?			X
Have wildlife been relocated from work areas? If yes, describe below.		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)? If yes, describe below.		X	
Were any threatened or endangered species observed? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts on these features?			X
Have there been any work stoppages for biological resources? If yes, describe below.		X	
Cultural and Paleontological Resources	Yes	No	N/A
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?			X
Are archaeological and paleontological monitors onsite if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?			X
Have there been any work stoppages for cultural/paleo resources? If yes, describe below.		X	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used on site properly managed?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are required fire prevention and control measures in place?	X		
Are contaminated soils properly managed for onsite storage or offsite disposal?	X		
Work Hours and Noise	Yes	No	N/A
Are required night lighting reduction measures in place?			X
Is construction occurring within approved hours?	X		
Are required noise control measures in place?	X		

AREAS MONITORED (i.e., structure numbers, yards, or substations)

San Juan Capistrano Substation

DESCRIPTION OF OBSERVED ACTIVITIES (i.e., mitigation measures of particular focus or concern, construction activity, any discussions with first-party monitors or construction crews)

I arrived at the San Juan Capistrano Substation site at 0730. The day prior to my site visit, I had notified the SDG&E Environmental Coordinator that I would be visiting the San Juan Capistrano Substation site. The SDG&E Environmental Coordinator indicated that another SDG&E representative would be at the San Juan Capistrano Substation site on the day of my visit in the SDG&E Environmental Coordinator's absence.

Work was occurring across Camino Capistrano west of the San Juan Capistrano Substation site (Photo 1). A crew had already cut the asphalt for the pipe trench within Camino Capistrano, and traffic diversion cones had been set up. I met with the SDG&E representative who indicated that construction crews were planning to remove the cut asphalt and put down plates within Camino Capistrano on the day of my site visit.

On the day prior to my site visit, 15 trucks had been onsite at the San Juan Capistrano Substation site for a major concrete pour. The concrete washout bins were well contained but appeared somewhat worn (Photo 2); however, they were providing sufficient containment. The concrete pour that occurred the prior day finished the southern and northern portions of the retaining wall foundation for the 138-kilovolt (kV) gas-insulated substation (GIS) building (Photos 3 & 4). On the day of my site visit, construction crews were beginning to strip the forms off of the concrete. Steel forms were being set up for the retaining wall along the western edge of the building pad (Photo 5).

Conduit installation continued within the 138 kV GIS building pad; construction crews were working in a deep, well-shored trench (Photo 6). Several small areas of conduit trench were still open, with the conduit adequately capped (Photo 7). I observed that one of the conduit trenches contained a board for an escape ramp for wildlife, but the other conduit trench did not have any escape ramp. The SDG&E representative and I spoke about the lack of an escape ramp, and I recommended an escape ramp be provided for this conduit trench.

I discussed the upcoming rain event with the SDG&E representative; there is a 90% chance of rain later in the week, and it is forecasted to total about 0.3 inch of rain. The SDG&E Environmental Coordinator and the SDG&E representative will be submitting their recommendations to the construction contractor to prepare for the rain event. The recommendations are listed below:

General Storm Water Pollution Prevention Recommendations:

1. Secure and stabilize site for non-stormwater run-off (i.e., soil, sediment or hazardous materials)
2. Deploy straw wattle at site entrance
3. Schedule street sweeper if working during inclement weather
4. Remove drain inlet protection on Camino Capistrano
5. Ensure all onsite drain inlet protection is effective for sediment control
6. Prevent discharge of turbid water
7. Cover hazardous waste storage area
8. Secure and cover concrete washouts
9. Prevent track-out if working during wet conditions
10. Make sure all waste bins and trash cans are covered
11. Use drip pans under any parked equipment to prevent potential oil leaks on the ground
12. Sweep the entrance/exit onto Camino Capistrano, including any construction-related gutter debris

I walked with the SDG&E representative throughout the San Juan Capistrano Substation site to identify where rainwater runoff would drain from the site. It appeared that most of the rainwater runoff would be directed toward the southern entrance, where a sediment basin and diversion berm were already in place. The SDG&E Environmental Coordinator sent a photo of best management practice (BMP) upgrades completed by the contractor (Photo 10). The SDG&E Environmental Coordinator also sent a photo of revisions to the San Juan Capistrano Substation site's northern entrance. Soil had been moved to direct runoff away from Camino Capistrano and into the containment basin within the San Juan Capistrano Substation site (Photo 9).

MITIGATION MEASURES VERIFIED (Refer to MMCRP, e.g., MM BIO-5. Report only on MMs pertinent to your observations today)

All project personnel have been through the environmental training and have hardhat stickers (MM HAZ-3, MM CUL-1). See the mitigation measures (MMs) listed in the observed activities.

RECOMMENDED FOLLOW-UP (i.e., items to check on next visit, minor issues to resolve)

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance on-site, environmental observations of note)

COMPLIANCE SUMMARY

Check all applicable boxes below to indicate new conditions or issues that have occurred since your last visit. Note this information on the monitoring datasheet and document with photographs.

☐ New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc.

☐ Potential compliance incident(s) observed. Document incident(s) and potential for environmental resources to be impacted.

☐ New non-compliance issues reported by SDG&E monitors since your last visit. Describe issues and resolution under "compliance suggestions or additional observations" (above) and include SDG&E report identification number.

PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/15/19	San Juan Capistrano Substation		Photo 1 – Work occurring within Camino Capistrano. Photo facing north.
5/15/19	San Juan Capistrano Substation		Photo 2 – Concrete washout bins. Photo facing south.
5/15/19	San Juan Capistrano Substation		Photo 3 – Southern edge of the concrete retaining wall foundation. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/15/19	San Juan Capistrano Substation		Photo 4 – Northern edge of the concrete retaining wall foundation. Photo facing west.
5/15/19	San Juan Capistrano Substation		Photo 5 – Form work for the western portion of the retaining wall. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/15/19	San Juan Capistrano Substation		Photo 6 – Conduit installation. Photo facing south.
5/15/19	San Juan Capistrano Substation		Photo 7 – Capped conduit in a trench.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/15/19	San Juan Capistrano Substation		Photo 8 – Overview of the San Juan Capistrano Substation site looking west from the construction trailers.
5/15/19	San Juan Capistrano Substation		Photo 9 – Rainwater runoff diversion adjacent to the northern entrance. Photo facing west (Photo provided by the SDG&E Environmental Coordinator).
5/15/19	San Juan Capistrano Substation		Photo 10 – Upgraded BMPs near the southern entrance sediment basin. Photo facing east (Photo provided by SDG&E Environmental Coordinator).

Completed by:	CPUC/E&E Compliance Monitor
Date:	5/19/19

Reviewed by:	Manager
Date:	5/21/19

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement (SOCRE) Project	**Date:**	May 20, 2019
Project Proponent:	San Diego Gas & Electric (SDG&E)	**Report #:**	VS034
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	CPUC/Ecology and Environment (E & E) Compliance Monitor
CPUC PM:	Andrew Barnsdale, Energy Division	**AM/PM Weather:**	Partly cloudy, cool, and breezy
CPUC CM (E & E):	Joe Donaldson	**Start/End Time:**	1200 to 1330
Project NTP(s):	NTP-1, NTP-2, NTP-2 Addendum 1, NTP-3, and NTP-4		

SITE INSPECTION CHECKLIST (Based on monitor's observations during site visit; responses do not imply that monitor observed all staff, crews, and parts of the project during this inspection)

Safety and Environmental Awareness Program (SEAP)	Yes	No	N/A
Is the SEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (BMPs) been installed?	X		
Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, dirt piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures are in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 mph on unpaved roads?	X		
Are observed vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are observed vehicles/equipment turned off when not in use?	X		
Work Areas	Yes	No	N/A
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?			X
Are observed vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		
Are excavations and trenches covered at the end of the day?	X		
Are wildlife escape ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		

Biology	Yes	No	N/A
Have preconstruction surveys been completed for biological (coastal California gnatcatcher, least Bell's vireo, southwestern will flycatcher, rare plants) resources, as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?			X
Have wildlife been relocated from work areas? If yes, describe below.		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)? If yes, describe below.		X	
Were any threatened or endangered species observed? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts on these features?			X
Have there been any work stoppages for biological resources? If yes, describe below.		X	
Cultural and Paleontological Resources	Yes	No	N/A
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?			X
Are archaeological and paleontological monitors onsite if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?			X
Have there been any work stoppages for cultural/paleo resources? If yes, describe below.		X	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used on site properly managed?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are required fire prevention and control measures in place?	X		
Are contaminated soils properly managed for onsite storage or offsite disposal?	X		
Work Hours and Noise	Yes	No	N/A
Are required night lighting reduction measures in place?			X
Is construction occurring within approved hours?	X		
Are required noise control measures in place?	X		

AREAS MONITORED (i.e., structure numbers, yards, or substations)

San Juan Capistrano Substation

DESCRIPTION OF OBSERVED ACTIVITIES (i.e., mitigation measures of particular focus or concern, construction activity, any discussions with first-party monitors or construction crews)

I arrived onsite at 1200. The SDG&E Environmental Coordinator was onsite at Camino Capistrano and spoke with the contractor who was completing the work within Camino Capistrano. About half of the asphalt had been removed from over the trench and steel plates had been put in place to allow vehicle passage. A backhoe with a breaker bar was completing trenching activities and removing the remaining asphalt as well as concrete that was under the asphalt (Photo 1). The Cultural Resource Monitor and Archaeological Resource Monitor were onsite for the Camino Capistrano work in the event that the contractor began digging below street level. The SDG&E Environmental Coordinator said that the Paleontological Resource Monitor would be onsite for the Camino Capistrano work once the trench is deeper. Equipment that would be used for the work within Camino Capistrano was staged at the southern entrance of the San Juan Capistrano Substation site (Photo 3). An additional SDG&E representative was also onsite and checking on the work within Camino Capistrano.

Concrete trucks were being used to finish pouring one of the conduit trenches, and a crew was washing out the last concrete truck at the designated location (Photo 2). Black plastic drip pans had been placed under engines and were being used to contain a gasoline can (Photo 4). The drip pan used to contain the gasoline can appeared somewhat worn but was still providing adequate containment.

Work was being conducted for the installation of the steel forms for the western edge of the building pad retaining wall (Photo 5). The SDG&E Environmental Coordinator said they anticipated pouring concrete for the steel forms soon. Once the steel forms are installed, stockpiled soil will be used for backfill behind the forms (Photo 11).

Conduit installation was being conducted within the 138-kilovolt (kV) gas-insulated substation (GIS) building pad, slurry was being poured (Photo 6), and conduit was being installed (Photo 7). Excavation and shoring of new conduit trench was also occurring (Photo 8). The SDG&E Environmental Coordinator explained that it was a special heat dissipating slurry, since the power transmission cables will generate high temperatures.

It has been a wet spring, and two storms had occurred since my last site visit. The SDG&E Environmental Coordinator said the San Juan Capistrano Substation site received about 0.22 inch of rain during the first storm (Thursday 5/16/19) and another 0.2 inch over the weekend (5/17/19 to 5/19/19). Best management practices (BMPs) were added at various locations (Photo 9) and upgraded near the southwestern entrance of the San Juan Capistrano Substation site (Photo 14). During this site visit, the San Juan Capistrano Substation site was quite muddy, as indicated by the ground near the staging area (Photo 10). The San Juan Capistrano Substation site was in fair condition after the rain events and the SDG&E Environmental Coordinator kept the street sweeping truck onsite at the San Juan Capistrano Substation site full time in case soil was tracked onto the road (Photo 12).

An crew was using an excavator to remove soil from the modular wetland system near the southern entrance of the San Juan Capistrano Substation site (Photo 13). Drainage from the San Juan Capistrano Substation site will enter the modular wetland system and then exit the San Juan Capistrano Substation site via the drainpipe being installed across the roadway.

MITIGATION MEASURES VERIFIED (Refer to MMCRP, e.g., MM BIO-5. Report only on MMs pertinent to your observations today)

All project personnel have been through the environmental training and have hardhat stickers (MM HAZ-3, MM CUL-1). See the mitigation measures (MMs) listed in the observed activities.

RECOMMENDED FOLLOW-UP (i.e., items to check on next visit, minor issues to resolve)

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance on-site, environmental observations of note)

Clean out the drip pans and replace worn drip pans with new ones.

COMPLIANCE SUMMARY

Check all applicable boxes below to indicate new conditions or issues that have occurred since your last visit. Note this information on the monitoring datasheet and document with photographs.

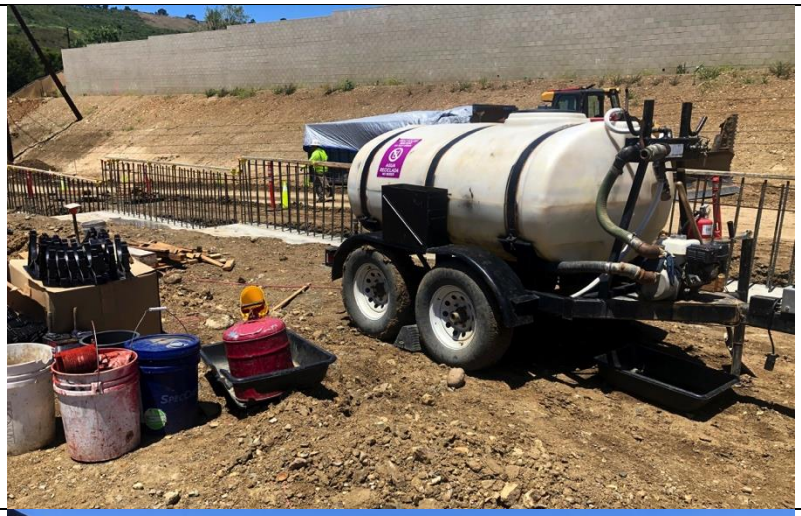
☐ New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc.

☐ Potential compliance incident(s) observed. Document incident(s) and potential for environmental resources to be impacted.

☐ New non-compliance issues reported by SDG&E monitors since your last visit. Describe issues and resolution under "compliance suggestions or additional observations" (above) and include SDG&E report identification number.

PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/20/19	San Juan Capistrano Substation		Photo 1 – Trenching occurring within Camino Capistrano. Photo facing north.
5/20/19	San Juan Capistrano Substation		Photo 2 – Concrete washout. Photo facing northwest.
5/20/19	San Juan Capistrano Substation		Photo 3 – Equipment to be used for the work within Camino Capistrano staged at the San Juan Capistrano Substation site's southern entrance. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/20/19	San Juan Capistrano Substation		Photo 4 – Drip pans in place. Photo facing northwest.
5/20/19	San Juan Capistrano Substation		Photo 5 – Form installation continues for the western portion of the retaining wall. Photo facing south.
5/20/19	San Juan Capistrano Substation		Photo 6 – Newly poured conduit trench. Photo facing northeast

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/20/19	San Juan Capistrano Substation		Photo 7 – Conduit installation within the 138 kV GIS building envelope. Photo facing southeast.
5/20/19	San Juan Capistrano Substation		Photo 8 – Conduit trenching within the 138 kV GIS building envelope. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/20/19	San Juan Capistrano Substation		Photo 9 – BMPs added before the latest storm events. Photo facing west.
5/20/19	San Juan Capistrano Substation		Photo 10 – Material staging area. Photo facing east.
5/20/19	San Juan Capistrano Substation		Photo 11 – Soil stockpile area. Photo facing southwest

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/20/19	San Juan Capistrano Substation		Photo 12 – Northern entrance to the San Juan Capistrano Substation site with a street sweeper on the public road. Photo facing west.
5/20/19	San Juan Capistrano Substation		Photo 13 – Excavator work at the modular wetland system site. Photo facing southeast.
5/20/19	San Juan Capistrano Substation		Photo 14 – Upgraded BMPs near the southwestern corner of the San Juan Capistrano Substation site. Photo facing southwest.

Completed by:	CPUC/E&E Compliance Monitor
Date:	5/22/19

Reviewed by:	Manager
Date:	5/22/19

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement (SOCRE) Project	**Date:**	May 29, 2019
Project Proponent:	San Diego Gas & Electric (SDG&E)	**Report #:**	VS035
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	CPUC/Ecology and Environment (E & E) Compliance Monitor
CPUC PM:	Andrew Barnsdale, Energy Division	**AM/PM Weather:**	Sunny and warm with a slight breeze
CPUC CM (E & E):	Joe Donaldson	**Start/End Time:**	0915 to 1530
Project NTP(s):	NTP-1, NTP-2, NTP-2 Addendum 1, NTP-3, and NTP-4		

SITE INSPECTION CHECKLIST (Based on monitor's observations during site visit; responses do not imply that monitor observed all staff, crews, and parts of the project during this inspection)

Safety and Environmental Awareness Program (SEAP)	Yes	No	N/A
Is the SEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (BMPs) been installed?	X		
Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, dirt piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures are in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 mph on unpaved roads?	X		
Are observed vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are observed vehicles/equipment turned off when not in use?	X		
Work Areas	Yes	No	N/A
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?			X
Are observed vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		
Are excavations and trenches covered at the end of the day?	X		
Are wildlife escape ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		

Biology	Yes	No	N/A
Have preconstruction surveys been completed for biological (coastal California gnatcatcher, least Bell's vireo, southwestern will flycatcher, rare plants) resources, as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?			X
Have wildlife been relocated from work areas? If yes, describe below.		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)? If yes, describe below.		X	
Were any threatened or endangered species observed? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts on these features?			X
Have there been any work stoppages for biological resources? If yes, describe below.		X	
Cultural and Paleontological Resources	Yes	No	N/A
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?			X
Are archaeological and paleontological monitors onsite if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?			X
Have there been any work stoppages for cultural/paleo resources? If yes, describe below.		X	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used on site properly managed?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are required fire prevention and control measures in place?	X		
Are contaminated soils properly managed for onsite storage or offsite disposal?	X		
Work Hours and Noise	Yes	No	N/A
Are required night lighting reduction measures in place?			X
Is construction occurring within approved hours?	X		
Are required noise control measures in place?	X		

AREAS MONITORED (i.e., structure numbers, yards, or substations)

San Juan Capistrano Substation site and areas outside of the San Juan Capistrano Substation site for a site tour of the transmission line route

DESCRIPTION OF OBSERVED ACTIVITIES (i.e., mitigation measures of particular focus or concern, construction activity, any discussions with first-party monitors or construction crews)

On the day of my site visit, a site tour was planned for new personnel to get acquainted with work occurring onsite at the San Juan Capistrano Substation site and to look at areas where transmission and distribution line work is planned to commence in the summer and fall of 2019. I arrived onsite at 0915 and met with two representatives from E & E, including the E & E/CPUC Compliance Manager, three representatives from SDG&E, including the SDG&E Environmental Project Manager and the SDG&E Environmental Coordinator, and a representative from KP Environmental serving as the Environmental Consultant Project Manager. Biology Field Review Mapbooks that depicted transmission tower locations and environmentally sensitive areas, among other items, were provided to those attending the site tour.

A separate SDG&E representative remained onsite at the San Juan Capistrano Substation site to oversee construction activities while the SDG&E Environmental Coordinator attended the site tour.

During the site tour, we observed the roadwork occurring within Camino Capistrano and discussed the upcoming jack and bore operation. We then walked east of the San Juan Capistrano Substation site to tubular steel pole (TSP) 4, located west of Interstate 5. At each location there were discussions about the upcoming work, including the new transmission pole installation, removal of existing transmission lines, underground installation, the location and size of work areas and stringing sites, and related environmentally sensitive areas.

The site tour continued across Interstate 5 and stopped at the new distribution cable pole sites (4c and 2c) (Photo 4), and also stopped at TSP 5 (Photo 5). Additional locations that were visited during the site tour included TSPs 9, 14, 22, 34, 39, and 42.

At the end of the day, I walked through the San Juan Capistrano Substation site with the E & E/CPUC Compliance Manager. Excavation activities were occurring near the southwest corner of the San Juan Capistrano Substation site, including shored trenches and a shored vault location (Photo 1). Work was being conducted on the 138 kilovolt (kV) gas-insulated substation (GIS) building pad retaining wall, including the installation of the steel forms (Photo 2).

Conduit installation was also being conducted (Photo 3); the SDG&E Environmental Coordinator explained that the colored slurry serves an indicator/warning for anyone who may inadvertently dig around underground power lines (Photo 4).

MITIGATION MEASURES VERIFIED (Refer to MMCRP, e.g., MM BIO-5. Report only on MMs pertinent to your observations today)

All project personnel have been through the environmental training and have hardhat stickers (MM HAZ-3, MM CUL-1). See the mitigation measures (MMs) listed in the observed activities.

RECOMMENDED FOLLOW-UP (i.e., items to check on next visit, minor issues to resolve)

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance on-site, environmental observations of note)

COMPLIANCE SUMMARY

Check all applicable boxes below to indicate new conditions or issues that have occurred since your last visit. Note this information on the monitoring datasheet and document with photographs.

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☐ Potential compliance incident(s) observed. Document incident(s) and potential for environmental resources to be impacted.

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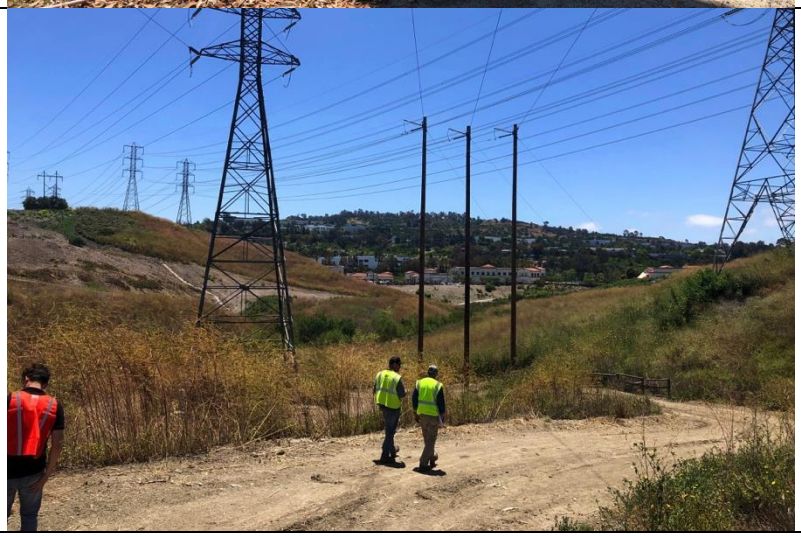
PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/29/19	San Juan Capistrano Substation		Photo 1 – Excavation work connecting to trenching across Camino Capistrano. Photo facing west.
5/29/19	San Juan Capistrano Substation		Photo 2 – Form installation for the retaining wall. Photo facing northwest.
5/29/19	San Juan Capistrano Substation		Photo 3 – Conduit installation. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/29/19	SOCRE project transmission line		Photo 4 – New distribution cable pole sites 4c and 2c (photographed during the site tour and outside of the San Juan Capistrano Substation site). Photo facing southeast.
5/29/19	SOCRE project transmission line		Photo 5 – TSP 5 location overlooking the golf course (photographed during the site tour and outside of the San Juan Capistrano Substation site). Photo facing southeast.
5/29/19	SOCRE project transmission line		Photo 6 – New transmission line location (photographed during the site tour and outside of the San Juan Capistrano Substation site). Photo facing south.

Completed by:	CPUC/E&E Compliance Monitor
Date:	6/3/19

Reviewed by:	Manager
Date:	6/3/19