ecology and environment, inc.
Global Environmental Specialists

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San Francisco, California 94111
Tel: (415) 398-5326

January 17, 2019

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

Re: Monthly Report Summary #25 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 **November 1 to 30, 2019**, for the South Orange County Reliability Enhancement (SOCRE) Project in Orange County, California. Compliance monitoring was performed four times between October 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.
- NTP-5 (July 26, 2019): Installation of the 138-kV and 230-kV Eastern Getaways and Removal and Installation of 12-kV Distribution Lines.
- NTP-6 (October 30, 2019): Removal and replacement of the existing 138-kV transmission line with a new double-circuit 230-kV transmission line from Rancho Viejo Road southeast to pole #41.

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 November 5, 14, 21, and 26, 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 November 2019 were covered under NTP-2, NTP-3, NTP-4, and NTP-5. Construction activities during November 2019 took place within and adjacent to the San Juan Capistrano Substation site and included continuation of substation site preparation activities; conducting inspections and surveys; trenching and installing underground conduit; hazardous materials abatement at the former utility structure; concrete repairs at

the former utility structure; construction of masonry screen wall footing; construction of the 12-kV transformer containment basin; erection of the 138-kV gas insulated substation (GIS) building; installation of Phase 1 grounding; trenching and installation of conduit for the 138-kV underground lines; repaving of the 138-kV trench line; construction of the storm drain pipe; trenching, installation and backfill of conduit for the 12-kV underground line at Rancho Viejo; construction of the 12-kV cable pole foundations at Serra Park and Rancho Viejo; construction of the 12-kV pad at Ganado Road; and trenching and installation of conduit for the supervisory control and data acquisition (SCADA) pole. In addition, SDG&E conducted routine inspection and maintenance activities between November 1 and 30, 2019. Inspection activities included weekly inspections of the San Juan Capistrano Substation boundary for cleanliness, as well as Stormwater Pollution Prevention Plan (SWPPP) inspections to ensure there were no best management practice (BMP) deficiencies or potential non-compliance incidents. No deficiencies in SWPP BMPs were observed or documented during November 2019.

Project compliance during the November 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 November 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 (MPR) 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, NTP-5, NTP-6, MPR-1, MPR-1 Addendum 1, MPR-3, and MPR-4.

Compliance Incidents

There were no compliance incidents during November 2019.

Public Concerns

No public complaints were received during November 2019.

Minor Approvals

There were no minor approvals in November 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

November 5, 14, 21, and 26, 2019

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement (SOCRE) Project	**Date:**	November 5, 2019
Project Proponent:	San Diego Gas & Electric (SDG&E)	**Report #:**	VS056
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:**	1215 to 1400
Project NTP(s):	Notice to Proceed (NTP)-2, NTP-2 Addendum 1, NTP-3, NTP-4, and NTP-5		

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, the area east of Interstate 5 (I-5) at Rancho Viejo, and Serra Park.

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 the San Juan Capistrano Substation at 1215. Work continued on the repair of the former utility structure. A lead abatement crew was working on the building, so air sampling equipment had been set up around the area (Photo 1).

I met with the SDG&E Lead Environmental Inspector (LEI) and another Environmental Inspector (EI).

Excavation work was being performed at three locations in the northwest corner of the substation site, as well as across I-5 on Rancho Viejo. I spoke with the cultural resource monitor, who indicated that he was inspecting the various activities. Paleontological and Native American monitors also were onsite. The monitors indicated that nothing of significance had been uncovered thus far.

An excavator was being used for trenching conduit installation near Camino Capistrano (Photo 2). Traffic control was in place, and work was scheduled to start later in the morning to avoid impacting the morning rush hour traffic.

A small backhoe was being used for the foundation footings for the northern wall, extending west down the slope to the roadway (Photo 3). Foundation forms had been set up, and foundations were nearly ready to be poured.

A third excavator was being used to extend the conduit trench coming out of the switch rack area (Photo 4).

Trenches were still open around the transformer foundations. The SDG&E LEI explained that the trenches were for the containment basins around the transformers (Photo 5).

The storm drain inlet located toward the southern side of the project site has now been slurried (Photo 6).

Excess soil was being deposited in the stockpile area (Photo 7).

The SDG&E LEI said the work on the 138-kilovolt (kV) gas insulated substation (GIS) building was on hold due to delivery of materials, and they were investigating some cracks in the concrete foundation (Photo 8).

Materials were being offloaded at the Serra Park access road (Photo 9).

A large drill rig had been used to dig the first of two tower foundation holes. I spoke with the EI about sealing the holes overnight (Photo 10). According to the EI, the foundation hole is approximately 6 feet long by 21 feet deep. The foundation cage was being brought to the site for installation. The SDG&E LEI later sent a photo depicting the measures taken to seal the excavation.

The crews were preparing the second tower location for drilling, but they hit some irrigation piping that will require rerouting before work can continue (Photo 11).

Traffic control has been set up east of I-5 at Rancho Viejo, and crews are installing conduit in the shored trench (Photo 12).

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 displayed hardhat stickers (MM HAZ-3, MM CUL-1).

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

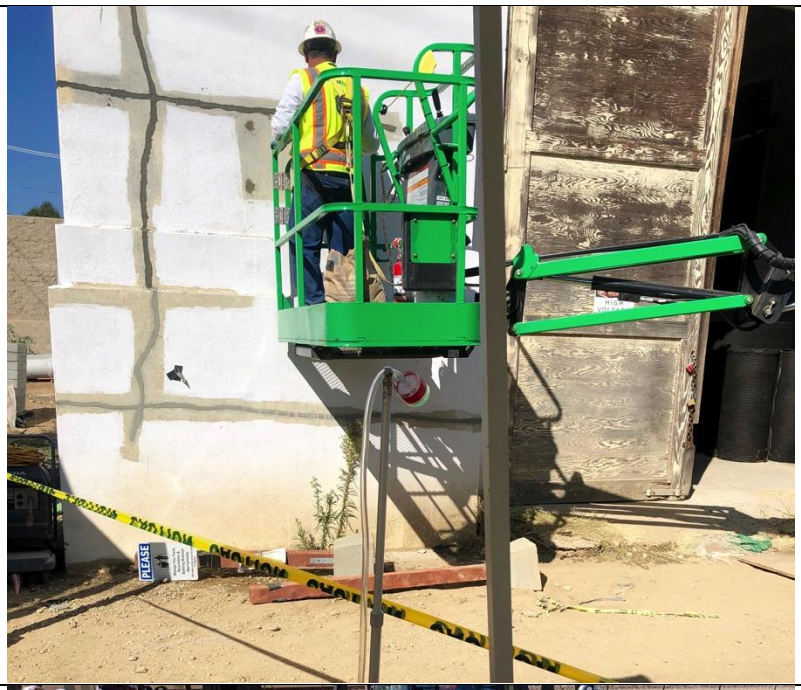
Check all applicable boxes below to indicate new conditions or issues that have occurred since your last visit. Note this information on the monitoring datasheet and document with photographs.

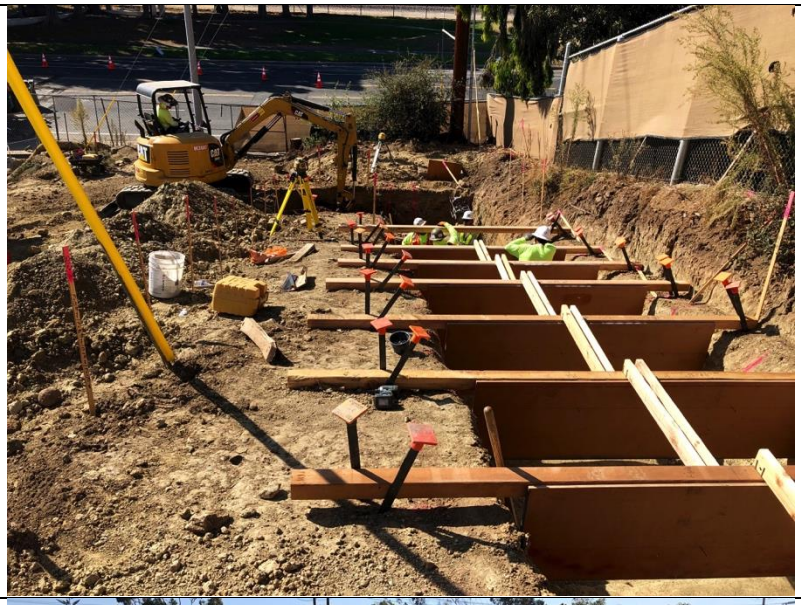
☐ New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc.

☐ 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**
11/05/19	San Juan Capistrano Substation		Photo 1 – Cleaning and patching the former utility structure with an air monitor in the foreground. Photo facing north.
11/05/19	San Juan Capistrano Substation		Photo 2 – Conduit trenching leading to Camino Capistrano. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
11/05/19	San Juan Capistrano Substation		Photo 3 – Footing work for the northern wall extension. Photo facing west.
11/05/19	San Juan Capistrano Substation		Photo 4 – Conduit vault excavation exiting the switch rack area. Photo facing south.
11/05/19	San Juan Capistrano Substation		Photo 5 – Containment basin work around the transformer foundations. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
11/05/19	San Juan Capistrano Substation		Photo 6 – Drain inlet after being slurried. Photo facing south.
11/05/19	San Juan Capistrano Substation		Photo 7 – Soil stockpile area. Photo facing west.
11/05/19	San Juan Capistrano Substation		Photo 8 – Building materials stockpiled around the 138-kV GIS building pad. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
11/05/19	Serra Park, near San Juan Capistrano Substation		Photo 9 – Materials being moved to the Serra Park staging area. Photo facing south.
11/05/19	Serra Park, near San Juan Capistrano Substation		Photo 10 – Tower foundation hole and concrete forms. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
11/05/19	Serra Park, near San Juan Capistrano Substation		Photo 11 – Preparation for drilling the second tower foundation. Photo facing north.
11/05/19	Rancho Viejo, near San Juan Capistrano Substation		Photo 12 – Conduit installation within Rancho Viejo.

Completed by:	CPUC/E & E Compliance Monitor
Date:	11/13/19

Reviewed by:	Manager
Date:	11/13/19

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement Project (SOCRE)	**Date:**	November 14, 2019
Project Proponent:	San Diego Gas & Electric (SDG&E)	**Report #:**	VS057
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 cool temperatures
CPUC CM (E & E):	Joe Donaldson	**Start/End Time:**	0715 to 1015
Project NTP(s):	Notice to Proceed (NTP)-2, NTP-2 Addendum 1, NTP-3, NTP-4, and NTP-5		

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, Serra Park, Ganado Road, and Rancho Viejo.

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 0715 and met with the SDG&E LEI and the onsite EI.

Crews had completed the lead abatement work and were now patching and painting the former utility structure (Photo 1).

There was a wet area near the offsite drain with some tailings and what appeared to be drilling muds (Photo 2). It appeared that a crew member had washed out equipment at this location. I pointed out the area to the SDG&E LEI, and he indicated he would investigate further. This area will require major upgrades for the rainy season.

Work continued around the transformer foundations with conduit trenching (Photo 3). Work was also being conducted on the containment basin. Some of the trenches had a sloped exit ramp, but most did not. Climbing structures had not been installed in the excavated holes and trenches, and crews were relying on visual inspections completed in the morning. The SDG&E LEI and I discussed the use of straw wattles as an easy way to install climbing structures.

More conduit had been installed in the switch rack area (Photo 4), extending along the north side of the 138-kilovolt (kV) gas insulated substation (GIS) building where it had been slurried with concrete (Photo 5). I asked about the need for paleontological and cultural resource monitors, but the SDG&E LEI stated that this area had already been monitored during the excavation work.

Rebar and forms for the foundation footings had been placed for the last portion of the northern wall (Photo 6). The SDG&E LEI said the concrete pour would be complete on November 15, 2019.

Road paving on Camino Capistrano is planned for the end of the week.

Conduit trenching and installation will continue along the roadway and into the 138-kV GIS building. Photo 7 shows the delineation lines for the trenching.

An old drill rig was parked onsite (Photo 8). It has been parked on large plastic sheeting to capture any potential leakage. The SDG&E LEI indicated that, if it becomes an issue, a newer drill rig will be brought in to replace it.

Excess soil was being deposited in the stockpile area (Photo 9).

The tower foundation has been poured at the eastern end of Serra Park (Photo 10). There was a lot of activity in the laydown yard at Serra Park (Photo 11), including the concrete washout container that was ready to be hauled off (Photo 12). A tree trimming crew was working in this area in preparation for wire work.

Underground conduit installation work was ongoing on Ganado Road (Photo 13) and Rancho Viejo (Photo 14).

The drill rig had been moved to the laydown yard along Rancho Viejo. One foundation hole had been excavated (Photo 15), with excavation of the second foundation hole underway (Photo 16). Monitors were onsite observing the tailings from the hole.

I spoke with the EI at this location about covering the drilled holes after work hours; he indicated that they intended to do so.

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 displayed hardhat stickers (MM HAZ-3, MM CUL-1).

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)

Upgrades are needed by the offsite drain prior to the rainy season. Straw wattles are recommended as climbing structures in trenches and excavated holes.

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.

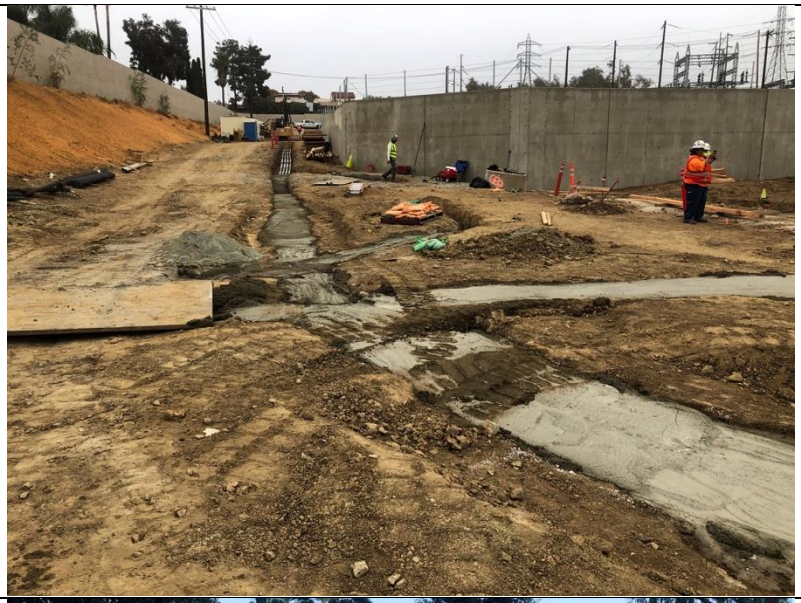
☐ Potential compliance incident(s) observed. Document incident(s) and potential for environmental resources to be impacted.

☐ 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**
11/14/19	San Juan Capistrano Substation		Photo 1 – Patching and painting the former utility structure. Photo facing north.
11/14/19	San Juan Capistrano Substation		Photo 2 – Washout near the offsite drainage system.

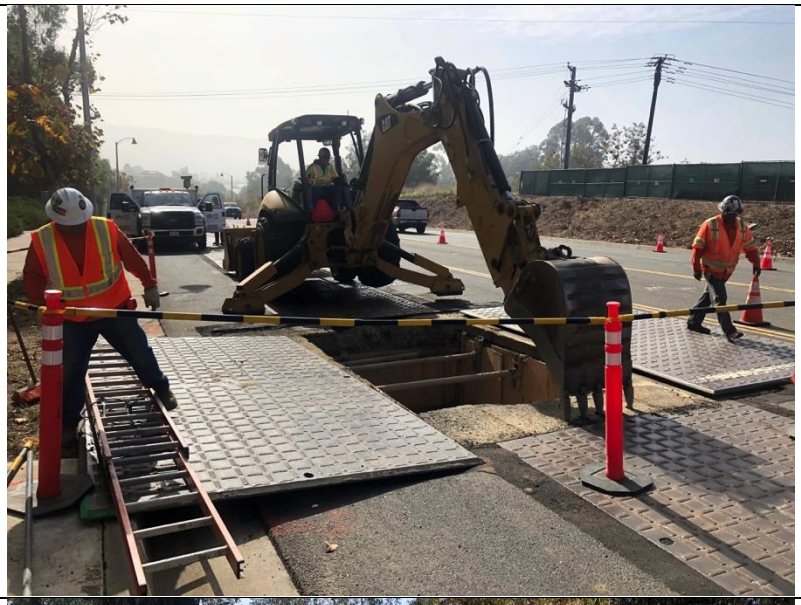
REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
11/14/19	San Juan Capistrano Substation		Photo 3 – Conduit trench along the transformer foundations. Photo facing north.
11/14/19	San Juan Capistrano Substation		Photo 4 – Conduit installation within the switch rack area. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
11/14/19	San Juan Capistrano Substation		Photo 5 – Slurried in conduit trench running along the north side of the 138-kV GIS building retaining wall. Photo facing east.
11/14/19	San Juan Capistrano Substation		Photo 6 – Wall footings with rebar installed. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
11/14/19	San Juan Capistrano Substation		Photo 7 – Lines showing planned conduit trenching. Photo facing south.
11/14/19	San Juan Capistrano Substation		Photo 8 – Old drilling rig parked onsite with adequate containment. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
11/14/19	San Juan Capistrano Substation		Photo 9 – Soil stockpile area. Photo facing east.
11/14/19	Serra Park, near San Juan Capistrano Substation		Photo 10 – TSP foundation within Serra Park. Photo facing south.
11/14/19	Serra Park, near San Juan Capistrano Substation		Photo 11 – Serra Park staging area. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
11/14/19	Serra Park, near San Juan Capistrano Substation		Photo 12 – Concrete washout in the staging area.
11/14/19	Ganado Road		Photo 13 – Underground conduit installation.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
11/14/19	Rancho Viejo, near San Juan Capistrano Substation		Photo 14 – Conduit installation at Rancho Viejo.
11/14/19	Rancho Viejo, near San Juan Capistrano Substation		Photo 15 – Newly drilled tower foundation east of Highway 5. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
11/14/19	Rancho Viejo, near San Juan Capistrano Substation		Photo 16 – Drilling the second tower foundation hole near the entrance to the staging area. Photo facing south.

Completed by:	CPUC/E & E Compliance Monitor
Date:	11/18/19

Reviewed by:	E & E Project Manager
Date:	11/26/19

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement (SOCRE) Project	**Date:**	November 21, 2019
Project Proponent:	San Diego Gas & Electric (SDG&E)	**Report #:**	VS058
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	CPUC/Ecology & Environment (E & E) Compliance Monitor
CPUC PM:	Andrew Barnsdale, Energy Division	**AM/PM Weather:**	Overcast with cool temperatures
CPUC CM (E & E):	Joe Donaldson	**Start/End Time:**	0730 to 0915
Project NTP(s):	Notice to Proceed (NTP)-2, NTP-2 Addendum 1, NTP-3, NTP-4, and NTP-5		

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, Serra Park, and Rancho Viejo.

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 0730 and met with the Environmental Inspector (EI). The SDG&E Lead Environmental Inspector (LEI) was not onsite. According to the EI, there had been no construction activity on the day prior to my site visit because the site received 0.58 inch of rain. A crew had prepared the site for rain on November 19, 2019.

A crew was working at Camino Capistrano to connect the project stormwater drainpipe to the City's drainage system (Photo 1). Traffic control was in place.

In preparation for the rain, crews had reconnected piping to direct water from the existing substation into the offsite drain (Photo 2). They also removed the rock from the catch basin in front of the drain inlet, excavated the basin, added filter fabric, and replaced the large rock.

At the project entry/exit, crews regraded the roadway above the rumble plate and created a berm that directs rainwater runoff into the catch basin (Photo 3). The new berm was then covered with the larger-sized rock placed in front of the rumble plate.

Crews were installing the first pieces of the 138-kilovolt (kV) gas insulated substation (GIS) building (Photo 4).

I noted two stormwater drainage issues onsite. The first issue was located at the eastern end of the southern wall. Water was coming off the substation, and water from outside the project site was entering the site as well. The EI and I discussed how to redirect this runoff away from the project site. The second issue was located near the construction trailers. Water from the substation was draining into the culvert connected to the newly installed piping (Photo 5). Gravel bags were placed around the inlet, but the height of the gravel bags caused water to overflow, creating some erosion (Photo 6). Lowering the gravel bag berm and relocating the extra gravel bags would resolve this issue.

Excess soil is still being stockpiled onsite (Photo 7). The EI informed me that they had sprayed all disturbed slopes with a solution to help seal the ground and slow erosion.

The foundation footings for the last portion of the northern wall have been poured (Photo 8).

No work was being conducted at Serra Park since both tower foundations had been placed and sealed (Photo 9). The laydown yard was muddy but appeared well contained.

Underground work is ongoing at Rancho Viejo. The two tower foundations have been poured just east of Interstate 5 (I-5) and are properly contained (Photo 10). Since keeping mud off the public roadway is difficult at this location, SDG&E has a street sweeper come by regularly.

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 displayed hardhat stickers (MM HAZ-3, MM CUL-1).

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)

Address the two stormwater drainage issues noted onsite.

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.

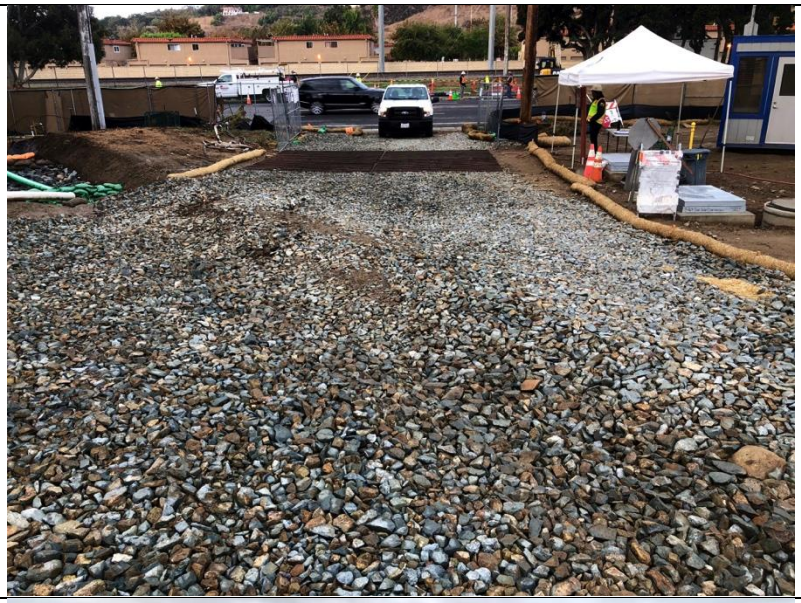
☐ New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc.

☐ 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**
11/21/19	San Juan Capistrano Substation		Photo 1 – Work at Camino Capistrano connecting storm drain piping. Photo facing southeast.
11/21/19	San Juan Capistrano Substation		Photo 2 – Catch basin and drain outlet with piping installed from the existing substation. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
11/21/19	San Juan Capistrano Substation		Photo 3 – A graded diversion berm covered with rock. Photo facing west.
11/21/19	San Juan Capistrano Substation		Photo 4 – The first installed beams of the 138-kV GIS building. Photo facing northwest.
11/21/19	San Juan Capistrano Substation		Photo 5 – Gravel bags around the inlet drains for the former substation and the construction trailer parking area. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
11/21/19	San Juan Capistrano Substation		Photo 6 – Slope below the drain inlet shown in Photo 5. Too many gravel bags caused some overflow of water and subsequent erosion. Photo facing south.
11/21/19	San Juan Capistrano Substation		Photo 7 – Soil stockpile area. Photo facing west.
11/21/19	San Juan Capistrano Substation		Photo 8 – Northern wall footing foundation. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
11/21/19	Serra Park, near San Juan Capistrano Substation		Photo 9 – New tower foundations in Serra Park west of I-5. Photo facing north.
11/21/19	Rancho Viejo, near San Juan Capistrano Substation		Photo 10 – New tower foundations along Rancho Viejo east of I-5. Photo facing south.

Completed by:	CPUC/E & E Compliance Monitor
Date:	11/25/19

Reviewed by:	Manager
Date:	11/26/19

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement (SOCRE) Project	**Date:**	November 26, 2019
Project Proponent:	San Diego Gas & Electric (SDG&E)	**Report #:**	VS059
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	CPUC/Ecology & Environment (E & E) Compliance Monitor
CPUC PM:	Andrew Barnsdale, Energy Division	**AM/PM Weather:**	Partly cloudy with mild temperatures and a cool breeze
CPUC CM (E & E):	Joe Donaldson	**Start/End time:**	1400 to 1530
Project NTP(s):	Notice to Proceed (NTP)-2, NTP-2 Addendum 1, NTP-3, NTP-4, and NTP-5		

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, Long Park, Ganado Road, and Rancho Viejo.

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 the San Juan Capistrano Substation at 1400 and met with the onsite Environmental Inspector (EI).

A crew was patching and painting the inside of the former utility structure (Photo 1).

Rain was predicted over the Thanksgiving holiday, so a crew was preparing the site to minimize erosion and protect the construction work. Additional straw wattles and gravel bags were installed throughout the project site (Photo 2).

Work was continuing on the catch basin foundation around the transformers (Photo 3). A long stretch of conduit trench had been recently poured along the northern edge of the substation site (Photo 4).

A berm had been built and covered with rock at the northern entrance to the site (Photo 5). This berm is intended to redirect rainwater runoff at the northern side of the project and at the northern wall excavation into a catch basin around several vaults.

Erection of the 138-kilovolt (kV) gas insulated substation (GIS) building continued, with a crew building a brick wall along the northern edge of the building (Photo 6). An overview of the building installation can be seen in Photo 8.

A crew was filling a small hydro-mulching machine with a slope sealant that will be sprayed on the site at the end of the day (Photo 7).

Excess soil continues to be stockpiled onsite. This material was sprayed with sealant (Photo 9).

Underground work was ongoing at Ganado Road and Rancho Viejo. The laydown yard at Rancho Viejo will be closed ahead of the rain, with gravel added to the entry/exit (Photo 10).

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 displayed hardhat stickers (MM HAZ-3, MM CUL-1).

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)

SDG&E has done a very good job of preparing the site for the upcoming rain event.

COMPLIANCE SUMMARY

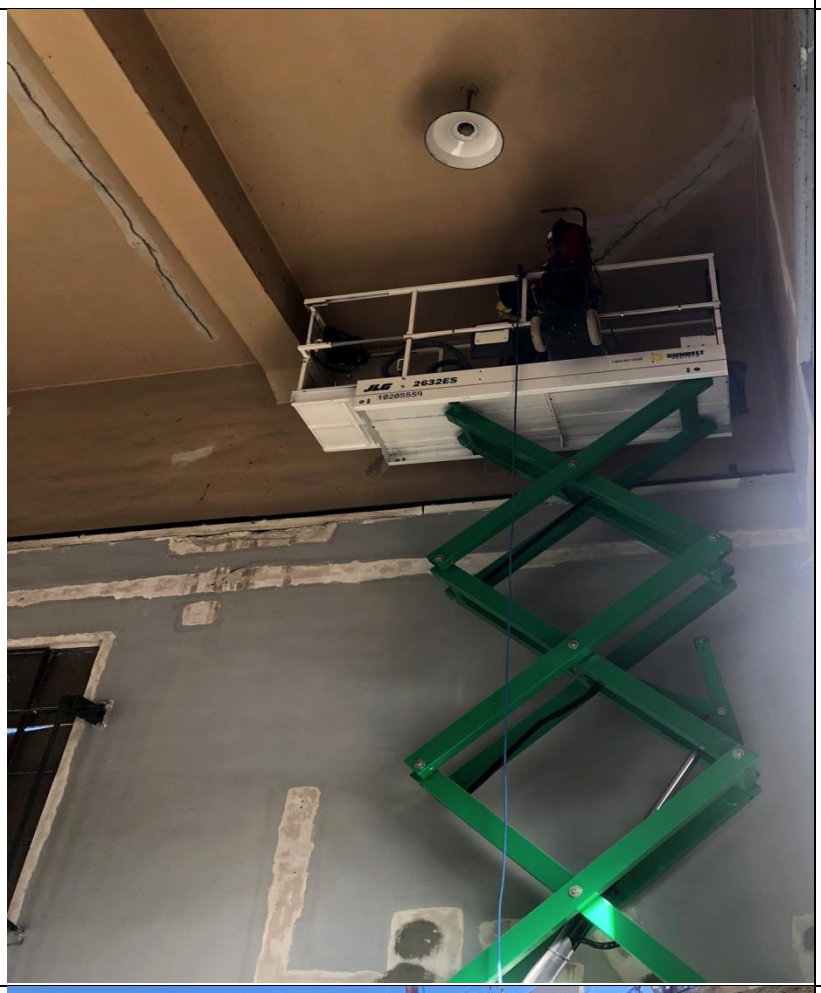
Check all applicable boxes below to indicate new conditions or issues that have occurred since your last visit. Note this information on the monitoring datasheet and document with photographs.

☐ 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**
11/26/19	San Juan Capistrano Substation		Photo 1 – Patching and painting work inside the former utility structure.
11/26/19	San Juan Capistrano Substation		Photo 2 – BMPs added along the south side of the project site. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
11/26/19	San Juan Capistrano Substation		Photo 3 – Work on the transformer foundations. Photo facing north.
11/26/19	San Juan Capistrano Substation		Photo 4 – A newly poured conduit trench. Photo facing east.
11/26/19	San Juan Capistrano Substation		Photo 5 – Northern entrance with a gravel covered berm to direct rainwater runoff away from the road and into a catch basin. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
11/26/19	San Juan Capistrano Substation		Photo 6 – Brick wall installation around the 138-kV GIS building. Photo facing west.
11/26/19	San Juan Capistrano Substation		Photo 7 – Hydro-mulcher being filled with a soil sealant. Photo facing northeast.
11/26/19	San Juan Capistrano Substation		Photo 8 – Overview of the 138-kV GIS building pad. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
11/26/19	San Juan Capistrano Substation		Photo 9 – Soil stockpile area. Photo facing northwest.
11/26/19	Long Park, west of the San Juan Capistrano Substation		Photo 10 – Tower locations and the entrance to the laydown yard along Rancho Viejo. Photo facing south.

Completed by:	CPUC/E & E Compliance Monitor
Date:	12/03/19

Reviewed by:	Manager
Date:	12/03/19