ecology and environment, inc.
Member of WSP

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February 21, 2020

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

Re: Monthly Report Summary #27 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 **January 1 to 31, 2020**, for the South Orange County Reliability Enhancement (SOCRE) Project in Orange County, California. Compliance monitoring was performed four times between January 1 and 31, 2020, 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., member of WSP (hereafter referred to as 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 and other project construction areas on January 10, 17, 23, and 29, 2020. 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 January 2020 were covered under NTP-3, NTP-4, NTP-5, and NTP-6. Construction activities during January 2020 took place within and in the vicinity of the San Juan Capistrano Substation

site, as well other locations in the project area, and included continuation of substation site preparation activities; conducting inspections and surveys; trenching, installation, and backfill for the 138-kV gas-insulated substation (GIS) underground conduit; installation and backfill for underground security ducts; concrete repairs at the former utility structure; construction of masonry screen wall; construction of the 12-kV transformer containment basin; construction of the 138-kV GIS building control shelter; Phase I grounding work; trenching for the 138-kV underground lines; installation and backfill of conduit for underground 138-kV lines; trenching, installation, backfill, and paving for the 12-kV underground line at Rancho Viejo; replacement of concrete sidewalks and gutters at Rancho Viejo; installation of 12-kV cable poles in Serra Park; preparation of the staging area at Avenida La Pata; and bypass outage work at locations 36 through 39 at Puerta Del Sol. In addition, SDG&E conducted routine inspection and maintenance activities between January 1 and 31, 2020. Inspection activities included weekly inspections of the San Juan Capistrano Substation boundary for cleanliness, as well as Storm Water Pollution Prevention Plan (SWPPP) inspections at all construction activity areas to ensure there were no best management practice (BMP) deficiencies or potential non-compliance incidents. No deficiencies in SWPPP BMPs were observed or documented during January 2020. During the January 1 to 31, 2020 monitoring period, fossils were discovered during project construction activities. The fossils were collected and transported to the San Diego Natural History Museum to be preserved and protected in perpetuity according to protocol.

Project compliance during the January 2020 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 January 2020 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

No compliance incidents were reported during January 2020.

Public Concerns

No public complaints were received during January 2020.

Minor Approvals

No minor approvals occurred in January 2020.

Sincerely,

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

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

ATTACHMENT 1

CPUC Site Inspection Reports
January 10, 17, 23, and 29, 2020

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement (SOCRE) Project	Date:	January 10, 2020
Project Proponent:	San Diego Gas & Electric (SDG&E)	Report #:	VS063
Lead Agency:	California Public Utilities Commission (CPUC)	Monitor(s):	CPUC/Ecology and Environment, Inc., member of WSP (E & E) Compliance Monitor (CM)
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Clear and calm with cold temperatures
CPUC CM (E & E):	Joe Donaldson	Start/End Time:	0730 to 0945
Project NTP(s):	Notice to Proceed (NTP)-3, NTP-4, NTP-5, and NTP-6		

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 (Best Management Practices [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 Storm Water Pollution Prevention Plan (SWPPP)?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, soil piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures 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 miles per hour 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 onsite 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 and staging areas along Avenida La Pata.

DESCRIPTION OF OBSERVED ACTIVITIES (i.e., mitigation measures [MMs] 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 0730. The Lead Environmental Inspector (LEI) was not onsite, but I spoke with two other Environmental Inspectors (EIs). I had not been onsite for several weeks. One of the EIs indicated that they had received approximately 3.25 inches of rain over the holidays. Work had been limited due to the rain and the holidays. The substation site appeared in good condition considering the rain events that had occurred; however, the site was continuing to dry out.

The access road into the substation site from the southwestern entrance had been lined with rock, which will help minimize mud and stormwater runoff issues (Photo 1).

Work on the catch basins around the transformers continued. All concrete appeared to have been poured (Photo 2).

Brick installation on the northern wall continued, with a pumper truck onsite at the substation to pour a portion of the new brick wall (Photo 3).

Conduit installation continued, with newly laid conduit coming out of the 138-kilovolt (kV) gas-insulated substation (GIS) control room (Photo 4). An excavator was digging a trench along the eastern side of the substation building for additional conduit (Photo 5).

The walls were complete on the 138-kV GIS building, and work was being performed on the inside of the building (Photo 6).

A conduit trench that runs up to the northeast corner of the substation site had been dug and poured (Photo 7).

Excess soil was being stockpiled at a location east of the 138-kV GIS building (Photo 8).

A crew was trenching across Camino Capistrano. Traffic control was in place and the excavation was being observed by paleontological and cultural monitors. The trench was deep (approximately 13 feet), but the soil appeared to be of uniform color and texture.

I joined the EIs at two areas along Avenida La Pata, which were being established as staging areas for the overland transmission tower work. Crews were installing fencing and BMPs around the area (Photo 9). One of the EIs indicated that they were going to bring in a sufficient amount of gravel to cover the entire staging area.

I concluded the project monitoring at approximately 0945.

MITIGATION MEASURES VERIFIED (Refer to the Mitigation Monitoring, Compliance, and Reporting Program [MMCRP], e.g., MM BIO-5. Report only on MMs pertinent to your observations today)

All project personnel have completed the environmental training and displayed the associated 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 onsite, environmental observations of note)

BMP upgrades are needed for secondary containment under parked equipment.

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.

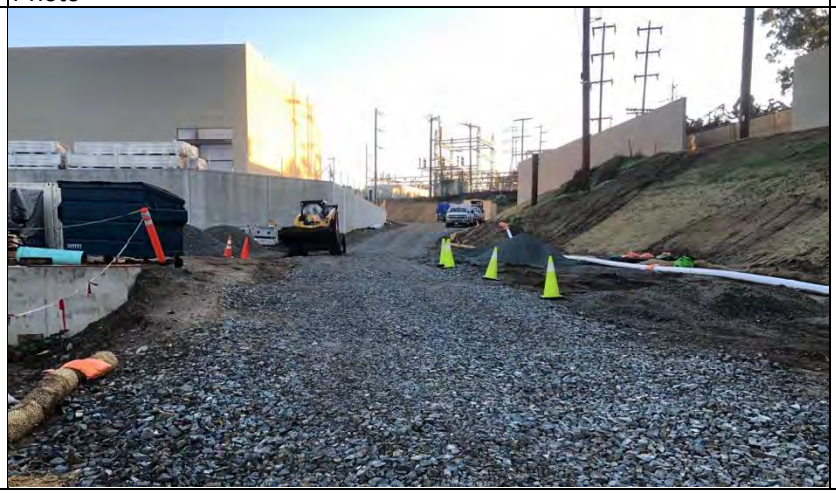
☐ New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc.

☐ 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
01/10/20	San Juan Capistrano Substation		Photo 1 – The main access road into the substation site, which has been lined with rock. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/10/20	San Juan Capistrano Substation		Photo 2 – Work around the transformer foundations. Photo facing north.
01/10/20	San Juan Capistrano Substation		Photo 3 – Brick installation on the northern boundary wall. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/10/20	San Juan Capistrano Substation		Photo 4 – Conduit installation exiting the substation control room. Photo facing west.
01/10/20	San Juan Capistrano Substation		Photo 5 – Trenching occurring along the east side of the 138-kV GIS building. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/10/20	San Juan Capistrano Substation		Photo 6 – Inside the 138-kV GIS building. Photo facing north.
01/10/20	San Juan Capistrano Substation		Photo 7 – Conduit trench that has been dug and poured in the northeastern portion of the substation site. Photo facing northeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/10/20	San Juan Capistrano Substation		Photo 8 – The 138-kV GIS building and the soil stockpile area east of the building. Photo facing west.
01/10/20	Staging areas along Avenida La Pata		Photo 9 – BMP installation around the new staging areas along Avenida La Pata. Photo facing southwest.

Completed by:	CPUC/E & E CM
Date:	01/14/20

Reviewed by:	Manager
Date:	01/15/20

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement Project (SOCRE)	Date:	January 17, 2020
Project Proponent:	San Diego Gas & Electric (SDG&E)	Report #:	VS064
Lead Agency:	California Public Utilities Commission (CPUC)	Monitor(s):	CPUC/Ecology and Environment, Inc., member of WSP (E & E) Compliance Monitor (CM)
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Partly cloudy and calm with cold temperatures; approximately 0.25 inches of rain received overnight
CPUC CM (E & E):	Joe Donaldson	Start/End Time:	0645 to 0845
Project NTP(s):	Notice to Proceed (NTP)-3, NTP-4, NTP-5, and NTP-6		

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 (Best Management Practices [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 Storm Water Pollution Prevention Plan (SWPPP)?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, soil piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures 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 miles per hour 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 onsite 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 [MMs] of particular focus or concern, construction activity, any discussions with first-party monitors or construction crews)

I arrived onsite at San Juan Capistrano Substation at 0645. The crews were using the northwestern entrance to the site; the BMPs at the entrance appeared to be in good condition. However, the site would benefit from additional rock on either side of the rumble plates (Photo 1).

I attended the morning tailboard and introduced myself to the new crew members, explaining my role on the project (Photo 2).

The substation site received approximately 0.25 inches of rain overnight. I did not notice any runoff issues, but the substation site was quite muddy. Some vehicle tires required washing before exiting the substation site (Photo 3). Road base had been added on the access road to the trailers along the north side of the substation site, which helps to keep the mud onsite.

The Lead Environmental Inspector (LEI) was not onsite, so I spoke with other EIs. We examined the catch basin at the southwestern corner of the substation site. We noted that the sediment trap area was over halfway full of mud and that it should be cleaned out before the next large storm event (Photo 4). According to one of the EIs, sweeper trucks will be utilized to maintain the public roads throughout the day.

Concrete work around the transformers appeared to be complete, and crews were backfilling around the new catch basins (Photo 5).

The brick installation on the northern wall was complete and a crew has been tasked with cleaning the mortar mixing area (Photo 6).

Crews continued to work on the 138-kilovolt (kV) gas-insulated substation (GIS) building, and installation of the roof-mounted cranes will be completed soon (Photos 7 and 8).

Some soil work was being performed, but mostly in order to remove mud from the access roads (Photo 9). Crews continued trenching for smaller lighting conduit (Photo 10) and for larger project conduit (Photo 11). Climbing structures were being placed in the deeper trenches.

Construction materials were being delivered and staged near the trailers (Photo 12).

A crew was trenching across Camino Capistrano (Photo 13). While I was onsite, no excavation was being conducted to comply with avoidance of the high-traffic times. This work is being monitored by paleontological and cultural monitors.

One of the EIs indicated that they have repaved the trenches within the roadways east of Interstate 5. Crews have also completed their work establishing the staging areas along Avenida La Pata and have demobilized. The same EI also indicated they anticipate tower work to begin at the end of this month.

I concluded project monitoring at approximately 0845.

MITIGATION MEASURES VERIFIED (Refer to the Mitigation Monitoring, Compliance, and Reporting Program [MMCRP], e.g., MM BIO-5. Report only on MMs pertinent to your observations today)

All project personnel have completed the environmental training and displayed the associated 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 onsite, environmental observations of note)

The substation site would benefit from additional rock on either side of the rumble plates.
Mud in the catch basin at the southwestern corner of the substation site should be cleaned out before the next large storm event.
A red-shouldered hawk (*Buteo lineatus*) flew into the eucalyptus trees on the south side of, and adjacent to, the substation site.

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.

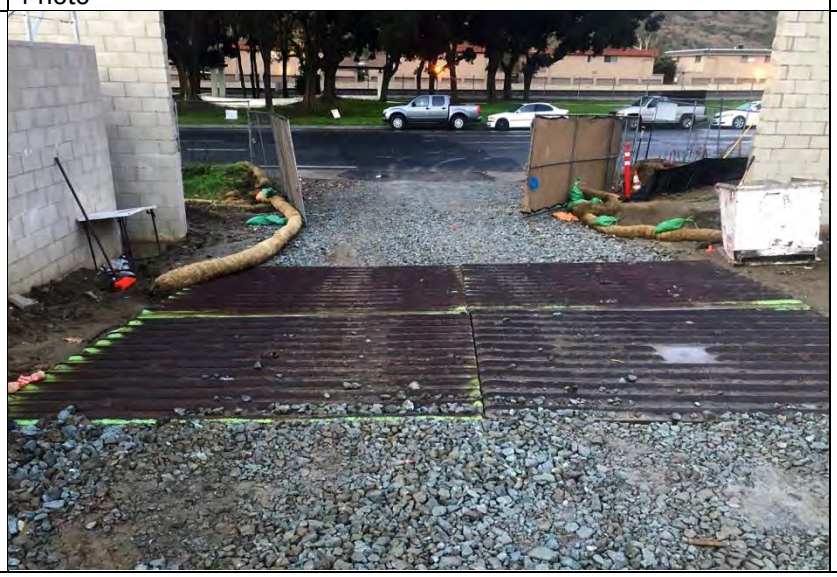
☐ New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc.

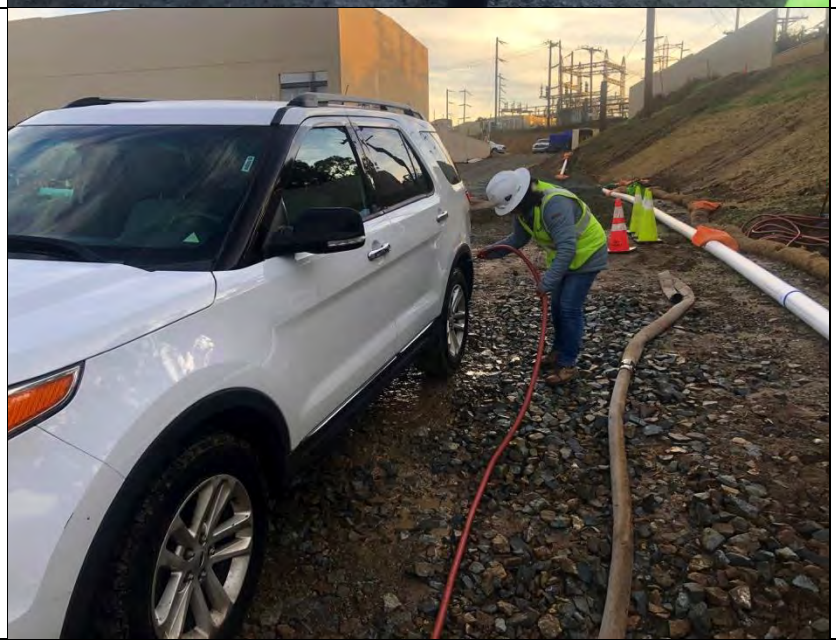
☐ Potential compliance incident(s) observed. Document incident(s) and potential for environmental resources to be impacted.

☐ 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:

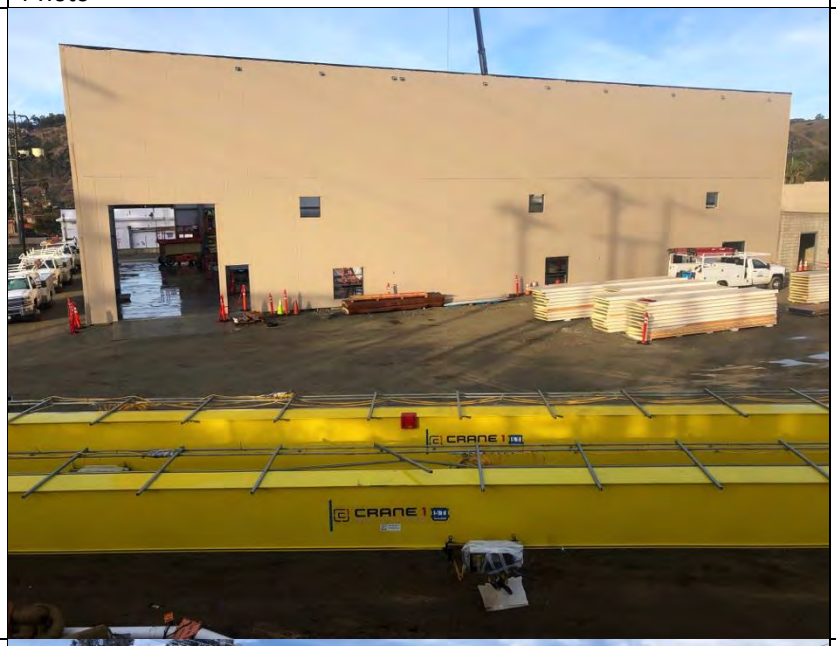
REPRESENTATIVE SITE PHOTOGRAPHS

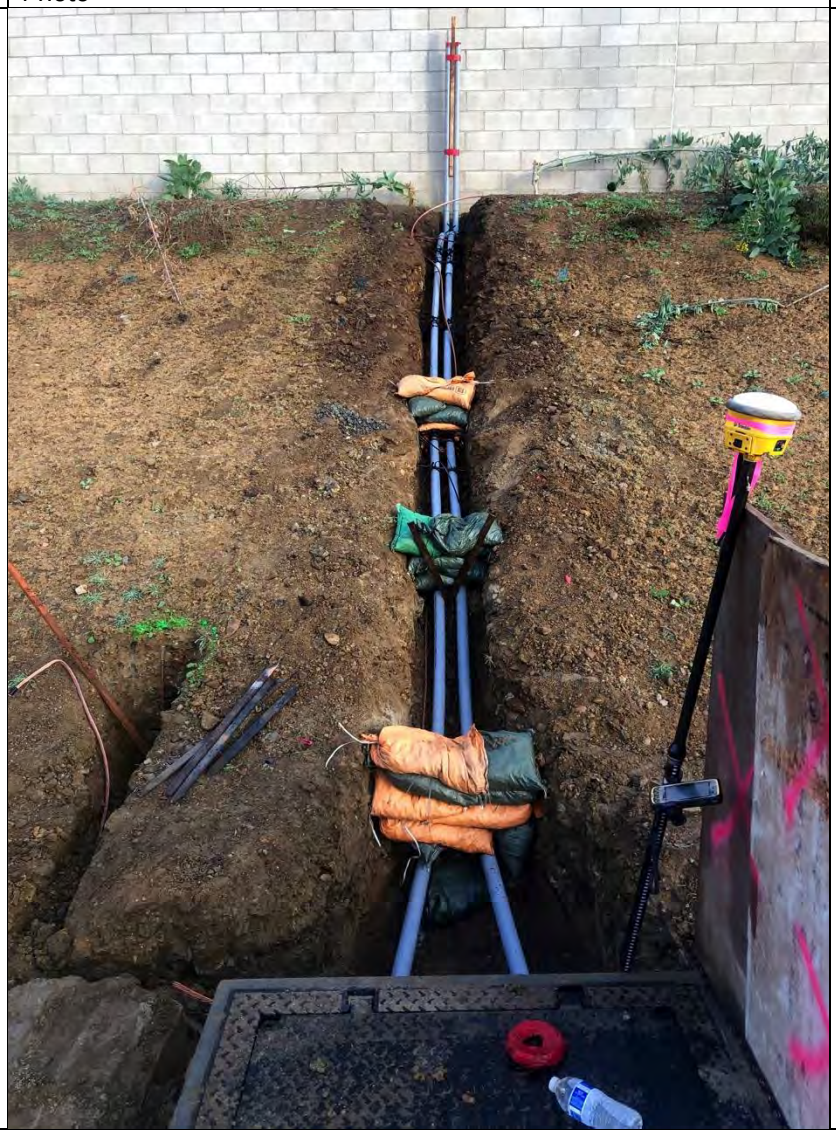
Date	Location	Photo	Description
01/17/20	San Juan Capistrano Substation		Photo 1 – The northwestern entrance with exit/entry BMPs. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/17/20	San Juan Capistrano Substation		Photo 2 – Morning tailboard meeting. Photo facing southeast.
01/17/20	San Juan Capistrano Substation		Photo 3 – Vehicle tires being washed before heading offsite. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/17/20	San Juan Capistrano Substation		Photo 4 – Catch basin at the southwestern corner of the site requiring some mud removal. Photo facing southwest.
01/17/20	San Juan Capistrano Substation		Photo 5 – Completed concrete work around the transformer foundations. Backfilling has commenced. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/17/20	San Juan Capistrano Substation		Photo 6 – Mortar mixing station being cleaned after completion of brick work on the northern boundary wall. Photo facing south.
01/17/20	San Juan Capistrano Substation		Photo 7 –Inside the 138-kV GIS building. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/17/20	San Juan Capistrano Substation		Photo 8 – The 138-kV GIS building and the cranes to be installed in the building. Photo facing west.
01/17/20	San Juan Capistrano Substation		Photo 9 – Soil work continues with excess soil stockpiled onsite. Photo facing northeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/17/20	San Juan Capistrano Substation		Photo 10 – Conduit installed for lighting equipment along the northern boundary wall. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/17/20	San Juan Capistrano Substation		Photo 11 - Conduit trench being dug along the northern portion of the site. Photo facing east.
01/17/20	San Juan Capistrano Substation		Photo 12 – Additional staging of materials in the construction trailer parking area. Photo facing northwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/17/20	San Juan Capistrano Substation		Photo 13 –Excavated trenches across Camino Capistrano covered with metal plates. Photo facing west.

Completed by:	CPUC/E & E CM
Date:	01/20/20

Reviewed by:	Manager
Date:	01/20/20

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement (SOCRE) Project	Date:	January 23, 2020
Project Proponent:	San Diego Gas & Electric (SDG&E)	Report #:	VS065
Lead Agency:	California Public Utilities Commission (CPUC)	Monitor(s):	CPUC/Ecology and Environment, Inc., member of WSP (E & E) Compliance Monitor (CM)
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Sunny and calm with cool temperatures
CPUC CM (E & E):	Joe Donaldson	Start/End Time:	0730 to 1030
Project NTP(s):	Notice to Proceed (NTP)-3, NTP-4, NTP-5, and NTP-6		

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 (Best Management Practices [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 Storm Water Pollution Prevention Plan (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 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 miles per hour 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 onsite 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 and transmission line tower location #38.

DESCRIPTION OF OBSERVED ACTIVITIES (i.e., mitigation measures [MMs] 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. I notified the Lead Environmental Inspector (LEI) of my arrival. He was attending the kickoff meeting for the transmission line work. I met him at that location, near tower location #38. The lead contractors now under contract with SDG&E for the transmission line work are PAR Electrical Contractors, Inc. (PAR) and GeoPacific Engineering, Inc.; they will be completing the soil work. Along with the LEI, two other EIs were present at the kickoff meeting. The first order of business was to install a temporary wooden pole so that crews could shift wires in preparation for installing new tubular steel poles (TSPs). According to the contractor, the wooden pole will require a hole 48 inches in diameter and 12 feet deep; it will be backfilled with native soil. It was also indicated that crews may also undertake work at tower location #37 later that day.

Crews will be completing some road grading (Photo 1) at tower location #38 and will remove vegetation at the site. The scrub vegetation will be removed by hand with the use of a small brush hog. Lath stakes were used to delineate the disturbance limits. After the brush clearing is complete, crews will grade a new road to tower location #38 (Photo 2). I spoke with the monitoring staff regarding the clearing techniques and wildlife monitoring. The LEI indicated that a raptor survey was conducted the previous day and no nests were discovered.

I returned to the substation site where crews continued to work. A crew was installing grounding rods outside of the newly constructed portion of the northern boundary wall (Photo 3). They were also working on water-proofing the wall.

Backfilling activities were being undertaken in the switch rackarea in preparation for additional concrete pouring (Photo 4).

A crew continued to work in and around the transformers and the transformer catch basins (Photo 5).

The trenching crew had opened the trench across Camino Capistrano; the LEI explained that they were preparing to pour the rest of the open trench (Photo 6).

Conduit installation continued along the northern side of the project site with the final trenches being poured (Photos 7 and 8). Once this work is complete, crews will reestablish the access road and shift to conduit installation along the southern side of the project.

An excavator was beginning to trench along the southern access road (Photo 9). Crews have disconnected some of the rainwater runoff drainpipes and will need to remove some of the BMPs. The LEI and I discussed the reestablishment of these features if any rainfall is predicted. He indicated that there was no rain in the forecast. I spoke with one of the EIs about upgrades to the BMPs should a storm be anticipated.

Work on the 138-kilovolt (kV) gas-insulated substation (GIS) building continued both inside (Photo 10) and outside of the building. While I was onsite, crews were installing portions of the roof (Photo 11).

Construction materials continue to be delivered and staged near the trailers (Photo 12).

I concluded project monitoring at approximately 1030.

MITIGATION MEASURES VERIFIED Refer to the Mitigation Monitoring, Compliance, and Reporting Program [MMCRP], e.g., MM BIO-5. Report only on MMs pertinent to your observations today)

All project personnel have completed the environmental training and displayed the associated hardhat stickers (MM HAZ-3, MM CUL-1).

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

It is anticipated that extra time will be needed to monitor the transmission line work during the next site visit.

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance onsite, 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.

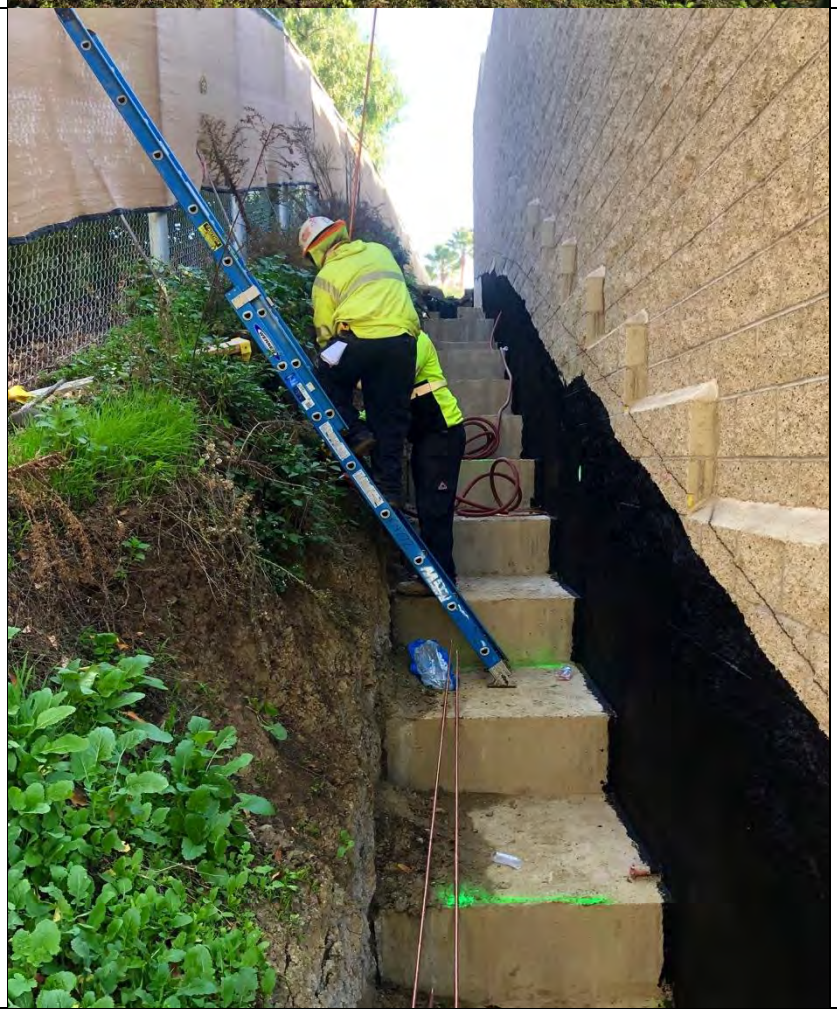
☐ Potential compliance incident(s) observed. Document incident(s) and potential for environmental resources to be impacted.

☐ 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
01/23/20	Near transmission line tower location #38		Photo 1 – Access road to tower location #38 where work will begin shortly. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/23/20	Near transmission line tower location #38		Photo 2 – Area to be cleared for grading of new road to tower location #38.. Photo facing west.
01/23/20	San Juan Capistrano Substation		Photo 3 – Grounding rod installation outside of the northern boundary wall. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/23/20	San Juan Capistrano Substation		Photo 4 – Work within the switch rack area. Photo facing west.
01/23/20	San Juan Capistrano Substation		Photo 5 – Work around the transformer foundations. Photo facing north.
01/23/20	San Juan Capistrano Substation		Photo 6 – Excavated trench across Camino Capistrano covered with metal plates, with pouring expected to commence the day of the site visit. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/23/20	San Juan Capistrano Substation		Photo 7 – Conduit work along the northern portion of the substation. Photo facing west.
01/23/20	San Juan Capistrano Substation		Photo 8 – Conduit work along the northern portion of the substation. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/23/20	San Juan Capistrano Substation		Photo 9 – Conduit trenching along the southern side of the project site. Photo facing west.
01/23/20	San Juan Capistrano Substation		Photo 10 – Work inside the 138-kV GIS building.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/23/20	San Juan Capistrano Substation		Photo 11 - The 138-kV GIS building and the roof installation work. Photo facing west.
01/23/20	San Juan Capistrano Substation		Photo 12 – Additional staging of materials in the construction trailer parking area. Photo facing northwest.

Completed by:	CPUC/E & E CM
Date:	02/04/20

Reviewed by:	Manager
Date:	02/04/20

South Orange County Reliability Enhancement Project
CPUC Site Inspection Form

Project:	South Orange County Reliability Enhancement (SOCRE) Project	Date:	January 29, 2020
Project Proponent:	San Diego Gas & Electric (SDG&E)	Report #:	VS066
Lead Agency:	California Public Utilities Commission (CPUC)	Monitor(s):	CPUC/Ecology and Environment, Inc., member of WSP (E & E) Compliance Monitor (CM)
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Sunny and calm with cool temperatures
CPUC CM (E & E):	Joe Donaldson	Start/End time:	1315 to 1530
Project NTP(s):	Notice to Proceed (NTP)-3, NTP-4, NTP-5, and NTP-6		

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 (Best Management Practices [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 Storm Water Pollution Prevention Plan (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 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 miles per hour 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 onsite 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, transmission line tower locations #38 and #39, and Serra Park.

DESCRIPTION OF OBSERVED ACTIVITIES (i.e., mitigation measures [MMs] 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 1315 and notified the Lead Environmental Inspector (LEI) of my arrival.

The construction fencing had been removed along Camino Capistrano (Photo 1).

Extensive construction activity was taking place both in the substation area and along the transmission line. A drill rig was working to install the grounding rods at the base of the northern project slope at the substation (Photo 2).

A crew was installing the drainpipe along the northern boundary wall of the substation (Photo 3).

Forms had been installed for the concrete pour around the switch rack conduit piping at the substation (Photo 4).

Work continued around the transformers and the transformer catch basins at the substation (Photo 5).

Trenching and installation of conduit continued along the southern portion of the substation site (Photo 6). A conduit trench was being filled with slurry near the 138-kilovolt (kV) gas-insulated substation (GIS) building (Photo 7). After the slurry is poured, the crews will wash out the equipment in the trench.

Work continued inside the 138-kV GIS building; it appeared that roof installation was complete (Photo 8).

Excess soil was being stockpiled at the same location where it had been stockpiled previously within the substation construction area (Photo 9).

Equipment that was being repaired had plastic sheeting under it (Photo 10). In general, crews were maintaining adequate secondary containment under engines.

The tubular steel pole (TSP) in Serra Park was being assembled and erected (Photo 11).

The LEI and I drove to tower location #38 where crews were working on various towers and poles (Photo 12). They had installed a new temporary wooden pole and were removing the former wooden poles (Photo 13).

The vegetation clearing crew had started work at tower location #39, where they were using chain saws, a brush hog, and a chipper to remove the vegetation within the approved clearing limits (Photo 14). This location is near a creek drainage, so bird surveys were conducted and BMPs (reinforced silt fence) will be installed once the vegetation is removed.

I concluded project monitoring at approximately 1530.

MITIGATION MEASURES VERIFIED Refer to the Mitigation Monitoring, Compliance, and Reporting Program [MMCRP], e.g., MM BIO-5. Report only on MMs pertinent to your observations today)

All project personnel have completed the environmental training and displayed the associated 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 onsite, 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.

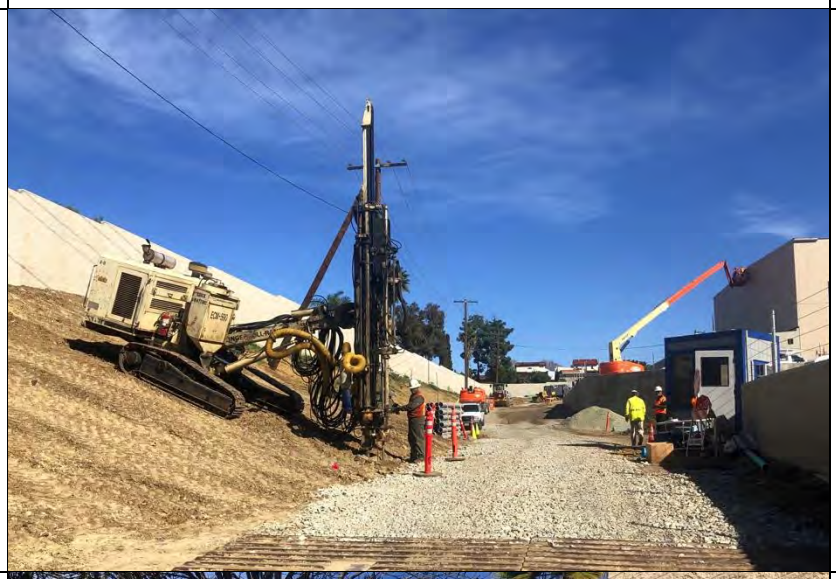
☐ Potential compliance incident(s) observed. Document incident(s) and potential for environmental resources to be impacted.

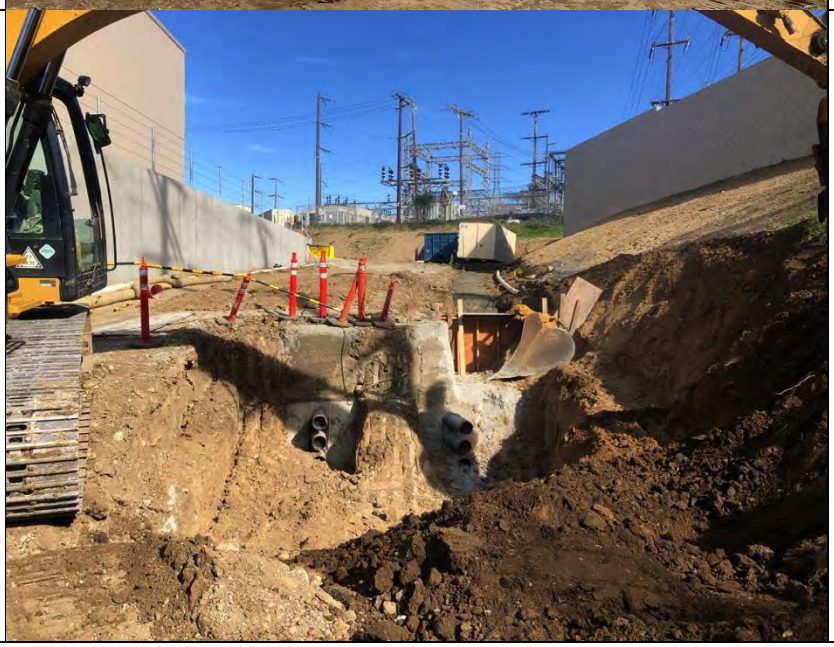
☐ New non-compliance issues reported by SDG&E monitors since your last visit. Describe issues and resolution under "compliance suggestions or additional observations" (above) and include SDG&E report identification number.

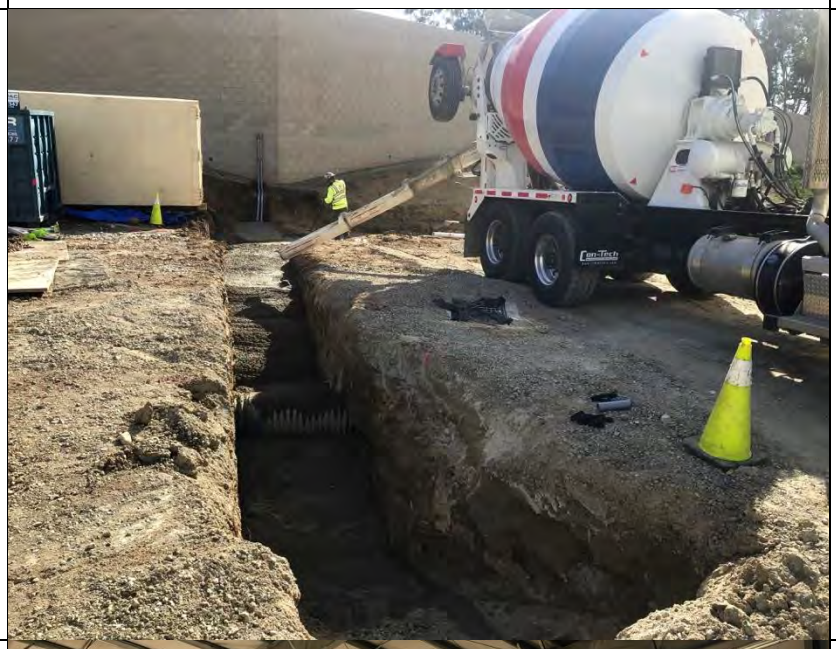
PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
01/29/20	San Juan Capistrano Substation		Photo 1 – The fence along Camino Capistrano has been removed in preparation for tie-in to the vaults. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/29/20	San Juan Capistrano Substation		Photo 2 – Grounding rods are being drilled into the ground. Photo facing east.
01/29/20	San Juan Capistrano Substation		Photo 3 – Drainpipe installation outside of the northern boundary wall of the substation. Photo facing north.
01/29/20	San Juan Capistrano Substation		Photo 4 – Concrete forms within the switch rack area. Photo facing northwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/29/20	San Juan Capistrano Substation		Photo 5 – Work around the transformer foundations. Photo facing southeast.
01/29/20	San Juan Capistrano Substation		Photo 6 – Conduit trenching along the south side of the project substation site. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/29/20	San Juan Capistrano Substation		Photo 7 – Conduit work within the northern portion of the substation. Photo facing south.
01/29/20	San Juan Capistrano Substation		Photo 8 – Work inside the 138-kV GIS building.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/29/20	San Juan Capistrano Substation		Photo 9 – Soil stockpile area. Photo facing northeast.
01/29/20	San Juan Capistrano Substation		Photo 10 – Secondary containment under equipment. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/29/20	Serra Park near San Juan Capistrano Substation		Photo 11 – Tower assembly and installation in Serra Park. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/29/20	Near transmission line tower location #38		Photo 12 – Tower and wire work at transmission line tower location #38. Photo facing northwest.
01/29/20	Near transmission line tower location #38		Photo 13 – Removal of wooden poles. Photo facing northwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
01/29/20	Near transmission line tower location #39		Photo 14 – Vegetation clearing at transmission line tower location #39. Photo facing east.

Completed by:	CPUC/E & E CM
Date:	02/06/2020

Reviewed by:	Manager
Date:	02/6/2020