



October 29, 2019

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

**Re: Monthly Report Summary #23 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 **September 1 to 30, 2019**, for the South Orange County Reliability Enhancement (SOCRE) Project in Orange County, California. Compliance monitoring was performed four times between September 1 and 30, 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.

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 September 5, 13, 19, and 25, 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 September 2019 were covered under NTP-1, NTP-2, NTP-2 Addendum 1, NTP-3, NTP-4, NTP-5, Minor Project Refinement (MPR)-1, MPR-1 Addendum 1, and MPR-3. Construction activities during September 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; backfilling of storm drain structures at the 138-kV gas-insulated substation (GIS) retaining wall; encasement and slurry backfill for the 138-kV tie line; forming and pouring for the 138-kV GIS foundation; installation of storm drain structures at the south access road; trenching, installation, and backfill of the 12-kV power ducts; installation of a temporary gate

and driveway from Calle Bonita; trenching, conduit installation, and backfill for the 12-kV transformer foundations; installation of the temporary gate and driveway from Calle Bonita; trenching, conduit installation, and backfill for the 12-kV ducts in Serra Park and Calle Bonita; and installation of the 12-kV pull boxes in Serra Park and Calle Bonita. In addition, SDG&E conducted routine inspection and maintenance activities between September 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 SWPPP BMPs were observed or documented during September 2019.

Project compliance during the September 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 September 2019 provides a compliance summary and includes a description of construction activities, a look-ahead construction schedule, a monthly biological monitoring report, a summary of compliance with project commitments (MMs/APMs), a summary of non-compliance incidents and public complaints (as applicable), a record of SOCRE Project personnel that received safety and environmental awareness training during the reporting month, and a list of upcoming or pending minor project refinements and outstanding agency deliverables.

Overall, the SOCRE Project has maintained compliance with the Mitigation Monitoring, Compliance, and Reporting Program (MMCRP) based on adherence to applicable MMs and APMs and satisfaction of pre-construction requirements and conditions of approval for NTP-1, NTP-2, NTP-2 Addendum 1, NTP-3, NTP-4, NTP-5, MPR-1, MPR-1 Addendum 1, and MPR-3.

### **Compliance Incidents**

There were no compliance incidents during September 2019.

### **Public Concerns**

No public complaints were received during September 2019.

### **Minor Approvals**

There were no minor approvals in September 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  
September 5, 13, 19, and 25, 2019



## South Orange County Reliability Enhancement Project CPUC Site Inspection Form

<b>Project:</b>	South Orange County Reliability Enhancement (SOCRE) Project	<b>Date:</b>	September 5, 2019
<b>Project Proponent:</b>	San Diego Gas & Electric (SDG&E)	<b>Report #:</b>	VS048
<b>Lead Agency:</b>	California Public Utilities Commission (CPUC)	<b>Monitor(s):</b>	CPUC/Ecology and Environment (E & E) Compliance Monitor
<b>CPUC PM:</b>	Andrew Barnsdale, Energy Division	<b>AM/PM Weather:</b>	Partly cloudy and warm with a slight breeze
<b>CPUC CM (E &amp; E):</b>	Joe Donaldson	<b>Start/End time:</b>	1100 to 1245
<b>Project NTP(s):</b>	Notice to Proceed (NTP)-1, 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 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	

<b>Biology</b>	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	
<b>Cultural and Paleontological Resources</b>	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	
<b>Hazardous Materials</b>	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		
<b>Work Hours and Noise</b>	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 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 Capistrano Substation at 1100. I met with the SDG&E Lead Environmental Inspector (LEI) and we walked to Serra Park to check on the work activities. Plastic conduit pipe and other items were stockpiled on the lawn by Calle Santa Rosalia at the western end of the park (Photo 1). Metal plates were placed at the narrow, paved access road where trenching will be conducted (Photo 2).

The crew was using a backhoe to perform excavation work near the existing towers at the eastern end of Serra Park (Photo 3). The trench spoil was being placed in a dump truck for transporting offsite. An environmental resource monitor was overseeing this work, along with a paleontological resource monitor, a Native American monitor, and a cultural resource monitor. No new bird nests had been found in the area since the previous site visit.

Excavation work began the previous day and, according to one of the monitors, most of the excavated material appears to have been previously disturbed. The trench was approximately 2 feet wide by 6.5 feet deep. Straw wattles (plastic-covered) were laid out around portions of the staging area and construction zone. I asked about the use of burlap-covered wattles, and the SDG&E LEI said the contractor had already purchased a large number of the plastic-covered wattles, so burlap-covered wattles would not be used.

At the San Juan Capistrano Substation site, I noted a broken drip pan beneath the gas pump on the "water buffalo" (i.e., a mobile water tank) (Photo 4). The SDG&E LEI said he would speak with the contractor about replacing the pan.

More plastic conduit pipe was being offloaded at the San Juan Capistrano Substation site near the former utility structure (Photo 5).

Two transformer foundations had been poured and a crew was working on a third transformer foundation (Photo 6).

Some additional trenching has been conducted in the switch rack area; however, none of the trench walls have been laid back, and no boards/climbing structures were installed for wildlife escape ramps (Photo 7). The SDG&E LEI said he was comfortable with the effectiveness of their early morning surveys of open trenches, noting that they had not found any trapped animals thus far.

Concrete trucks were arriving to pour a conduit trench running from east to west along the northern portion of the San Juan Capistrano Substation site (Photo 8).

At the 138-kilovolt (kV) gas-insulated substation (GIS) building pad, the storm drain vaults had been poured and the forms were stripped off (Photo 9). Rebar installation and other preparation work continued at the 138-kV GIS building pad in preparation of a large concrete pour scheduled for September 13, 2019 (Photo 10).

Soil from the various excavations was being stockpiled onsite, and the stockpile area was almost full (Photo 11). Once the 138-kV GIS building pad is poured, much of this soil will be used for backfilling between the building pad and the retaining wall.

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

All project personnel have been through the environmental training with hardhat stickers (MM HAZ-3, MM CUL-1).

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

None.

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




Ensure drip pans under construction equipment are in proper condition, even if the equipment is only parked for a short time.

**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
09/05/19	Serra Park near San Juan Capistrano Substation,		Photo 1 – Stockpiled materials on the lawn at the western side of Serra Park. Photo facing north.
09/05/19	Serra Park, near San Juan Capistrano Substation		Photo 2 – Metal plates placed at the access road where trenching will occur. Photo facing east.
09/05/19	Serra Park, near San Juan Capistrano Substation		Photo 3 – Excavation work with various monitors onsite. Photo facing west.



REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
09/05/19	San Juan Capistrano Substation		Photo 4 – Water buffalo (i.e., mobile water tank) parked near the southwestern entrance with a broken drip pan.
09/05/19	San Juan Capistrano Substation		Photo 5 – Conduit pipe being unloaded onsite. Photo facing southeast.
09/05/19	San Juan Capistrano Substation		Photo 6 – Work on the transformer foundations located west of the 138-kV GIS building pad retaining wall. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
09/05/19	San Juan Capistrano Substation		Photo 7 – Excavation within the switch rack area; trench walls are not laid back and there are no climbing structures/boards installed for wildlife escape ramps..
09/05/19	San Juan Capistrano Substation		Photo 8 – Concrete slurry poured in a conduit trench. Photo facing west
09/05/19	San Juan Capistrano Substation		Photo 9 – Storm drain vaults recently poured within the 138-kV GIS building pad.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
09/05/19	San Juan Capistrano Substation		Photo 10 – 138-kV GIS building pad under construction. Photo facing northeast.
09/05/19	San Juan Capistrano Substation		Photo 11 – Soil stockpile area. Photo facing east.

Completed by:	CPUC/E & E Compliance Monitor
Date:	09/08/19

Reviewed by:	Manager
Date:	09/09/19



## South Orange County Reliability Enhancement Project CPUC Site Inspection Form

<b>Project:</b>	South Orange County Reliability Enhancement Project (SOCRE)	<b>Date:</b>	September 13, 2019
<b>Project Proponent:</b>	San Diego Gas & Electric (SDG&E)	<b>Report #:</b>	FG01
<b>Lead Agency:</b>	California Public Utilities Commission (CPUC)	<b>Monitor(s):</b>	CPUC/Ecology and Environment (E & E) Compliance Monitor
<b>CPUC PM:</b>	Andrew Barnsdale, Energy Division	<b>AM/PM Weather:</b>	Sunny, clear skies, and a slight breeze
<b>CPUC CM (E &amp; E):</b>	Joe Donaldson	<b>Start/End time:</b>	1045 to 1330
<b>Project NTP(s):</b>	Notice to Proceed (NTP)-1, 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)

<b>Safety and Environmental Awareness Program (SEAP)</b>	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		
<b>Erosion and Dust Control (Air and Water Quality)</b>	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 in place to stabilize soils and effectively suppress fugitive dust?	X		
<b>Equipment</b>	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		
<b>Work Areas</b>	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	

<b>Biology</b>	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	
<b>Cultural and Paleontological Resources</b>	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	
<b>Hazardous Materials</b>	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		
<b>Work Hours and Noise</b>	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 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 contacted the Lead Environmental Inspector (LEI) at approximately 1045 to notify him that I had arrived at the San Juan Capistrano Substation site. He met me at the northern entrance gate where we observed trucks moving on and off the site for concrete pouring work. Both the northern and southern entrances at the San Juan Capistrano Substation were being utilized for concrete truck ingress and egress. The rumble plates at the northern and southern gate entrances remained clean (Photo1).

A large work area for conduit trenching/vaults inside of the San Juan Capistrano Substation site was closed off with cones and stringing. Conduit trenching and vaults in this closed area were partially covered (Photo 2). The LEI and I walked east of the San Juan Capistrano Substation site to observe the concrete pouring work. Two concrete pouring pumps were operating, and the concrete pouring activities were supervised (Photos 3, 4, and 5).

A water truck was onsite and being used to apply water to suppress dust. I met with one of the construction supervisors who was supervising work near the southern entrance. He reported that there were no concerns regarding the work occurring onsite. Areas around the concrete wash station were relatively clean (Photo 6). The recycling bin onsite was covered and secured (Photo 7).

The LEI and I exited the San Juan Capistrano Substation site through the southern entrance and traveled around the site on Calle Bonita to observe work related to installation of the new driveway and gate entrance on the southern side of the site (Photos 8 and 9). There were no concerns related to this work. The work was expected to be completed by the end of the day. The LEI reported that trenching along Calle Bonita would commence in one to two weeks.

We walked farther east toward Serra Park to observe excavation activities in the park (Photo 10). The LEI and I met with an environmental monitor who was observing the excavation activities near the southern side of Serra Park. He reported that there have been no landowner complaints regarding work near Serra Park. Paleontological and cultural resource monitors as well as Native American monitors were observing the excavation activities. Construction crews were sweeping the area and a "water buffalo" (i.e., a mobile water tank) was located onsite for dust suppression during excavation/trenching activities.

We walked farther east toward the laydown area at Serra Park. Best management practices (BMPs) were in place near the eastern edge of Serra Park along the fence line (Photo 11). In the laydown area, I observed construction equipment parked without a drip pan placed underneath. I notified the LEI about this and he spoke to the construction supervisor who said that he would immediately place a drip pan and remind crews to ensure drip pans are properly placed underneath all construction equipment, even if the equipment is only parked for a short time.

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

All project personnel have been through the environmental training with hardhat stickers (MM HAZ-3, MM CUL-1).

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

None.

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




Place drip pans under construction equipment, even if the equipment is only parked for a short time. To avoid potential animal entrapment, ensure that open trenches are covered overnight or when not being actively excavated, even in areas that are temporarily closed to construction access.

**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
09/13/19	San Juan Capistrano Substation		Photo 1 – Rumble plates at the southern entrance to the site remain clean. Photo facing east.
09/13/19	San Juan Capistrano Substation		Photo 2 – Open conduit trench in a closed area. Photo facing west.
09/13/19	San Juan Capistrano Substation		Photo 3 – Two concrete pour pumps operating. Photo facing south.



REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
09/13/19	San Juan Capistrano Substation		Photo 4 – Crews conducting concrete pour work. Photo facing east.
09/13/19	San Juan Capistrano Substation		Photo 5 – Concrete pouring and smoothing. Photo facing south.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
09/13/19	San Juan Capistrano Substation		Photo 6 – Concrete wash station. Photo facing southeast.
09/13/19	San Juan Capistrano Substation		Photo 7 – Recycle bin covered and secured. Photo facing southeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
09/13/19	San Juan Capistrano Substation		Photo 8 – Installation of new driveway. Crew spraying soil with water to minimize dust. Photo facing north.
09/13/19	San Juan Capistrano Substation		Photo 9 – Installation of new driveway. Crew backfilling soil. Photo facing north.
09/13/19	Serra Park, east of San Juan Capistrano Substation		Photo 10 – Excavation activities near the south side of Serra Park. Photo facing southeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
09/13/19	Serra Park, east of San Juan Capistrano Substation		Photo 11 – BMPs installed along the eastern fence line of Serra Park. Photo facing northeast.

Completed by:	CPUC/E & E Compliance Monitor
Date:	10/08/19

Reviewed by:	E & E Project Manager
Date:	10/15/19



## South Orange County Reliability Enhancement Project CPUC Site Inspection Form

<b>Project:</b>	South Orange County Reliability Enhancement (SOCRE) Project	<b>Date:</b>	September 19, 2019
<b>Project Proponent:</b>	San Diego Gas & Electric (SDG&E)	<b>Report #:</b>	VS049
<b>Lead Agency:</b>	California Public Utilities Commission (CPUC)	<b>Monitor(s):</b>	CPUC/Ecology & Environment (E & E) Compliance Monitor
<b>CPUC PM:</b>	Andrew Barnsdale, Energy Division	<b>AM/PM Weather:</b>	Overcast with cool temperatures
<b>CPUC CM (E &amp; E):</b>	Joe Donaldson	<b>Start/End time:</b>	0745 to 0900
<b>Project NTP(s):</b>	Notice to Proceed (NTP)-1, 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 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	

<b>Biology</b>	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	
<b>Cultural and Paleontological Resources</b>	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	
<b>Hazardous Materials</b>	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		
<b>Work Hours and Noise</b>	Yes	No	N/A
Are required night lighting reduction measures in place?			X
Is construction occurring within approved hours?	X		
Are required noise control measures in place?	X		

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

San Juan Capistrano Substation.

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

I arrived onsite at the San Juan Capistrano Substation site at 0715 and walked in through the main entrance off Camino Capistrano.

A crew using a water truck had just sprayed the roads within the San Juan Capistrano Substation site, so they were somewhat muddy. I observed a project-related vehicle following close behind the water truck and its tires were covered in mud. The driver attempted a few passes over the rumble plate to dislodge the mud, but it did little to remove the mud. The driver then washed off his tires before entering the public road. The SDG&E Lead Environmental Inspector (LEI) arrived onsite and we discussed the exit/entry best management practices (BMPs), which were in need of some upgrades, specifically the addition of properly sized rock.

Portions of the storm drain system remained open (Photo 1).

All three transformer foundations had been poured and crews were beginning to strip off the forms (Photo 2).

Conduit vaults had been installed within the switch rack area (Photo 3) and conduit had been installed in a new trench exiting the northwest corner of the substation retaining wall (Photo 4). A conduit trench near the northern side of the switch rack area had been covered with metal plates (Photo 5). None of these excavations had any wildlife escape ramps and I, again, inquired about routine checks for these locations before work begins each day. The SDG&E LEI confirmed that surveys are conducted every morning. It proved difficult to check the plate-covered hole (Photo 5), so I recommended that the small opening that remained be closed off.

The pad for the 138-kilovolt (kV) gas-insulated substation (GIS) building had been poured, and crews were performing cleanup work on the new concrete and stripping forms (Photo 6). The SDG&E LEI said that 112 concrete trucks entered the site during the large concrete pour earlier in the week and no problems were reported. Some work was occurring on an excavated area at the northwest corner of the pad (Photo 7) and some backfilling had been completed around the pad (Photo 8). Photo 9 shows an overview of the pad.

I met a new biological resource monitor who was monitoring the construction activities around the San Juan Capistrano Substation. Another biological resource monitor was monitoring the underground work taking place in Serra Park. A cultural resource monitor, Native American monitor, and paleontological resource monitor were also monitoring this work.

Some of the smaller transformers had been stockpiled onsite in the staging area near the existing 230-kV substation (Photo 10).

The new entry into the existing 230-kV substation was installed. A small berm was constructed inside the gate (Photo 11). The SDG&E LEI indicated that they need to place a small area of asphalt along the curb outside of the new gate (Photo 12).

Work continued at Serra Park, with trenching in the public roadway and placement of a conduit vault near the eastern edge of the park (Photo 13). Drip pans were in place under the parked equipment (Photo 14). I noted that the staging area was muddy. The SDG&E LEI indicated this was due to a broken irrigation line (Photo 15).

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

All project personnel have been through the environmental training with hardhat stickers (MM HAZ-3, MM CUL-1).

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

Check on monitoring activities associated with underground trenching.

**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
9/19/19	San Juan Capistrano Substation		Photo 1 – Storm drain pipe excavation remaining open near the southwestern portion of the site. Photo facing south.
9/19/19	San Juan Capistrano Substation		Photo 2 – Transformer foundations. Photo facing north.
9/19/19	San Juan Capistrano Substation		Photo 3 – Conduit vault within the switch rack area with no climbing structures in place. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/19/19	San Juan Capistrano Substation		Photo 4 – Conduit trench, conduit, and conduit vault near the northwest corner of the 138-KV GIS building pad. Photo facing east.
9/19/19	San Juan Capistrano Substation		Photo 5 – Conduit pipe excavation partially covered.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/19/19	San Juan Capistrano Substation		Photo 6 – Newly poured 138-kV GIS building foundation. Photo facing south.
9/19/19	San Juan Capistrano Substation		Photo 7 – Work within an excavation site at the northwest corner of the 138-kV GIS building pad. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/19/19	San Juan Capistrano Substation		Photo 8 – Backfill work completed around the new 138-kV GIS building pad. Photo facing south.
9/19/19	San Juan Capistrano Substation		Photo 9 – Overview of the 138-kV GIS building pad. Photo facing west.
9/19/19	San Juan Capistrano Substation		Photo 10 – Transformers stockpiled onsite. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/19/19	San Juan Capistrano Substation		Photo 11 – New access gate into the existing substation. Photo facing east.
9/19/19	San Juan Capistrano Substation		Photo 12 – New access gate into the existing substation. Photo facing north.
9/19/19	Serra Park, east of San Juan Capistrano Substation		Photo 13 – Trenching for the underground conduit continues along the public road toward the substation. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/19/19	Serra Park east of San Juan Capistrano Substation		Photo 14 – Drip pans are under all the parked equipment.
9/19/19	Serra Park east of San Juan Capistrano Substation		Photo 15 – A small water line broke within the staging area, creating a muddy area. Photo facing east.

Completed by:	CPUC/E & E Compliance Monitor
Date:	09/23/19

Reviewed by:	Manager
Date:	09/24/19



## South Orange County Reliability Enhancement Project CPUC Site Inspection Form

<b>Project:</b>	South Orange County Reliability Enhancement (SOCRE) Project	<b>Date:</b>	September 25, 2019
<b>Project Proponent:</b>	San Diego Gas & Electric (SDG&E)	<b>Report #:</b>	VS050
<b>Lead Agency:</b>	California Public Utilities Commission (CPUC)	<b>Monitor(s):</b>	CPUC/Ecology & Environment (E & E) Compliance Monitor
<b>CPUC PM:</b>	Andrew Barnsdale, Energy Division	<b>AM/PM Weather:</b>	Scattered clouds, mild temperatures, and a slight breeze
<b>CPUC CM (E &amp; E):</b>	Joe Donaldson	<b>Start/End time:</b>	1130 to 1330
<b>Project NTP(s):</b>	Notice to Proceed (NTP)-1, 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)

<b>Safety and Environmental Awareness Program (SEAP)</b>	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		
<b>Erosion and Dust Control (Air and Water Quality)</b>	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 in place to stabilize soils and effectively suppress fugitive dust?	X		
<b>Equipment</b>	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		
<b>Work Areas</b>	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	

<b>Biology</b>	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	
<b>Cultural and Paleontological Resources</b>	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	
<b>Hazardous Materials</b>	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		
<b>Work Hours and Noise</b>	Yes	No	N/A
Are required night lighting reduction measures in place?			X
Is construction occurring within approved hours?	X		
Are required noise control measures in place?	X		



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

San Juan Capistrano Substation.

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

I arrived onsite at the San Juan Capistrano Substation at 1130 and met with the Lead Environmental Inspector (LEI).

Inside the main gate to the San Juan Capistrano Substation, a crew was working on forms for a storm drain inlet (Photo 1).

Most of the conduit trenches had been poured within the switch rack area. Some of the conduit vaults remain open (Photos 2 and 3). One of the conduit trenches had been partially covered (Photo 4). I requested that the LEI seal the openings, since a partially covered trench is difficult to check for animals and is more attractive to them. Later in the day, the LEI sent me a photo of the sealed conduit trench (Photo 5).

Forms had been placed over the storm drain system for another inlet in the northwest portion of the San Juan Capistrano Substation site (Photo 6).

Forms were being stripped from the transformer foundations (Photo 7). Also shown in the photo is a well-contained gas can.

Slurry was being poured in a trench along the northern edge of the 138-kilovolt (kV) gas insulated substation (GIS) building (Photo 8). Final grading was being performed around the new 138-kV GIS building pad (Photo 9). Excess soil was being deposited in the soil stockpile area (Photo 10).

The underground conduit was being constructed along Calle Bonita near the San Juan Capistrano Substation. Crews were focused on pouring the portion of trench containing the conduit (Photo 11). Two additional environmental monitors were onsite. Because no excavation work was occurring, the paleontological and cultural resource monitors and Native American monitor were not onsite. The trench along the southern edge of Serra Park had been filled in with slurry (Photo 12) and was being used for access to the laydown yard. The laydown yard in the eastern portion of Serra Park appeared to be in good condition except for a parked forklift that lacked a drip pan (Photo 13). I placed a drip pan beneath the forklift and sent the LEI a message concerning the drip pan.

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

All project personnel have been through the environmental training with hardhat stickers (MM HAZ-3, MM CUL-1).

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

Upgrades to the entry/exit best management practices (BMPs).

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

Placing drip pans under construction equipment should be done even if the equipment is only parked for a short time.



**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
9/25/19	San Juan Capistrano Substation		Photo 1 – Stormwater drainpipe work continues. Photo facing east.
9/25/19	San Juan Capistrano Substation		Photo 2 – Conduit vault within the switch rack area.

REPRESENTATIVE SITE PHOTOGRAPHS



Date	Location	Photo	Description
9/25/19	San Juan Capistrano Substation		Photo 3 – Conduit trench has been poured; the conduit vault remains open. Photo facing east.
9/25/19	San Juan Capistrano Substation		Photo 4 – A partially covered conduit trench. Photo facing northwest.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
9/25/19	San Juan Capistrano Substation		Photo 5 – Photo sent by the LEI showing the work completed to seal the trench. Photo facing west.
9/25/19	San Juan Capistrano Substation		Photo 6 – Stormwater drainpipe work continues in the northwest portion of the site.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
9/25/19	San Juan Capistrano Substation		Photo 7 – Transformer foundations and a well-contained gas can. Photo facing south.
9/25/19	San Juan Capistrano Substation		Photo 8 – Slurry work along the northern edge of the 138-kV GIS building pad. Photo facing west.
9/25/19	San Juan Capistrano Substation		Photo 9 – Overview of the 138-kV GIS building pad. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/25/19	San Juan Capistrano Substation		Photo 10 – Soil stockpile area. Photo facing southeast.
9/25/19	San Juan Capistrano Substation		Photo 11 – Pouring the conduit trench along Calle Bonita. Photo facing west.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
9/25/19	Serra park, east of San Juan Capistrano Substation		Photo 12 – Backfilled conduit trench along the southern edge of Serra Park. Photo facing east.
9/25/19	Serra Park, east of San Juan Capistrano Substation		Photo 13 – Laydown yard for the underground work. Photo facing west.

Completed by:	CPUC/E & E Compliance Monitor
Date:	10/06/19

Reviewed by:	Manager
Date:	10/06/19