



## ecology and environment, inc.

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March 26, 2018

Lisa Orsaba  
Project Manager  
California Public Utilities Commission  
505 Van Ness Avenue  
San Francisco, CA 94102

### **Re: Monthly Report Summary #5 for the Mesa 500-kV Substation Project**

Dear Ms. Orsaba,

This report provides a summary of the compliance monitoring activities that occurred during the period from **February 1 to 28, 2018**, for the Mesa 500-kilovolt (kV) Substation (Mesa Substation) Project in Los Angeles County, California. Compliance monitoring was performed to ensure that all project-related activities conducted by Southern California Edison (SCE) and their contractors comply with the requirements of the Final Environmental Impact Report (Final EIR) for the Mesa Substation Project, as adopted by the California Public Utilities Commission (CPUC) on February 9, 2017.

The CPUC has issued the following Notices to Proceed (NTPs) for the Mesa Substation Project to SCE:

- NTP #1 (September 27, 2017) – Vegetation removal and grading, water line relocation, Operating Industries Incorporated (OII) well removal, and various line relocations (transmission, subtransmission, distribution, and telecommunications).
- NTP #2 (November 15, 2017) – Remaining construction components, including vegetation removal and grading, and the removal, replacement, relocation, modification, and/or construction of perimeter and retaining walls, Mechanical Electrical Equipment Rooms (MEERs), operations and test and maintenance buildings, storm drains, lattice steel towers, various poles, underground trenches, concrete foundations, and associated components. Equipment modification at 29 satellite substations.

Onsite compliance monitoring by the Ecology and Environment, Inc. (E & E) compliance team during this reporting period focused on spot-checks of ongoing construction activities. Compliance Monitor Vince Semonsen visited the Mesa Substation construction sites on February 6, 12, and 21, 2018. On February 21, 2018, Project Manager Jenny Vick visited the Mesa Substation construction site with Compliance Monitor Vince Semonsen. Site inspection reports that summarize observed construction activities and compliance events and verify mitigation measures (MMs) and applicant proposed measures (APMs) were completed for the site visits. These reports are attached below (Attachment 1).

Overall, the Mesa Substation Project has maintained compliance with the Mitigation Monitoring, Compliance, and Reporting Program's (MMCRP) Compliance Plan. Communication between the CPUC/E & E compliance team and SCE has been regular and effective; the correspondence discussed and documented compliance events, upcoming compliance-related surveys and deliverables, and the construction schedule. Agency calls between CPUC/E & E and SCE, along with daily schedule updates

and database notifications, provided additional compliance information and construction summaries. Furthermore, SCE's monthly compliance status report for February 2018 provided a compliance summary and included a description of construction activities from February 1 to 28, 2018, a detailed look-ahead construction schedule, a summary of compliance with Mesa Substation Project commitments (MMs/APMs) for biological resources, cultural and paleontological resources, the Storm Water Pollution Prevention Plan (SWPPP), noise, and the Worker Environmental Awareness Program (WEAP), non-compliance issues and resolutions, and public complaints and notifications.

### **Compliance Incidents**

During the February 2018 reporting period, there were no compliance incidents. Two minor spills/leaks were self-reported by SCE and were dealt with in a timely manner.

### **Noise Compliance**

Exceedances of the stipulated noise levels were recorded on February 12, 13, 14, 15, 16, 17, 19, 22, 26, and 27, 2018. SCE reported these exceedances to the CPUC, as required by the Noise Control Plan. Exceedances were due to equipment working in the immediate vicinity of the noise monitor.


### **Public Concerns**

There were no public concerns during February 2018.

### **Minor Approvals**

During February 2018, there were no email or Minor Project Change approvals.

Sincerely,



Jenny Vick  
Project Manager, Ecology and Environment, Inc.

cc:  
Lori Rangel, SCE  
Don Dow, SCE

# ATTACHMENT 1

CPUC Site Inspection Report  
February 6, 12, and 21, 2018



## Mesa 500-kV Substation Project CPUC Site Inspection Form

<b>Project:</b>	Mesa 500-kV Substation Project	<b>Date:</b>	February 6, 2018
<b>Project Proponent:</b>	Southern California Edison	<b>Report #:</b>	VS015
<b>Lead Agency:</b>	California Public Utilities Commission	<b>Monitor(s):</b>	Vince Semonsen
<b>CPUC PM:</b>	Lisa Orsaba, Energy Division	<b>AM/PM Weather:</b>	Hazy sunshine; cool with a slight breeze
<b>E &amp; E CM:</b>	Jenny Vick	<b>Start/End Time:</b>	1130 to 1330
<b>Project NTP(s):</b>	NTP-1, NTP-2		

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>Worker Environmental Awareness Program (WEAP) Training</b>	Yes	No	N/A
Is the WEAP 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? <b>Except for the scrapers.</b>	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 vegetation disturbance within work areas minimized?	X		
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 (wildlife, nesting birds, coastal California gnatcatcher, least Bell's vireo) 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		
Has 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	
Did you observe any threatened or endangered species? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts to 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)

The Mesa 500-kilovolt (kV) Substation (Mesa Substation), the Kiewit water line installation, and the transmission corridor work north of Potrero Grande Drive.

**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 1130, signed in, and began walking the Mesa Substation Project site.

The water level in the upper retention basin (i.e., the retention basin located near the middle of the Mesa Substation Project site) was much lower as compared to my previous site visit. The water from this retention basin continues to be used for dust control and compaction throughout the site (Photo 1). I noted a small number of birds (killdeer) gathered around the basin.

Horizontal directional drilling (HDD) operations for the subtransmission line were ongoing and appeared to be well contained. Equipment included the drill rig and the drilling mud mixing/recirculating machine (Photos 2 and 3).

Work on the water line has continued, with backfilling south of the bore hole (Photo 4) and form work on the water line manholes (Photo 6). A small Kiewit crew was working on the southern end of the new water line and had uncovered the old water line (Photo 9). The trench spoils had been stockpiled along the trench and were approximately 15 feet tall (Photo 10). The stockpiled trench spoils did not appear to have been sprayed with water for dust control; however, the soil was generally moist (APM-AIR-01).

Extensive work was being conducted around the 16-kV switchrack, and the aboveground structures were being put in place (Photo 5). ICF biological monitor Eric Willems was onsite and spot-checking the various work activities (APM-BIO-03).

Earthwork was ongoing at the Mesa Substation Project site, and it appeared that a portion of the stormwater drainage system had been installed (Photo 7). The westernmost retention basin was still full of water (MM HY-3) (Photo 8).

Crews were conducting earthwork activities in the southeastern portion of the Mesa Substation Project site using scrapers, a bulldozer, a motorgrader, and water trucks (APM-AIR-01, MM HY-1) (Photo 11). This work was taking place near the Environmentally Sensitive Area (ESA); therefore, ICF biological monitor Matt Daniele (APM-BIO-04, MM BR-2) was overseeing this aspect of the Mesa Substation Project. PaleoSolutions paleontological monitor Olivia Tierk was also onsite spot-checking earthwork activities (MM CR-4).

At the time of my site visit, the Market Place work appeared to be complete, with the storm drain headwall finished and the riprap installed (Photo 12). The restored slopes had also been stabilized with straw wattle best management practices (BMPs) (MM HY-1) (Photo 13). The straw wattles were plastic-lined, and this type of straw wattle can trap animals. Biological monitors noted the use of plastic-lined straw wattles in their Field Reporting Environmental Database (FRED) entries. Use of plastic-lined straw wattles is in conflict with SCE's Streambed Alteration Agreement Avoidance and Minimization Measure 2.28.

Kiewit work activities north of Potrero Grande Drive included an excavator exposing the old water line near the tie-in point (Photo 14) and backfilling of the water line (Photo 15). In the Kiewit yard, ESA buffer stakes had been placed around the tower with the red-tailed hawk nest (APM-BIO-06). I did not see either of the birds while I was onsite.

**MITIGATION MEASURES VERIFIED** (Refer to MMCRP, e.g., MM BR-9. Report only on MMs pertinent to your observations today)

All project personnel appear to have gone through the Worker Environmental Awareness Program (WEAP) training (MM BR-5).

See the mitigation measures (MMs) listed in the observed activities.

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

Dust control on spoil piles  
Bird surveys and buffers will be important

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

**COMPLIANCE SUMMARY**

Below please describe any non-compliance issues or new biological/cultural discoveries that have occurred since your last visit. If you observe a non-compliance issue in the field, please note this on the monitoring datasheet, and for non-compliance Level 2 or 3 fill out and submit a separate Non-Compliance Report Form to E & E Compliance Manager. Inform E & E CM of any non-compliance incidents.

- New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.
- Non-Compliance Level 1: An action that deviates from project requirements or results in the partial implementation of the mitigation measures, but has not caused, or has the potential to cause impacts on environmental resources. If you checked this box, describe the incident below and follow-up to ensure correction.
- Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report
- Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, notice to proceed), and/or violates local, state, or federal law. Examples include irreparable damage to archaeological sites, destruction of active bird nests, and grading of unapproved vegetated areas. A non-compliance Level 3 may also be issued if Level 2 incidents are repeated. If you checked this box, please fill out a Non-Compliance Report
- Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

Date	Non-Compliance Issue and Resolution	Relevant Mitigation Measure	NC Report #

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

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
2/6/18	Mesa Substation		Photo 1 – Temporary onsite retention basin. Photo facing south.
2/6/18	Mesa Substation		Photo 2 – The HDD recirculating equipment
2/6/18	Mesa Substation		Photo 3 – The HDD rig.



**REPRESENTATIVE SITE PHOTOGRAPHS**




Date	Location	Photo	Description
2/6/18	Mesa Substation		Photo 4 – Water line coming out of the exit hole and being backfilled. Photo facing southwest
2/6/18	Mesa Substation		Photo 5 – 16-kV switchrack area. Photo facing east

**REPRESENTATIVE SITE PHOTOGRAPHS**




Date	Location	Photo	Description
2/6/18	Mesa Substation		Photo 6 – Manhole work on the water line.
2/6/18	Mesa Substation		Photo 7 – Earthwork and storm drain installation in the retention basin. Photo facing east
2/6/18	Mesa Substation		Photo 8 – Retention basin. Photo facing northwest




**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
2/6/18	Mesa Substation		Photo 9 – Water line near the southern tie-in location. Photo facing southeast
2/6/18	Mesa Substation		Photo 10 – Spoil piles from the water line trench. Photo facing west
2/6/18	Mesa Substation		Photo 11 – Earthwork. Photo facing northwest

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
2/6/18	Mesa Substation Market Place		Photo 12 – Finished headwall for the storm drain. Photo facing southwest
2/6/18	Mesa Substation Market Place		Photo 13 – Restored slopes with straw wattle BMPs installed. Photo facing east
2/6/18	Mesa Substation		Photo 14 – Excavator exposing the old water line in preparation for tie-in work. Photo facing east



REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
2/6/18	Mesa Substation		Photo 15 – Backfilling the water line near the exit hole north of Potrero Grande Drive. Photo facing west.



## Mesa 500-kV Substation Project CPUC Site Inspection Form

<b>Project:</b>	Mesa 500-kV Substation Project	<b>Date:</b>	February 12, 2018
<b>Project Proponent:</b>	Southern California Edison	<b>Report #:</b>	VS016
<b>Lead Agency:</b>	California Public Utilities Commission	<b>Monitor(s):</b>	Vince Semonsen
<b>CPUC PM:</b>	Lisa Orsaba, Energy Division	<b>AM/PM Weather:</b>	Partly cloudy and cool with a slight breeze
<b>E &amp; E CM:</b>	Jenny Vick	<b>Start/End Time:</b>	1000 to 1200
<b>Project NTP(s):</b>	NTP-1, NTP-2		

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>Worker Environmental Awareness Program (WEAP) Training</b>	Yes	No	N/A
Is the WEAP 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? <b>Except for the scrapers.</b>	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 vegetation disturbance within work areas minimized?	X		
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 (wildlife, nesting birds, coastal California gnatcatcher, least Bell's vireo) 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		
Has 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	
Did you observe any threatened or endangered species? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts to 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)

The Mesa 500-kilovolt (kV) Substation (Mesa Substation), the Kiewit water line installation, and the transmission corridor work north of Potrero Grande Drive.

**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 1000 and my first stop was a location where earthwork was taking place, just south of the horizontal directional drilling (HDD) work (Photo 1). Equipment for the earthwork included scrapers, bulldozers, and water trucks. I did not note any issues with dust at this location (APM-AIR-01). HDD operations were ongoing for the subtransmission line (Photo 2). Water line work included backfilling south of the bore hole (Photo 3) and form work on the manholes (Photo 4).

I walked to the retention basin at the west end of the Mesa Substation Project site (MM HY-3). The retention basin was nearly full and had a pump in place for filling water trucks (Photo 5). Numerous pieces of equipment were parked just east of the retention basin (Photo 6). I looked under a number of the machines and noted that drip pans were in place and there were no leaks. Extensive work was being conducted within the 16-kV switchrack area (Photo 7).

A crew was pouring the foundation for the perimeter fence (Photo 9), and there was a concrete washout in place near the work area (Photo 8). The crew was using two small gas-powered generators for the vibrating equipment that settles the concrete, and both generators were placed on pieces of black plastic that were located adjacent to the large offsite drainage ditch (Photo 10). The ditch was full of water (Photo 11) flowing from an operation that was draining the old water line (Photo 12). This work was being conducted in preparation for tying the old water line into the new water line (Photo 13). I was concerned with both the containment under the generators and their location next to the drainage ditch, so I called the Mesa Project Coordinator Pete Lubich (ULM Services, Inc.) who had the crew upgrade the containment and move the generators away from the ditch.

Earthwork was ongoing in the southeastern portion of the Mesa Project site near the Environmentally Sensitive Area (ESA); therefore, ICF biological monitor Matt Daniele (APM-BIO-03, APM-BIO-04, MM BR-2) was overseeing this aspect of the project (Photo 14).

I walked across Potrero Grande Drive to observe the work activities. I noted a red-tailed hawk sitting on a nest built in a tower in the Kiewit yard (APM-BIO-06). The exit/entry best management practice (BMP) into the work area had rumble plates installed, but their placement allowed vehicles to easily avoid driving over them. Also, the rock around the plates needed improvements (Photo 15).

Crews were backfilling the water line north of Potrero Grande Drive (Photo 16). A pipeline crosses the new water line, but there is a suitable ramp into the hole (Photo 16).

**MITIGATION MEASURES VERIFIED** (Refer to MMCRP, e.g., MM BR-9. Report only on MMs pertinent to your observations today)

All project personnel appear to have gone through the Worker Environmental Awareness Program (WEAP) training (MM BR-5).  
See the mitigation measures (MMs) listed in the observed activities.

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

Dust control on spoil piles.  
Bird surveys and buffers will be important.



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

**COMPLIANCE SUMMARY**

Below please describe any non-compliance issues or new biological/cultural discoveries that have occurred since your last visit. If you observe a non-compliance issue in the field, please note this on the monitoring datasheet, and for non-compliance Level 2 or 3 fill out and submit a separate Non-Compliance Report Form to E & E Compliance Manager. Inform E & E CM of any non-compliance incidents.




- New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.
- Non-Compliance Level 1: An action that deviates from project requirements or results in the partial implementation of the mitigation measures, but has not caused, or has the potential to cause impacts on environmental resources. If you checked this box, describe the incident below and follow-up to ensure correction.
- Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report.
- Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, notice to proceed), and/or violates local, state, or federal law. Examples include irreparable damage to archaeological sites, destruction of active bird nests, and grading of unapproved vegetated areas. A non-compliance Level 3 may also be issued if Level 2 incidents are repeated. If you checked this box, please fill out a Non-Compliance Report.
- Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

Date	Non-Compliance Issue and Resolution	Relevant Mitigation Measure	NC Report #




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

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
2/12/18	Mesa Substation		Photo 1 – Earthwork near the central area of the Mesa Substation Project site. Photo facing southwest.
2/12/18	Mesa Substation		Photo 2 – The HDD equipment.
2/12/18	Mesa Substation		Photo 3 – Water line being backfilled near the exit hole. Photo facing southwest.



**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
2/12/18	Mesa Substation		Photo 4 – Crews are stripping the forms off of the water line manhole.
2/12/18	Mesa Substation		Photo 5 – The retention basin remains nearly full. Photo facing northwest.
2/12/18	Mesa Substation		Photo 6 – Equipment parked just east of the retention basin. Photo facing north.






REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
2/12/18	Mesa Substation		Photo 7 – Overview of the 16-kV switchrack construction. Photo facing north.
2/12/18	Mesa Substation		Photo 8 – Concrete washout area for pouring the perimeter wall.
2/12/18	Mesa Substation		Photo 9 – Pouring the perimeter fence foundation. Photo facing east.

**REPRESENTATIVE SITE PHOTOGRAPHS**




Date	Location	Photo	Description
2/12/18	Mesa Substation		Photo 10 – Generators set up on plastic located next to the drainage ditch.
2/12/18	Mesa Substation		Photo 11 – Water being drained from the water line. Photo facing west



**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
2/12/18	Mesa Substation		Photo 12 – Crew draining the old water line. Photo facing southwest
2/12/18	Mesa Substation		Photo 13 – New and old water line waiting to be tied in. Photo facing north.
2/12/18	Mesa Substation		Photo 14 – Earthwork near the ESA habitat. Photo facing east.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
2/12/18	Mesa Substation		Photo 15 – The exit/entry BMP into the work area north of Potrero Grande Drive.
2/12/18	Mesa Substation		Photo 16 – Backfilling the water line near the exit hole north of Potrero Grande Drive. Photo facing west.
2/12/18	Mesa Substation Project		Photo 17 – Exposed pipe over the newly installed water line. Photo facing north.



## Mesa 500–kV Substation Project CPUC Site Inspection Form

<b>Project:</b>	Mesa 500-kV Substation Project	<b>Date:</b>	February 21, 2018
<b>Project Proponent:</b>	Southern California Edison	<b>Report #:</b>	VS017
<b>Lead Agency:</b>	California Public Utilities Commission	<b>Monitor(s):</b>	Vince Semonsen Jenny Vick
<b>CPUC PM:</b>	Lisa Orsaba, Energy Division	<b>AM/PM Weather:</b>	Partly cloudy and cool with a slight breeze
<b>E &amp; E CM:</b>	Jenny Vick	<b>Start/End Time:</b>	1000 to 1230
<b>Project NTP(s):</b>	NTP-1, NTP-2		

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>Worker Environmental Awareness Program (WEAP) Training</b>	Yes	No	N/A
Is the WEAP 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? <i>Except for the scrapers.</i>	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 vegetation disturbance within work areas minimized?	X		
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 (wildlife, nesting birds, coastal California gnatcatcher, least Bell's vireo) 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		
Has 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	
Did you observe any threatened or endangered species? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts to 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)

The Mesa 500-kilovolt (kV) Substation (Mesa Substation), the Kiewit water line installation, and the transmission corridor work north of Potrero Grande Drive.

**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 was onsite at around 1000 and met with Jenny Vick (Ecology and Environment, Inc. [E & E] Project Manager), Lori Rangel (SCE Environmental Project Manager), Pete Lubich (ULM Service, Inc., Mesa Project Coordinator), and Craig Pernot (Power Grade Safety Lead). I checked the work north of Potrero Grande Drive while Jenny Vick toured other portions of the Mesa Substation Project site.

There were several excavated holes within the work area that were haphazardly covered with pieces of plywood (Photo 1). While the plywood did not seal the holes, the holes were surrounded by silt fencing that appeared to be adequate to keep animals from accessing or falling into the construction holes (MM BR-10). The northern tie-in to the new water line was complete and concrete had been poured around the connection (Photo 2). Crews were beginning to backfill the tie-in (Photo 3) and disassemble the concrete forms (Photo 4). ICF biological monitor Eric Willems and Noreas biological monitor Wayne Woodard were stationed near the tie-in work. Wayne Woodard is an avian biologist and was watching for nesting birds (APM-BIO-06). Eric Willems said two other biological monitors were onsite, including Matt Daniele (ICF) who was stationed at the Environmentally Sensitive Area (ESA) (APM-BIO-03, APM-BIO-04, MM BR-2).

A crew was installing best management practices (BMPs) within a newly cleared segment of the Mesa Substation Project site along Potrero Grande Drive (MM HY-1) (Photo 5).

I met with E & E Project Manager Jenny Vick, SCE Environmental Project Manager Lori Rangel, and Power Grade Safety Lead Craig Pernot to look over the work taking place in the Whittier Narrows Recreation Area. We drove to the two tower locations where cable routed down from the towers was trenched in and then strung over to some other wooden poles (Photo 6). Generally, trenching work remained within existing dirt roads; additional work is planned for this area.

At the SCE office, I spoke with E & E Project Manager Jenny Vick and SCE Environmental Project Manager Lori Rangel about communication between the California Public Utilities Commission (CPUC), the project contractors, and the onsite monitors.

I walked through the main Mesa Substation Project site and noted continuing construction efforts. Horizontal directional drilling (HDD) work (Photos 7 and 8) and earthwork (Photo 10) was ongoing. Backfilling the water line was also taking place (Photo 9). The retention basin was still quite full (MM HY-3) and was being used for dust control (APM-AIR-01) (Photo 11). Trenching work focused on the stormwater drainage system, and there were numerous drainage pipes stockpiled onsite (Photos 12 and 13). The southern tie-in for the water line appeared to be complete and awaiting backfilling (Photo 14).

**MITIGATION MEASURES VERIFIED** (Refer to MMCRP, e.g., MM BR-9. Report only on MMs pertinent to your observations today)

All project personnel appear to have gone through the Worker Environmental Awareness Program (WEAP) training (MM BR-5).

See the mitigation measures (MMs) listed in the observed activities.

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

Dust control on spoil piles.

Bird surveys and buffers will be important.

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

**COMPLIANCE SUMMARY**




Below please describe any non-compliance issues or new biological/cultural discoveries that have occurred since your last visit. If you observe a non-compliance issue in the field, please note this on the monitoring datasheet, and for non-compliance Level 2 or 3 fill out and submit a separate Non-Compliance Report Form to E & E Compliance Manager. Inform E & E CM of any non-compliance incidents.

- New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.
- Non-Compliance Level 1: An action that deviates from project requirements or results in the partial implementation of the mitigation measures, but has not caused, or has the potential to cause impacts on environmental resources. If you checked this box, describe the incident below and follow-up to ensure correction.
- Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report
- Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, notice to proceed), and/or violates local, state, or federal law. Examples include irreparable damage to archaeological sites, destruction of active bird nests, and grading of unapproved vegetated areas. A non-compliance Level 3 may also be issued if Level 2 incidents are repeated. If you checked this box, please fill out a Non-Compliance Report
- Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

Date	Non-Compliance Issue and Resolution	Relevant Mitigation Measure	NC Report #




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

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
2/21/18	Mesa Substation – North of Potrero Grande Drive		Photo 1 – Holes covered with plywood and surrounded by silt fence.
2/21/18	Mesa Substation – North of Potrero Grande Drive		Photo 2 – Water line tie-in location. Photo facing east.
2/21/18	Mesa Substation – North of Potrero Grande Drive		Photo 3 – Water line being backfilled near the tie-in. Photo facing southwest.



**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
2/21/18	Mesa Substation – North of Potrero Grande Drive		Photo 4 – Crews are stripping the forms off of the water line. Photo facing east.
2/21/18	Mesa Substation		Photo 5 – BMP installation in a newly cleared area. Photo facing southwest.
2/21/18	Mesa Substation – Whittier Narrows		Photo 6 – Underground cable work.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
2/21/18	Mesa Substation		Photo 7 – HDD work.
2/21/18	Mesa Substation		Photo 8 – HDD equipment.



**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
2/21/18	Mesa Substation		Photo 9 – Backfilling the water line. Photo facing southwest.
2/21/18	Mesa Substation		Photo 10 – Earthwork. Photo facing south.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
2/21/18	Mesa Substation		Photo 11 – Retention basin. Photo facing west.
2/21/18	Mesa Substation		Photo 12 – Installation of stormwater drainage system. Photo facing west.
2/21/18	Mesa Substation		Photo 13 – Stockpiled drainage pipe. Photo facing north.



REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
2/21/18	Mesa Substation		Photo 14 – Southern water line tie-in. Photo facing east.