



September 4, 2018

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

Re: Monthly Report Summary #10 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 **July 1 to 31, 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 **July 13, 18, 23, and 31, 2018**. 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 the 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 July 2018 provided a compliance summary and included a description of construction activities from July 1 to 31, 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 July 2018 reporting period, SCE did not self-report any compliance incidents. The following compliance incidents were documented by the CPUC Compliance Monitor:

- July 18 and 23, 2018: On July 18, 2018, the CPUC Compliance Monitor observed two concrete washout bins near the northeast corner of the 66-kV switchrack area that were full and in disrepair. The Compliance Monitor also observed concrete washout on the ground near the bins. The bins were still in this condition during the subsequent site visit on July 23, 2018. The washout was cleaned up by the next site visit (July 31, 2018). This incident conflicts with: MM HY-1: Stormwater Pollution Prevention Plan, which requires project-related spills be cleaned up immediately; Avoidance and Minimization Measures (AMM) 2.34: Pollutants and Debris, which states no materials from construction, including concrete washings, shall be allowed to contaminate the soil; and AMM 2.35: Hazardous Substances, which requires concrete washings be prevented from contaminating the soil.
- July 31, 2018: The CPUC Compliance Monitor observed that the plywood over an excavation at the Mesa Operations Building site did not completely cover the excavation, such that small animals could fall into the hole. The cover was repositioned and the excavation was completely sealed later that day. This incident conflicts with MM BR-10, which states that excavations must be covered at the end of each day or completely fenced off at night in such a way that wildlife cannot become entrapped.

Noise Compliance

During the July 2018 reporting period, there were no exceedances of the stipulated noise levels.

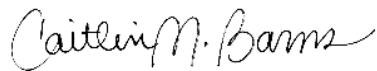
Public Concerns

There were no public concerns during July 2018.

Minor Approvals

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

Sincerely,



Caitlin Barns
Project Manager, Ecology and Environment, Inc.

cc:
Lori Rangel, SCE
Don Dow, SCE

ATTACHMENT 1

CPUC Site Inspection Reports
July 13, 18, 23, and 31, 2018



Mesa 500–kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	July 13, 2018
Project Proponent:	Southern California Edison	Report #:	VS031
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Lisa Orsaba, Energy Division	AM/PM Weather:	Clear and warm with a slight breeze
E & E CM:	Jenny Vick	Start/End Time:	1130 to 1400
Project NTP(s):	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)

Worker Environmental Awareness Program (WEAP) Training	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		
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? Except for the scrapers.	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 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		

Biology	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	
Cultural and Paleontological Resources	Yes	No	N/A
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?			X
Are archaeological and paleontological monitors onsite, if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?			X
Have there been any work stoppages for cultural/paleo resources? If yes, describe below.		X	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used on site properly managed?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are required fire prevention and control measures in place?	X		
Are contaminated soils properly managed for onsite storage or offsite disposal?	X		
Work Hours and Noise	Yes	No	N/A
Are required night lighting reduction measures in place?			X
Is construction occurring within approved hours?	X		
Are required noise control measures in place?			X

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

The Mesa Substation, storm drain, horizontal directional drilling (HDD) work at Potrero Grande Drive, and Transmission Corridor north of Potrero Grande Drive and south of Highway 60.

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 and informed Mesa Project Coordinator Pete Lubich (ULM Services, Inc.) that I was onsite.

I checked the drainage pipe in the bottom of the detention basin to confirm its height (approximately 6 feet) and the diameter of the holes (1 inch) in the lower/horizontal portion of the pipe (Photo 1). I then went to the main Southern California Edison (SCE) office to speak with Project Engineer Scott Lacy (SCE) to discuss the stormwater containment plan; however, he was not in the office.

I went back onsite and walked to the Senior Mechanical Electrical Equipment Room (MEER) (Photo 2). The forms had been stripped off of the walls and crews were installing the rebar in the floor, as it too will be poured cement.

The Potrero Grande Drive HDD operation was complete and the entire area had been cleaned up and backfilled. Water trucks were regularly spraying the Mesa Substation site (APM-AIR-01, MM HY-1).

The storm drain line was still open at a number of locations, some with the pipe capped and some with it remaining open (Photos 3, 4, and 5). The Markland Avenue tie-in on storm drain line G had been completed and backfilled, with installation of lateral lines still being worked on (Photo 6). A generator was being used at this location and was staged on a plastic-lined, wooden containment structure.

Weeds were growing on the banks of the detention basin. Some of the weeds were large Russian thistle (aka tumbleweed) (Photo 7). Removal of these weeds is recommended before they break off and begin to "tumble," or they will be spreading seed both onsite and offsite (MM BR-4).

Photos 8 and 9 show the 12-kilovolt (kV) and 66-kV switchrack areas. Work at the 66-kV switchrack area included trenching and conduit installation (Photo 10), pouring foundations (Photo 11), and drilling (Photo 12). The drilled holes were covered with metal plates (MM BR-10). Lead biological monitor Matt Daniele (ICF) and avian biological monitor Wayne Woodroof (Noreas) were working near the 66-kV switchrack area. We discussed the exit ramps for the conduit trenches (MM BR-1, APM-BIO-03, MM BR-90). Matt Daniele and Wayne Woodroof said they had developed a system for this and that they expected these trenches to be slurried by the end of the day.

Photos 13 and 14 show the ripped Market Place storm drain location and the new storm drain piping that will eventually be connected. Currently, water that collects in the ripped storm drain is removed via an electric pump and deposited into the new storm drain.

HDD work at the Market Place was complete, and work would be shifting to pulling the conduit (Photo 15). The drilling equipment had been demobilized, but most of it remained onsite. The large drill rig had a combination drip pan and plastic catch basin under it, but it needed some maintenance (Photo 16). Before leaving the site, I sent a text to lead biological monitor Matt Daniele (ICF) and Mesa Project Coordinator Pete Lubich (ULM Services, Inc.) about upgrading the catch basin.

I walked through the Mesa Operations Building Site where crews were trenching and installing pipe/conduit.

North of Potrero Grande Drive, earthwork was being conducted by crews using a front loader, dozer, scraper, and water truck (Photos 17 and 18). Paleontological monitor Bobby Ebelhar (Paleo Solutions) was onsite checking this work (MM CR-4).

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)

Escape ramps, Russian thistle trimming, and dust control.

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

How is the detention basin going to be utilized?

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




REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/13/18	Mesa Substation		Photo 1 – Stand pipe in the bottom of the detention basin.
7/13/18	Mesa Substation		Photo 2 – The Senior MEER with newly poured walls. Photo facing south.



REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/13/18	Mesa Substation		Photo 3 – Storm drain work continues along the northern border of the Mesa Substation site. Photo facing west.
7/13/18	Mesa Substation		Photo 4 – An open storm drain pipe. Photo facing east.
7/13/18	Mesa Substation		Photo 5 – A storm drain with capped pipe. Photo facing east.




REPRESENTATIVE SITE PHOTOGRAPHS




Date	Location	Photo	Description
7/13/18	Mesa Substation		<p>Photo 6 – Markland Avenue storm drain tie-in area. The main tie-in work has been completed and backfilled; lateral lines are shown in the photo. Photo facing west.</p>
7/13/18	Mesa Substation		<p>Photo 7 – Detention basin showing weeds growing on the banks. Photo facing southwest.</p>
7/13/18	Mesa Substation		<p>Photo 8 – 16-kV switchrack area. Photo facing northwest.</p>

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/13/18	Mesa Substation		Photo 9 – 66-kV switchrack area. Photo facing east.
7/13/18	Mesa Substation		Photo 10 – Conduit trench near the 66-kV switchrack.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/13/18	Mesa Substation		Photo 11 – Pouring foundations at the 66-kV switchrack. Photo facing north.
7/13/18	Mesa Substation		Photo 12 – Drilling foundation holes near the 66-kV switchrack. Photo facing northwest.
7/13/18	Mesa Substation		Photo 13 – Market Place drain outfall into the Mesa Substation site. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
7/13/18	Mesa Substation		Photo 14 – New storm drain system near the Market Place drain outfall. Photo facing southwest.
7/13/18	Mesa Substation		Photo 15 – Market Place HDD operation, equipment has been moved. Photo facing north.
7/13/18	Mesa Substation		Photo 16 – Large HDD rig with drip containment.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/13/18	Mesa Substation		Photo 17 – Earth moving activity north of Potrero Grande Drive. Photo facing west.
7/13/18	Mesa Substation		Photo 18 – Clean-up of the HDD activity north of Potrero Grande Drive. Photo facing west.



Mesa 500-kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	July 18, 2018
Project Proponent:	Southern California Edison	Report #:	VS032
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Lisa Orsaba, Energy Division	AM/PM Weather:	Partly cloudy and mild temperatures with a slight breeze
E & E CM:	Jenny Vick	Start/End Time:	1215 to 1430
Project NTP(s):	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)

Worker Environmental Awareness Program (WEAP) Training	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		
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? Except for the scrapers.	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 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		
Biology	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	
Cultural and Paleontological Resources	Yes	No	N/A
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?			X
Are archaeological and paleontological monitors onsite, if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?			X
Have there been any work stoppages for cultural/paleo resources? If yes, describe below.		X	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used on site properly managed?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are required fire prevention and control measures in place?	X		
Are contaminated soils properly managed for onsite storage or offsite disposal?	X		
Work Hours and Noise	Yes	No	N/A
Are required night lighting reduction measures in place?			X
Is construction occurring within approved hours?	X		
Are required noise control measures in place?			X

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

The Mesa Substation, storm drain, horizontal directional drilling (HDD) work at the Market Place, and Transmission Corridor north of Potrero Grande Drive and south of Highway 60.

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 1215 and informed Mesa Project Coordinator Pete Lubich (ULM Services, Inc.) that I was onsite.

A crew was working in the Senior Mechanical Electrical Equipment Room (MEER) and placing rebar in preparation of the cement pour for the floor (Photo 1). According to Power Grade foreman Willie Clark, this will be a significant pour. I looked at the storm drain pipe hole near the Senior MEER and it had been flagged off. The drainage pipe was capped, and an earthen escape ramp was in place (MM BR-10) (Photo 2).

I observed two concrete washout bins near the northeast corner of the 66-kilovolt (kV) switchrack area. They were almost full and the coverings were in disrepair. It appeared that some washouts were being performed on the ground near these bins (Photo 3). I spoke with Power Grade foreman Willie Clark about the bins and he said the crews would be swapping the bins on the day of my site visit and the area would be cleaned up. Lead biological monitor Matt Daniele (ICF), avian biological monitor Wayne Woodroof (Noreas), and biological monitor Bob Huttar (Noreas) were onsite (MM BR-1, APM-BIO-03, MM BR-90). I spoke with Matt Daniele about the Mesa Substation Project, and I mentioned the concrete washout bins. He said he would follow up with Willie Clark.

I observed water trucks regularly spraying the Mesa Substation site (APM-AIR-01, MM HY-1).

Numerous storm drain pipes remained open (Photos 4 and 5).

Work was ongoing at both the 12-kV and 66-kV switchrack areas. Work was concentrated around the 66-kV switchrack area, including conduit installation (Photo 6), overhead installation (Photo 7), and trenching (Photo 8).

A small HDD was operating at the Market Place and pulling conduit through the larger plastic pipe (Photo 9). Most of the HDD crew was now east of Market Place and gluing the plastic conduit (Photo 11).

At the Mesa Operations Building Site, crews were trenching and installing piping/conduit (Photo 10).

North of Potrero Grande Drive, crews were conducting earthwork using numerous pieces of heavy equipment (Photo 12). Paleontological monitor Olivia Terk (Paleo Solutions) was onsite to check this work (MM CR-4).

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)

Escape ramps, concrete washout, and dust control.

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

How is the detention basin going to be utilized?

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
7/18/18	Mesa Substation		<p>Photo 1 – The Senior MEER crews are installing rebar in the floor. Photo facing south.</p>
7/18/18	Mesa Substation		<p>Photo 2 – The Senior MEER storm drain inlet remains open; the pipe is capped and there is an exit ramp. Photo facing south.</p>
7/18/18	Mesa Substation		<p>Photo 3 – Concrete washout bins near the 66-kV switchrack. They are full to overflowing and poorly covered; some washout appears to have been performed outside of the bins.</p>



REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/18/18	Mesa Substation		Photo 4 – Open storm drain pipe. Photo facing east.
7/18/18	Mesa Substation		Photo 5 – Markland Avenue storm drain tie-in area; lateral lines still need to be completed. Photo facing west.
7/18/18	Mesa Substation		Photo 6 – 66-kV switchrack; conduit trench has been backfilled.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/18/18	Mesa Substation		Photo 7 – Overhead installation taking place at the 66-kV switchrack area. Photo facing southeast.
7/18/18	Mesa Substation		Photo 8 – Trenching within the 66-kV switchrack area. Photo facing south.
7/18/18	Mesa Substation		Photo 9 – Market Place HDD operation, now pulling conduit. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/18/18	Mesa Substation		Photo 10 – Mesa Operations Building Site; underground utilities work continues. Photo facing north.
7/18/18	Mesa Substation		Photo 11 – Market Place HDD operation; a crew east of Market Place Drive is gluing the conduit pipe. Photo facing west.
7/18/18	Mesa Substation		Photo 12 – Earthwork north of Potrero Grande Drive. Photo facing northeast.



Mesa 500–kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	July 23, 2018
Project Proponent:	Southern California Edison	Report #:	VS033
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Lisa Orsaba, Energy Division	AM/PM Weather:	Breezy, clear, and hot (100°F)
E & E CM:	Jenny Vick	Start/End Time:	1415 to 1615
Project NTP(s):	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)

Worker Environmental Awareness Program (WEAP) Training	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		
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? <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		
Work Areas	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		

Biology	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	
Cultural and Paleontological Resources	Yes	No	N/A
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?			X
Are archaeological and paleontological monitors onsite, if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?			X
Have there been any work stoppages for cultural/paleo resources? If yes, describe below.		X	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used on site properly managed?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are required fire prevention and control measures in place?	X		
Are contaminated soils properly managed for onsite storage or offsite disposal?	X		
Work Hours and Noise	Yes	No	N/A
Are required night lighting reduction measures in place?			X
Is construction occurring within approved hours?	X		
Are required noise control measures in place?			X

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

The Mesa Substation, storm drain, horizontal directional drilling (HDD) work at the Market Place, and Transmission Corridor north of Potrero Grande Drive and south of Highway 60.

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 1415 and informed Mesa Project Coordinator Pete Lubich (ULM Services, Inc.) that I was onsite. I attempted to connect with Project Engineer Scott Lacy (SCE), but I was informed that he would be offsite until later in the week.

At the Senior Mechanical Electrical Equipment Room (MEER), the concrete floor had been poured and crews were using a crane to hoist steel girders into the building (Photo 1). I checked the concrete washout bins, which were nearly full and covered in plastic (Photos 3 and 5). The concrete spillage noted during my previous site visit had not been cleaned up. I pointed this out to lead biological monitor Matt Daniele (ICF) and also spoke to Mesa Project Coordinator Pete Lubich (ULM Services, Inc.) regarding the bins. Pete Lubich said he would pass on my concerns to the Power Grade foreman Willie Clark.

Paleontological monitor Olivia Terk (Paleo Solutions) was onsite along with avian biological monitor Wayne Woodroof (Noreas) and biological monitor Linette Davenport (Borrego) (MM BR-1, APM-BIO-03, MM BR-90, MM CR-4).

New trenching for storm drain pipes was being conducted, and spoil piles were 10 to 12 feet high (Photos 2 and 4). Water trucks were regularly spraying the Mesa Substation site, but I asked Mesa Project Coordinator Pete Lubich (ULM Services, Inc.) to ensure the spoil piles were sprayed with water before the end of the day (APM-AIR-01, MM HY-1). I also spoke with avian biological monitor Wayne Woodroof (Noreas) and lead biological monitor Matt Daniele (ICF) about dust control.

Crews were working at both the 12-kilovolt (kV) and 66-kV switchrack areas (Photo 6). Some excavation work and foundation pours were being completed at the 66-kV switchrack area.

Manholes for the storm drain system were being formed, poured, and backfilled (Photo 7).

At the Market Place, the HDD crew had just slurried a bundle of conduit. The crew was circulating water through the pipes to keep the pipes cool during the curing process (Photo 8). A crew is onsite 24/7 to monitor the water cooling process.

Water in the rippapped storm drain basin was still being pumped out using a small generator that was contained (Photo 9).

Crews were conducting trenching work and installing pipe/conduit at the Mesa Operations Building Site (Photo 10). Some of the trenches needed escape ramps (MM BR-10).

North of Potrero Grande Drive, finish grading was being conducted (Photo 11). I noted one of the street drains located near the HDD work area north of Potrero Grande Drive was nearly full of dirt and debris, and the silt fencing was down (Photo 12). This area should be evaluated by the Stormwater Pollution Prevention Plan (SWPPP) inspector and possibly regraded and stabilized before the next rain event (MM HY-1).

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)

Escape ramps and dust control.
Concrete washout
How is the detention basin going to be utilized?

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
7/23/18	Mesa Substation		Photo 1 – The Senior MEER with the floor now poured. Photo facing south.
7/23/18	Mesa Substation		Photo 2 – Spoil piles from additional storm drain trenching.
7/23/18	Mesa Substation		Photo 3 – Concrete washout bins near the 66-kV switchrack. The bins were replaced, but the spillage was not cleaned up.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/23/18	Mesa Substation		Photo 4 – New storm drain trench. Photo facing north.
7/23/18	Mesa Substation		Photo 5 – Concrete washout bin. Photo facing south.
7/23/18	Mesa Substation		Photo 6 – 66-kV switchrack area. Photo facing south.



REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/23/18	Mesa Substation		Photo 7 – Manholes are being formed and poured along the storm drain line.
7/23/18	Mesa Substation		Photo 8 – Market Place HDD work; a crew is circulating water through the conduit pipes. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/23/18	Mesa Substation		Photo 9 – Contained generator used to pump out the water coming in from offsite. Photo facing east.
7/23/18	Mesa Substation		Photo 10 – Mesa Operations Building Site; underground utilities work continues. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/23/18	Mesa Substation		Photo 11 – Finish grading being done along the telecommunications line north of Potrero Grande Drive. Photo facing southwest.
7/23/18	Mesa Substation		Photo 12 – Street drain onto Potrero Grande Drive needs some maintenance and BMPs.



Mesa 500–kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	July 31, 2018
Project Proponent:	Southern California Edison	Report #:	VS034
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Lisa Orsaba, Energy Division	AM/PM Weather:	Scattered clouds, warm, and breezy
E & E CM:	Caitlin Barns	Start/End Time:	1130 to 1400
Project NTP(s):	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)

Worker Environmental Awareness Program (WEAP) Training	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		
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? Except for the scrapers.	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 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		

Biology	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	
Cultural and Paleontological Resources	Yes	No	N/A
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?			X
Are archaeological and paleontological monitors onsite, if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?			X
Have there been any work stoppages for cultural/paleo resources? If yes, describe below.		X	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used on site properly managed?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are required fire prevention and control measures in place?	X		
Are contaminated soils properly managed for onsite storage or offsite disposal?	X		
Work Hours and Noise	Yes	No	N/A
Are required night lighting reduction measures in place?			X
Is construction occurring within approved hours?	X		
Are required noise control measures in place?			X

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

The Mesa Substation, storm drain, horizontal directional drilling (HDD) work at the Market Place, and Transmission Corridor north of Potrero Grande Drive and south of Highway 60.

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 and informed Mesa Project Coordinator Pete Lubich (ULM Services, Inc.) that I was onsite.

At the Senior Mechanical Electrical Equipment Room (MEER), the steel girders were being installed within the building (Photo 1).

Additional gravel had been brought in near the Mesa Substation site entrance for expanding the parking area and creating a staging area (Photo 2).

A crew with an excavator was digging/trenching a shallow (12 inches), wide (15 feet) swath east of the 66-kilovolt (kV) switchrack area (Photo 3).

Work on the storm drain manholes was being conducted during my site visit; the crew had the necessary equipment contained on pallets so it could be easily transported to the various sites (Photos 4 and 5). Lead biological monitor Matt Daniele (ICF) said that if ground squirrels had burrows under any of the storm drain pipes that they would use dryer vents, installed in the burrow openings, to provide the animals with a way out but not a way back in. This is a well-known technique used for burrowing owls. They would be employing this technique immediately before these areas were poured and backfilled.

The wind was picking up, and water trucks were regularly spraying the Mesa Substation site during my site visit (APM-AIR-01, MM HY-1).

Excavation and foundation work was taking place at both the 12-kV and 66-kV switchrack areas (Photos 6 and 9).

During my site visit, tie-in and manhole work was continuing at the Markland Avenue area, with work beginning on the installation of a lateral line (Photos 7 and 8).

I spoke with Power Grade foreman Willie Clark about job progress and the upcoming schedule.

Concrete trucks were arriving to slurry in one of the large storm drain pipes (Photo 10). All of the trucks were washing out into the trench.

A crew was entering the storm drain system through the manholes and dismantling the forms inside the pipe (Photo 11).

At the Market Place, the HDD crew was monitoring water circulation through the newly slurried conduit (Photos 12 and 13); this was a 24/7 operation. The water pumps were all well contained.

I noted a covered hole as I walked toward the Mesa Operation Building Site. The area had been cordoned off with markers and construction tape, and boards had been placed over the hole (Photo 14); however, the boards did not completely seal the hole, so animals could easily crawl under the boards and fall into the hole (MM BR-10). I called lead biological monitor Matt Daniele (ICF) and we looked at the site. Matt Daniele said he would make sure the hole was completely sealed before the end of the day. He said he would attempt to look into the hole to see if any animals had already fallen in. At the Mesa Operations Building Site, crews continued to install pipe/conduit (Photo 15). The crew expected to be pouring these trenches soon.

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)

Escape ramps and dust control.
How is the detention basin going to be utilized?

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




REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/31/18	Mesa Substation		Photo 1 – The Senior MEER with steel being installed. Photo facing south.
7/31/18	Mesa Substation		Photo 2 – Additional gravel has been brought in. Photo facing west.
7/31/18	Mesa Substation		Photo 3 – Excavation activity. Photo facing south.




REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/31/18	Mesa Substation		Photo 4 – Contained equipment used on the manhole work.
7/31/18	Mesa Substation		Photo 5 – Manhole work on the storm drains. Photo facing east.
7/31/18	Mesa Substation		Photo 6 – 66-kV switchrack area. Photo facing south.




REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/31/18	Mesa Substation		Photo 7 – Manhole work near Markland Avenue. Photo facing west.
7/31/18	Mesa Substation		Photo 8 – Storm drain lateral lines being installed near Markland Avenue. Photo facing north.
7/31/18	Mesa Substation		Photo 9 – Some excavation and foundation work continues near the 66-kV switchrack area. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/31/18	Mesa Substation		Photo 10 – Storm drain being slurried in. Photo facing south.
7/31/18	Mesa Substation		Photo 11 – Crews working inside the storm drains. Photo facing east.
7/31/18	Mesa Substation		Photo 12 – Water pumps for the Market Place HDD operation. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/31/18	Mesa Substation		<p>Photo 13 – Market Place HDD operation circulating water through the conduit. Photo facing east.</p>
7/31/18	Mesa Substation		<p>Photo 14 – Covered hole near the east entrance to the Mesa Substation site; note the openings around the boards. Photo facing north.</p>
7/31/18	Mesa Substation		<p>Photo 15 – Mesa Operations Building Site with trenches, conduit, and rebar. Photo facing north.</p>