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Member of WSP

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January 13, 2020

Connie Chen
Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Re: Monthly Report Summary #17 for the Mesa 500-kV Substation Project

Dear Ms. Chen,

This report provides a summary of the compliance monitoring activities that occurred during the period from **February 1 to 28, 2019**, 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 2, 6, 12, and 27, 2019**. 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).

Several compliance concerns occurred during the period from February 1 to 28, 2019, however, 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 pertained to 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 automated database notifications from SCE, provided additional compliance information and construction summaries. Furthermore, SCE's monthly compliance status report for February 2019 provided a compliance summary and included a description of construction activities from February 1 to 28, 2019, a detailed look-ahead construction schedule, a summary of compliance with Mesa Substation Project commitments (i.e., the 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 2019 reporting period, SCE self-reported two non-project related compliance observations, one project related compliance observation, and two project-related compliance incidents. The compliance observations and compliance incidents are described below.

- On February 5, 2019, a biologist observed a non-project Market Place crew trimming and removing vegetation and replacing orange fencing within the 100' buffer for the coastal sage scrub ESA (Restricted Use Area) in Grading Area 2B. The incident was observed in the Mesa Substation footprint within coastal sage scrub California Gnatcatcher listed habitat. The area affected was surveyed and was completely inside disturbance limits. This was a Compliance observation and was out of compliance with **MM BR-9: Construction** Monitoring and with procedures outlined in the project's Nesting Bird Management Plan.
- On February 6, 2019, a biologist observed a crane without secondary containment underneath it that was slowly leaking oil onto the ground. The incident was observed at the new 220kV rack on and was not within any listed species habitat. The area affected was surveyed and was completely within approved disturbance limits, with no further impacts visible. The contractor was notified, and the spill was cleaned up. This was a self-reported Compliance incident and was out of compliance with SAA AMM 2.35 Hazardous Substances.
- On February 11, 2019, a biologist observed a non-project related SCE Transmission employee drive and park his pick-up into a nest buffer (FRED Nest Event RTHA-0185). The employee left his parked pick-up truck (within the nest buffer) and walked over to the ESPs laying on the ground approximately feet 250 west of the nest. This work is not related to the Mesa Substation Project. The incident was observed in the old Kiewit Yard North of Potrero Grande and East of Saturn Dr., and was not within any listed species habitat. The area affected was surveyed and was completely inside approved disturbance limits, with no further impacts visible. This incident conflicts with **MM BR-9: Construction Monitoring** and with procedures outlined in the project's Nesting Bird Management Plan.
- On February 12, 2019, a biologist observed two SCE manlifts, one SCE forklift, and one ILB box truck lacking secondary containment underneath while staged in the racks at Mesa Substation. The incident was observed at 66kV Rack and 66kV Capacitor Bank South and was not within any listed species habitat. The area affected was surveyed and was completely within approved disturbance limits, with no further impacts visible. This was a Compliance observation and was out of compliance with **MM HYD-1: Stormwater Pollution Prevention**.
- On February 25, 2019, a biologist observed a crane leaking hydraulic fluid onto the ground. The incident was observed at the new 220kV rack and was not within any listed species habitat. The area affected was surveyed and was completely within approved disturbance limits, with no further impacts visible. This was a self-reported Compliance incident and was out of compliance with SAA AMM 2.35 Hazardous Substances.

During the February 2019 reporting period, the CPUC Compliance Monitor reported the following compliance concerns:

- On February 6, 2019, the CPUC Compliance Monitor observed a berm that required repairs. The berm is intended to redirect surface flows, including pumped conduit vault water, into the detention basin. The Compliance Monitor indicated that the berm required repairs prior to upcoming forecasted rain events, to reinstate redirection of surface flows into the large detention basin.
- On February 6, 2019, the CPUC Compliance Monitor noted that although SCE had re-sealed the standpipe in the large detention basin with plastic and installed gravel bags, this may not effectively retain water within the basin, as the plastic sheeting failed previously.

- On February 12, 2019, the CPUC Compliance Monitor noted that the Caltrans channel contained a significant amount of sediment had dropped out in it just downstream of the southern wall gate opening The Compliance Monitor indicated that the diversion berm was breached and water flowed along a portion of the southern wall and eroded some of the fine, grey colored sand used to backfill the wall, and then subsequently eroded the small slope in the gate opening. Removing remaining sediment was recommended.
- On February 20, 2019, the CPUC Compliance Monitor observed that both entry/exits needed maintenance since dirt and mud filled in around the rock and inside the rumble plates. In addition, the concrete washout location also needed maintenance, as all the bins were full, and concrete spilled over the plastic ground cover.
- On February 27, 2019, the CPUC Compliance Monitor examined the Caltrans channel and noted that sediment was still there. Recent rain events had washed away some of the sediment from the upper portion of the channel. The Compliance Monitor also inspected the drainage system located outside of the southern border wall and noticed no changes to the BMPs or the drain inlet grate. The Compliance Monitor recommended upgrading this area since the grate easily clogs up during a rain event.

During the February 2019 reporting period, the CPUC did not issue a Non-Compliance.

Noise Compliance
There were no noise exceedances during the February 2019 reporting period.

Spills
During the February 2019 reporting period, there were no documented spills.

Public Concerns
There were no public concerns during February 2019.

Minor Project Changes
On December 20, 2018, SCE submitted MPC Request 003, MPC Request 004, and MPC Request 005 to the CPUC. As of February,28, 2019, MPC Request 004 remains under review.

During February 2019, two Minor Project Changes (MPC) were approved (see Table 1).

Table 1: Minor Project Change Approvals for February 2019.

Description	Approval Date
MPC-03 included bypassing the circuits in one of the three sets of underground casings beneath Potrero Grande Drive by re-orienting these lines to an overhead configuration.	February 5, 2019
MPC-05 included the installation of new switches on three 66-kV circuits.	February 18, 2019

Sincerely,

Silvia Yanez
Project Manager, Ecology and Environment, Inc.
cc:
Lori Rangel, SCE
Don Dow, SCE

ATTACHMENT 1

CPUC Site Inspection Reports

February 6, 12, 20, and 27, 2019

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	February 6, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS059
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Clear, cool, and breezy
E & E CM:	Ilja Nieuwenhuizen	**Start/End Time:**	1430 to 1545
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 work, the stormwater drainpipe installation, conduit installation work, and the Transmission Corridor work 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 at 1430 and notified the Project Coordinator, Pete Lubich (ULM Services, Inc.), that I was onsite.

Work continued at the Senior Mechanical Electrical Equipment Room (MEER) building, despite the wet and muddy conditions – Photo 1.

The concrete channel surrounding the substation was full, and crews were pumping the water out of this channel and into the project site – Photos 2, 3, & 4. The crews were using a large pump with a 4-inch hose; therefore, a large quantity of water was running through the project site and being collected at the detention basin – Photos 5 & 6.

Crews added rock around the base of the standpipe, and a small pond of water remained in the detention basin – Photos 7 & 8. The rock appeared to have extensive flotsam on it, indicating that water had filled the retention basin to the top of the rock pile, at a minimum. While I was at this location, the ponded water was not getting higher, although I estimated that 100 gallons per minute of water were entering the detention basin – Photos 6 & 10. I speculated that, once again, the new containment strategy (i.e., rock and filter fabric) held water until it was approximately 5 feet deep and then the pressure from the water blew out the containment and allowed it to drain out.

The small "triangular" retention basin in the northwestern portion of the project site was filled with water that was draining out through the standpipe – Photo 9.

Biological monitors Wayne Woodroof (Noreas) and Ben Smith (ICF) were onsite and we discussed the project.

The diversion berm along the southern portion of the project, which directs all the rainwater runoff coming from the southern portion of the project site away from the southern boundary wall and the smaller "triangular" basin and into the large detention basin, was breached by the rainwater runoff – Photo 12. I spoke with the Power Grade foreman, Willie Clark, who said the berm was breached sometime during the night. When he arrived in the morning, he used a motorgrader to cut another berm inside of the old one – Photo 12. Thus, for an unknown duration of time, a large volume of runoff cut over to the southern wall, ran along the wall to the gap, and exited the project site via the offsite concrete channel. The water eroded some of the fill material along the wall and some of the slope down to the channel. The slope had already been backfilled when I arrived onsite – Photo 11.

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 completed 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)

Best management practice (BMP) maintenance and site drainage.

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

The detention basin does not hold water.

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**
2/6/19	Mesa Substation		Photo 1 – The Senior MEER. Photo facing east.
2/6/19	Mesa Substation		Photo 2 – Concrete channel surrounding the substation is full. Photo facing east.
2/6/19	Mesa Substation		Photo 3 – Pumping out the concrete channel. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/6/19	Mesa Substation		Photo 4 – Water from the concrete channel being pumped into the project site. Photo facing west.
2/6/19	Mesa Substation		Photo 5 – Flowing water through the site and very muddy conditions. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/6/19	Mesa Substation		Photo 6 – Water entering the detention basin at the northeast corner. Photo facing east.
2/6/19	Mesa Substation		Photo 7 – Detention basin. Photo facing south.
2/6/19	Mesa Substation		Photo 8 – Ponded water in the detention basin. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/6/19	Mesa Substation		Photo 9 – Triangular retention basin is full of water entering through the standpipe. Photo facing east.
2/6/19	Mesa Substation		Photo 10 – Rainwater runoff entering the detention basin at the southeast corner. Photo facing north.
2/6/19	Mesa Substation		Photo 11 – Newly backfilled slope near the offsite concrete channel. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/6/18	Mesa Substation		Photo 12 – Diversion berm breached at several locations. Photo facing east.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	2/13/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	2/13/19

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	February 12, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS060
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Clear, cool, and breezy
E & E CM:	Ilja Nieuwenhuizen	**Start/End time:**	0830 to 1130
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	X		

areas and on approved roads?			
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 work, the stormwater drainpipe installation, conduit installation work, and the Transmission Corridor work 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 0830 and notified the Project Coordinator, Pete Lubich (ULM Services, Inc.).

I noted that work continued both inside and outside of the Senior Mechanical Electrical Equipment Room (MEER) building – Photo 1.

Crews were working in the 220-kilovolt (kV) switchrack area pouring foundations, conducting trenching activities, and installation of the 220-kV cable, conduit and ground wires – Photos 2 & 3.

I inspected the plastic oil containment berm built around a portion of the 16-kV switchrack area – Photo 4. It is comprised of heavy plastic that is wrapped around several layers of gravel bags; single-layer bags are being used in the rock base. There were also several plastic pipes inserted through one of the layers such that water could be drained out while leaving the oil within the containment.

There was no water in the large detention basin. The location where water was exiting the basin at the base of the standpipe was visible – Photo 5.

Biological monitors Matt Daniele and Ben Smith (both with ICF) were onsite. I contacted the Storm Water Pollution Prevention Plan (SWPPP) inspector, Lucy Cortez-Johnson (CASC), to discuss best management practice (BMP) issues, but she said she would not be onsite until later in the day.

I examined the Caltrans channel and noted that a lot of sediment had traveled into it, just downstream of the opening to the southern boundary wall gate – Photo 7. When the diversion berm was breached, water flowed along a portion of the southern boundary wall and eroded some of the fine, gray-colored sand used to backfill the wall. This water subsequently eroded the small slope in the gate opening. The small slope in the gate opening had been restored with BMPs – Photo 8. In addition to the mud and rock in the Caltrans channel, there appeared to be gray sand. I spoke to the Power Grade foreman, Willie Clark, about removing the sediment.

Wall construction was being completed on an interior wall to the south of the switchrack areas – Photo 6 – and on the southern boundary wall – Photos 9 & 11.

A small excavator was working on backfilling the outside of the southern boundary wall – Photo 10. Willie Clark (Power Grade foreman) was overseeing this work, and he mentioned that once the backfilling work was complete, crews would regrade the area and install BMPs.

Since the wall work was extending toward the Markland end of the project site, there was no way to divert stormwater runoff coming from the southeastern portion of the project site into the detention basin – Photo 12. I asked the Power Grade foreman, Willie Clark, about this; his plan was to allow this water to run down the outside of the southern boundary wall to a stormwater drain inlet. This drain is part of the project wide drainage system that dumps the water into the detention basin. The regrading of this area and the BMP installation will help slow down these flows before the stormwater enters the system. This appeared to be a good plan and will help prevent berm failures since it will redirect a lot of runoff into the underground drainage system.

Earthwork is being completed around the northern and eastern sides of the new Mesa Operations Building with what appears to be the start of wall construction – Photo 13. The site drainage looks haphazard, and there is muddy water from the

construction site draining into small standpipes that flow directly into the concrete swale that surrounds the substation – Photo 14. This drainage swale is getting quite full of sediment and debris. On my January 28, 2019, site visit, I had looked at these areas with the SWPPP inspector, Lucy Cortez-Johnson (CASC), who said she was going to check into possible upgrades for these areas; however, so far, no changes have occurred.

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 completed 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)

BMP maintenance and site drainage.

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

The detention basin does not hold water. Remove sediment from the Caltrans channel.

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.

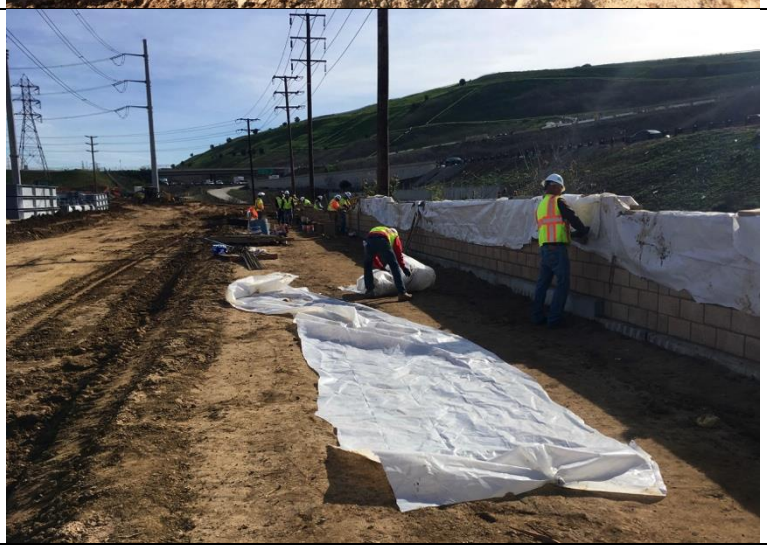
☐ Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

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**
2/12/19	Mesa Substation		Photo 1 – The Senior MEER. Photo facing south.
2/12/19	Mesa Substation		Photo 2 – Pouring some of the 220-kVswitchrack foundations. Photo facing east.
2/12/19	Mesa Substation		Photo 3 – Excavation within the 220-kV area for conduit and grounding cables. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/12/19	Mesa Substation		Photo 4 – Temporary water containment berm built around a portion of the 16-kV switchrack area. Photo facing east.
2/12/19	Mesa Substation		Photo 5 – Detention basin standpipe – note the flow lines around the rock.
2/12/19	Mesa Substation		Photo 6 – Interior wall construction along the south side of the 66-kV switchrack area. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/12/19	Mesa Substation		Photo 7 – Sediment in the Caltrans concrete channel outside of the project boundary.
2/12/19	Mesa Substation		Photo 8 – Eroded slope now regraded with BMPs installed. Photo facing south.
2/12/19	Mesa Substation		Photo 9 – Southern boundary wall construction. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/12/19	Mesa Substation		Photo 10 – Backfilling work behind the southern boundary wall. Photo facing west.
2/12/19	Mesa Substation		Photo 11 – Wall work extending toward the east end of the project site. Photo facing east.
2/12/18	Mesa Substation		Photo 12 – Wall foundation trenching now prevents diverted rainwater runoff toward the detention basin. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/12/19	Mesa Substation		Photo 13 – Mesa Operations Building wall excavation and construction. Photo facing east.
2/12/19	Mesa Substation		Photo 14 – Mesa Operations Building, stormwater drainage into a ground level standpipe. Photo facing east.
2/12/19	Mesa Substation		Photo 15 – Mesa Operations Building, stormwater drains into the concrete channel that surrounds the substation. There is mud and debris buildup in this channel. Photo facing east.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	2/13/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	2/15/19

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	February 20, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS061
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Overcast, cool, and breezy
E & E CM:	Silvia Yanez	**Start/End Time:**	1000 to 1300
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	X		

areas and on approved roads?			
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 work, the stormwater drainpipe installation, conduit installation work, and the Transmission Corridor work 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 1000 and notified the Project Coordinator, Pete Lubich (ULM Services, Inc.). Construction work continued both inside and outside of the Senior Mechanical Electrical Equipment Room (MEER) building – Photo 1.

The entry/exits needed maintenance since dirt and mud filled in around the rock and inside the rumble plates – Photo 2. The concrete washout location also needed to be reworked, as all of the bins were full and concrete had spilled onto the plastic ground cover – Photo 3. I checked under some parked equipment and most of the larger pieces had well-placed drip pans.

The site conditions were still muddy – Photo 4. Sediment had dropped out along the east side of the 220-kilovolt (kV) switchrack area as it was being collected by a crew using loader.

Work within the 220-kV switchrack area continued with both foundation work – Photo 6 – and installation of the aboveground equipment – Photo 5. I spoke to biological monitor Matt Daniele (ICF) about whether the open foundation holes were covered overnight; he said they were covered with plastic and then sealed around the edges. Matt Daniele said that Wayne Woodroof (Noreas) and Ben Smith (ICF) were the onsite biological monitors. A large crew was using a drill rig along the north end of the 220-kV switchrack area – Photo 7.

At the retention basin, water continued to drain at the base of the standpipe – Photo 8. Erosion of the basin walls continued at both the northeastern and southeastern corners – Photo 10. The small "triangular" retention basin was still full of water and sediment – Photo 9. I spoke with the Storm Water Pollution Prevention Plan (SWPPP) inspector, Lucy Cortez-Johnson (CASC), about the removal of this sediment; she said removal would be conducted when site conditions were drier. She said the site had received 3.9 inches of rain during the last week.

Excavation continued for the interior wall as it wrapped around the western end of the 16-kV switchrack area – Photo 11. The wall was being built along the southern side of the New Mesa Substation – Photo 12.

I examined the Caltrans channel again and observed large amounts of sediment both above and below the project drain inlet – Photo 13. The plan to have rainwater runoff from the southeastern portion of the project drop into the project drainpipe had not effective. Sheet flow blew out the best management practices (BMPs) along the southern side of the boundary wall and plugged the drain opening, thereby sending sediment laden runoff through the Caltrans channel again. Crews had already pulled up the BMPs, regraded the area, and reinstalled the BMPs – Photos 14 & 15. The SWPPP inspector, Lucy Cortez-Johnson (CASC), and I examined the area and she said a lot of water was coming into the drain from the Highway 60 culvert located just above the slope from the drain inlet – Photo 16. We discussed how to stabilize the area and prevent the drain from clogging.

Lastly, I observed crews working on wire installation into the conduit and conduit vaults – Photo 17.

I discussed the concrete washout issues and the upgrades needed at the entry/exits with the SWPPP inspector, Lucy Cortez-Johnson (CASC). I also sent a text to the Project Coordinator, Pete Lubich (ULM Services, Inc.), notifying him about these problem areas.

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 completed 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)

BMP maintenance and site drainage.

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

The detention basin does not hold water. Removal of sediment from the Caltrans channel.

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.

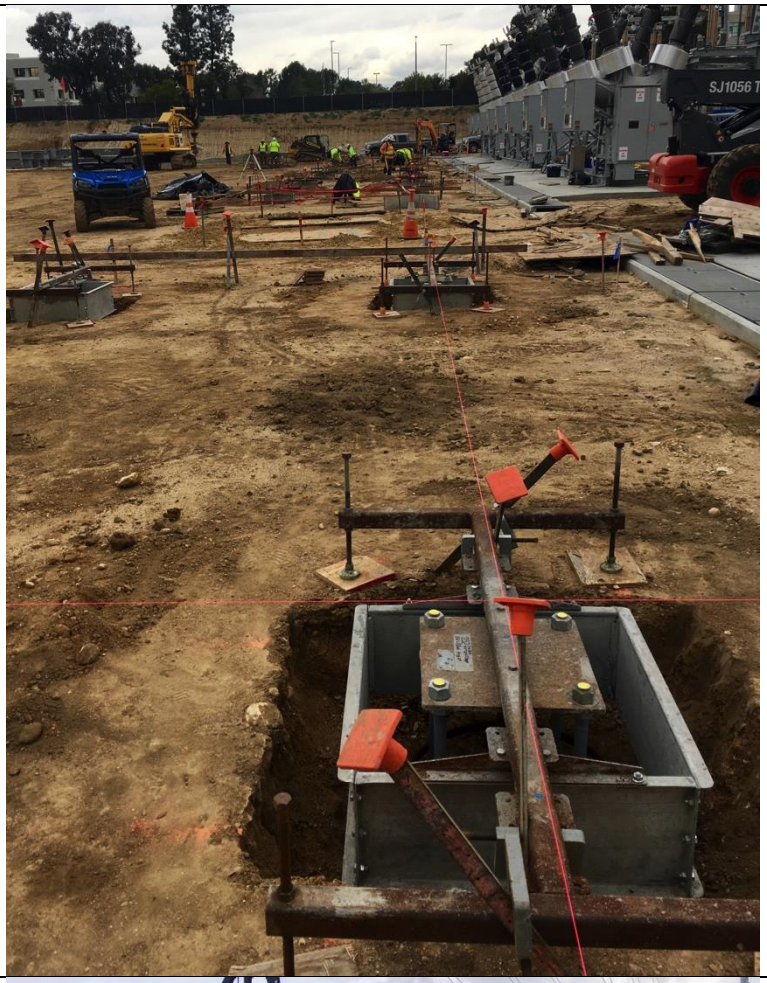
☐ Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

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**
2/20/19	Mesa Substation		Photo 1 – The Senior MEER. Photo facing east.
2/20/19	Mesa Substation		Photo 2 – Exit/entry needing mud removal. Photo facing southwest.
2/20/19	Mesa Substation		Photo 3 – Concrete washout location needing significant cleaning maintenance.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/20/19	Mesa Substation		Photo 4 – Muddy conditions onsite – sediment removal is being completed. Photo facing north.
2/20/19	Mesa Substation		Photo 5 – Installation of 220-kV switchrack equipment. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/20/19	Mesa Substation		Photo 6 – Foundation work within the 220kV switchrack area. Photo facing north.
2/20/19	Mesa Substation		Photo 7 – Drilling work continues. Photo facing northeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/20/19	Mesa Substation		Photo 8 – Large detention basin. Photo facing southwest.
2/20/19	Mesa Substation		Photo 9 – Smaller triangular retention basin – note sediment that dropped out near the inlet culvert. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/20/19	Mesa Substation		Photo 10 – Erosion of the southeastern corner of detention basin. Photo facing northwest.
2/20/19	Mesa Substation		Photo 11 – Excavation for the interior wall. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/20/18	Mesa Substation		Photo 12 – Wall work including brick installation. Photo facing east.
2/20/19	Mesa Substation		Photo 13 – Some project sediment that dropped within the Caltrans channel. Located on the southern side of the substation.
2/20/19	Mesa Substation		Photo 14 – BMPs re-installed along the southern side of the boundary wall. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/20/19	Mesa Substation		Photo 15 – BMPs re-installed along the southern side of the boundary wall. Photo facing west.
2/20/19	Mesa Substation		Photo 16 – Drain inlet that clogged up during the storm. The Hwy 60 outlet culvert is located south of the project drain. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/20/19	Mesa Substation		Photo 17 – Conduit work. Photo facing west.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	2/22/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	2/22/19

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	February 27, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS062
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Hazy sunshine, mild temperatures, and calm
E & E CM:	Silvia Yanez	**Start/End Time:**	1145 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 work, the stormwater drainpipe system, conduit installation, wall construction, and the Transmission Corridor 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 1145 and notified the Project Coordinator, Pete Lubich (ULM Services, Inc.). Construction work continued on the Senior Mechanical Electrical Equipment Room (MEER) building, and I observed trenching activities north of the building – Photo 1.

The main project entry/exits needed maintenance, and the concrete washout bins were full – Photos 2 & 3. I spoke to several project personnel about these two issues and their response was that maintenance of the entry/exits and the washout bins was being completed on a regular basis.

I noted a water truck being used to spray the project roads to minimize dust onsite. The biological monitoring team, including Matt Daniele (ICF), Wayne Woodroof (Noreas), and Ben Smith (ICF), was onsite. Work is being conducted during the nesting bird season; however, no nesting activity was observed.

There was significant construction activity being conducted within the 220-kilovolt (kV) switchrack area, including trenching for conduit and grounding cable – Photo 4 – foundation drilling and pouring – Photo 6 – and installation of the aboveground switching equipment – Photo 5. There were no issues in those areas.

The western portion of the interior wall was being poured – Photo 7, and brick installation was being completed for the southern portion of this wall and for the portions of the southern boundary wall. A tubular steel pole (TSP) was being erected south of one of the switchrack areas – Photo 8.

I checked the Caltrans channel and noted that the sediment I had noted during my previous site visit had not been removed – Photo 9; however, recent rain events had washed away some of the sediment from the upper portion of the channel. I also inspected the drainage system just outside of the southern border wall and there was no change to the best management practices (BMPs) or the drain inlet grate – Photo 10. I recommend upgrading this area since the grate easily clogs during a rain event. I discussed my concerns with Project Coordinator Pete Lubich (ULM Services, Inc.), Craig Pernot (Power Grade), and the Storm Water Pollution Prevention Plan (SWPPP) inspector, Melanie Sotelo.

Other work I observed included backfilling and compaction – Photo 11 – and the ongoing conduit work along the southern portion of the project site – Photo 12.

Work within the New Mesa Operations Building included the installation of “I” or “H” beams for the wall along the northeast corner of the site – Photo 13. The site drainage was muddy and there were no sediment control systems at either of the two standpipes – Photo 14. The rainwater would runoff from the site drains into the concrete channel that surrounds the substation; therefore, the channel was filling with sediment and debris – Photo 15.

I did not note completion of BMP maintenance north of Potrero Grande Avenue within the telecommunications corridor – Photos 16 & 17. Sediment from the project site had either filled in or had undercut all BMPs; therefore, the BMPs did not slow any of the site drainage and allowed it to run offsite. I saw SWPPP inspector Melanie Sotelo onsite and we discussed the BMPs and several other issues I had noted throughout the project site.

I spoke to the Ecology and Environment, Inc. (E & E) Compliance Manager, Ilja Nieuwenhuizen, at the end of the day to discuss SWPPP issues and lines of communication.

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 completed 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)

BMP maintenance and site drainage.

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

The detention basin does not hold water. Removal of sediment from the Caltrans channel.

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 #

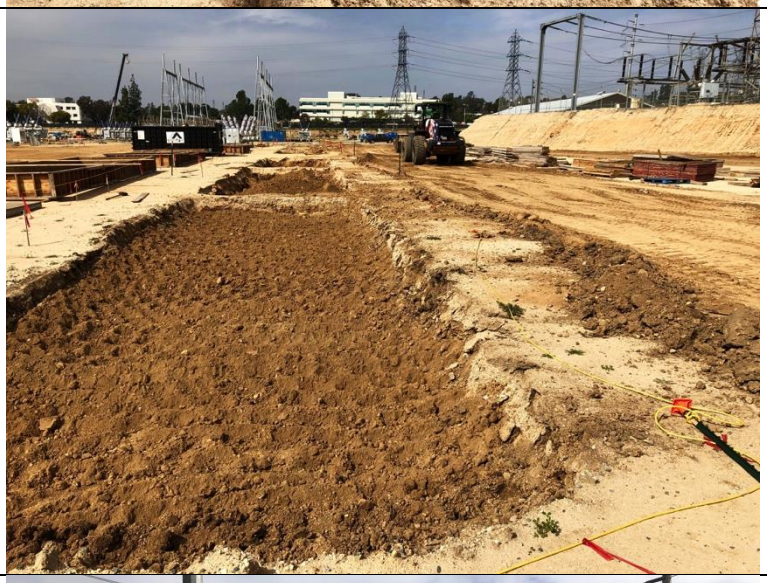
PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

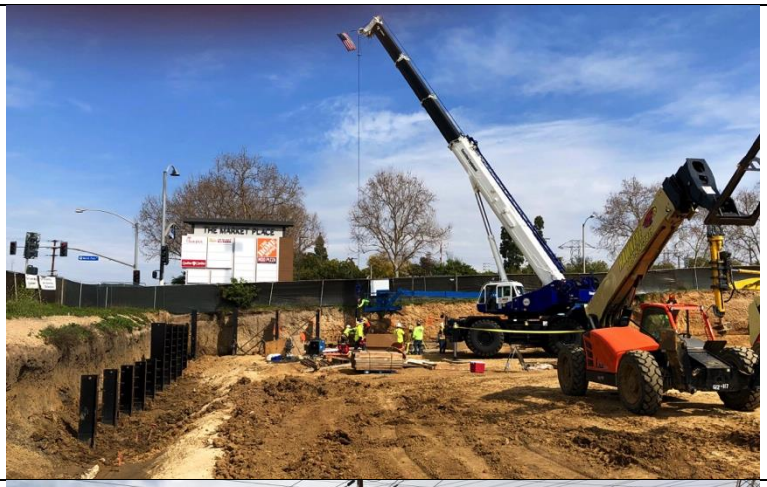
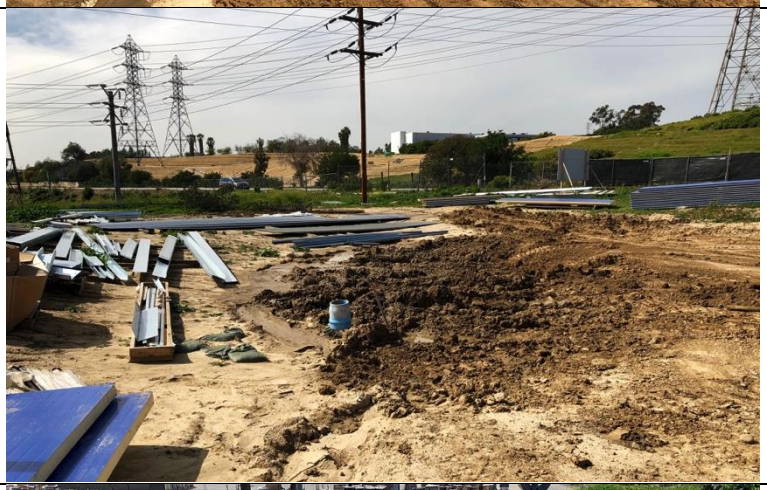
REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/27/19	Mesa Substation		Photo 1 – The Senior MEER with trenching being completed north of the building. Photo facing south.
2/27/19	Mesa Substation		Photo 2 – Entry/exits needing maintenance.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/27/19	Mesa Substation		Photo 3 – Concrete washout location needing maintenance. Photo facing west.
2/27/19	Mesa Substation		Photo 4 – Trenching and conduit installation within the 220-kV switchrack area. Photo facing north.
2/27/19	Mesa Substation		Photo 5 – Installation of 220-kV switchrack equipment. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/27/19	Mesa Substation		Photo 6 – Foundation work within the 220-kV switchrack area. Photo facing west.
2/27/19	Mesa Substation		Photo 7 – Pouring foundation for the interior wall. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/27/19	Mesa Substation		Photo 8 – Tower installation. Photo facing north.
2/27/19	Mesa Substation		Photo 9 – Project sediment that dropped out within the Caltrans channel.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/27/19	Mesa Substation		Photo 10 – Onsite drainage system with BMPs and drain inlet located outside of the southern boundary wall. Photo facing southeast.
2/27/19	Mesa Substation		Photo 11 – Backfill and compaction work. Photo facing north.
2/27/18	Mesa Substation		Photo 12 – Conduit work along the southern portion of the project. Photo facing southeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/27/19	Mesa Substation		Photo 13 – Wall installation at the New Mesa Operations Building. Photo facing east.
2/27/19	Mesa Substation		Photo 14 – Site drainage from the Mesa Operations Building. Photo facing northwest.
2/27/19	Mesa Substation		Photo 15 – Concrete drain below the Mesa Operations Building is nearly full of sediment and debris. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
2/27/19	Mesa Substation		Photo 16 – BMPs within the telecommunications corridor north of Potrero Grande.
2/27/19	Mesa Substation		Photo 17 – BMPs within the telecommunications corridor north of Potrero Grande. Photo facing north.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	3/04/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	3/5/19