ecology and environment, inc.
Member of WSP

50 California Street, Suite 1500
San Francisco, CA 94111
Tel: (415) 398-5326 Fax: (415) 796-0846

January 13, 2020

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

Re: Monthly Report Summary #18 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 **March 1 to 31, 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 **March 7, 13, 20, 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 March 1 to 31, 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 March 2019 provided a compliance summary and included a description of construction activities from March 1 to 31, 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 March 2019 reporting period, SCE self-reported two non-project related compliance observations. The compliance observations are described below.

- On March 18, 2019, a biologist observed trash and micro-trash throughout the area of Grading Area 1C (Mesa Operations Building). The incident was observed at Grading Area 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. The trash consisted of dozens of water bottles, organic trash, inorganic trash, and was found throughout the area on the ground and in uncovered receptacles. It's unknown if this incident is Mesa-related. This incident conflicts with **MM BR-9: Construction Monitoring**.
- On March 20, 2019, a biologist observed a non-project Caltrans crew trimming and removing vegetation and trash within the Caltrans ROW adjacent to SR 60 and the Mesa Substation coastal sage scrub ESA (Restricted Use Area) and 100-foot buffer in Grading Areas 1, 2A, and 2B. The incident was observed adjacent to the Mesa Substation footprint on within coastal sage scrub habitat. The area affected was surveyed and was outside of the Mesa Substation project approved disturbance limits. This incident conflicts with **MM BR-9: Construction Monitoring**.

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

- On March 7, 13, 20, and 27 2019, the CPUC Compliance Monitor observed the Entry/Exit rumble plates at the main entrance filled with mud and rock. The CPUC Compliance Monitor recommended increasing the frequency of maintaining the rumble plates clean when safe to do so.
- On March 7, 2019, the CPUC Compliance Monitor noted that few parked construction equipment did not appear to have drip pans placed underneath. Some had drip pans underneath; however, they were full of water. The CPUC Compliance Monitor recommended that clean drip pans get placed underneath parked construction equipment.
- On March 20 12, 2019, the CPUC Compliance Monitor walked along the telecommunications corridor located north of Potrero Grande to inspect the erosion BMPs. The CPUC Compliance Monitor did not observe upgrades to these BMP, which have needed repairs for the last several weeks, and large rills and gullies were still present across the slopes in this area. The CPUC Compliance Monitor recommended upgrades to these BMPs.
- On March 27, 2019, the CPUC Compliance Monitor inspected the Caltrans concrete channel located just outside of the southern boundary wall. He noted that project sediment remained in the channel and extensive vegetative material was left behind by the Caltrans crew. Unfortunately, the Caltrans crew removed half of the ficus tree with the bushtit nest in it and the nest was gone. The CPUC Compliance Monitor recommended entire cleaning of the Caltrans channel.

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

Noise Compliance

There were no noise exceedances during the March 2019 reporting period.

Spills

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

Public Concerns

There were no public concerns during March 2019.

Minor Project Changes

On December 20, 2018, SCE submitted MPC Request 004 to the CPUC.

During March 2019, a Minor Project Change (MPC) was approved (see Table 1).

Table 1: Minor Project Change Approvals for March 2019.

Description	Approval Date
MPC-04 included the installation of twelve temporary wood poles in previously approved workspaces.	March 15, 2019

Sincerely,

Silvia Yanez
Project Manager, Ecology and Environment, Inc.

cc:
Lori Rangel, SCE
Don Dow, SCE

ATTACHMENT 1

CPUC Site Inspection Reports

March 7, 13, 20, and 27, 2019

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	March 7, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS063
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Partly cloudy, cool, and a slight breeze
E & E CM:	Silvia Yanez	**Start/End Time:**	1100 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 scraper.*	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 1100 and notified Project Coordinator Pete Lubich (ULM Services, Inc.). Construction work was occurring inside of the Senior Mechanical Electrical Equipment Room (MEER) building and the Mesa Operations Building sites. These site conditions were significantly wet and muddy; thus, construction activities were limited – Photo 3. According to the Storm Water Pollution Prevention Program (SWPPP) inspector, Lucy Cortez-Johnson (CASC), the project site received approximately 2.08 inches of rain earlier in the week.

The concrete channel around the substation appeared full and a construction crew was setting up pumps to empty the channel – Photo 1. The entry/exit rumble plate at the main entrance was filled with mud and rock and needed to be cleaned out – Photo 2; I advised Project Coordinator Pete Lubich (ULM Services, Inc.) about this maintenance issue.

I noted that biological monitor Wayne Woodroof (Noreas) was onsite and we discussed the project; he mentioned that there were no nesting birds within the site thus far.

I observed a few parked construction vehicles that did not appear to have drip pans placed underneath. While other equipment had drip pans underneath, the pans were full of water– Photo 4.

The small “triangular” retention basin remained full and extensive amounts of sediment had dropped out below the outlet culvert; a fair amount of trash was building up around the standpipe opening – Photo 5. There was no ponded water in the large detention basin; water entering the basin immediately drains out at the base of the standpipe – Photo 6. Large quantities of project sediment remained in the Caltrans channel – Photo 7.

The best management practices (BMPs) installed along the outside southern boundary wall were all overwhelmed by the rainwater runoff – Photo 9. Fortunately, crews installed a small barrier around the drain inlet that appeared to have prevented the grate from being completely blocked; therefore, water entered the project drainage system – Photo 8. Some rainwater runoff undercut the only straw wattle placed along the riprapped channel and directed water coming from Highway 60 into the project drainage system – Photo 10. This area should be regraded, or gravel bags should be placed in a manner to direct project runoff away from this channel.

A crew was pumping rainwater runoff out of a large catch basin that had filled an area under one of the lattice steel towers (LSTs) located just south of the existing substation – Photo 11. The water was being pumped into the concrete channel that surrounds the substation – Photo 12. I contacted Project Coordinator Pete Lubich (ULM Services, Inc.), and he arrived with the biological monitor, Matt Daniele (ICF), to observe the pumping work. We determined that this water enters the project drainage system dumping into the Caltrans channel. Pete Lubich was going to confirm whether the Storm Water Pollution Prevention Program inspector, Lucy Cortez-Johnson (CASC) approved this work. I also contacted Environmental Project Manager Lori Rangel (SCE) and notified her of that work.

My last stop was at the telecommunications corridor north of Potrero Grande Drive, where BMPs needed to be upgraded prior to the last storm. I did not observe a significant amount of new BMPs completed, and the rainwater runoff was leaving the project site – Photos 13 & 14.

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

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.

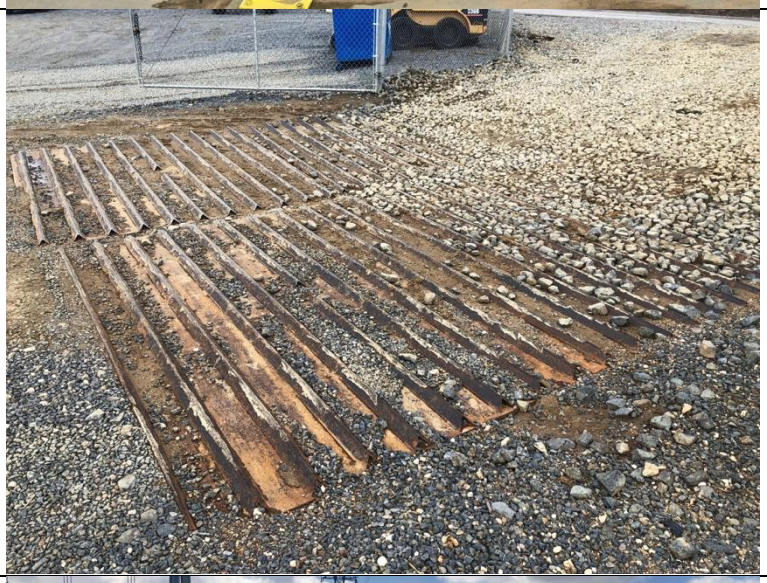
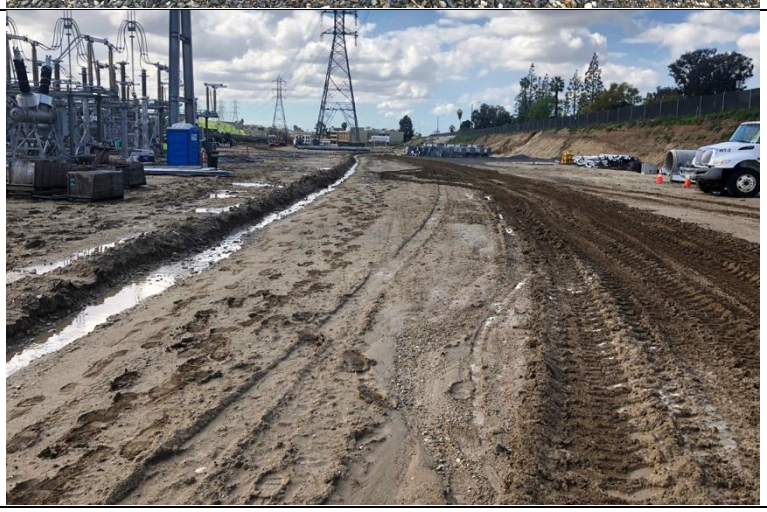
☐ Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report.

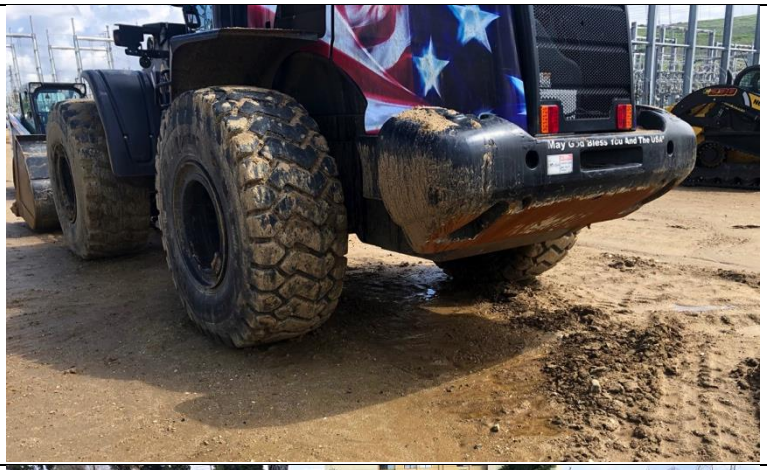
☐ Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, 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.

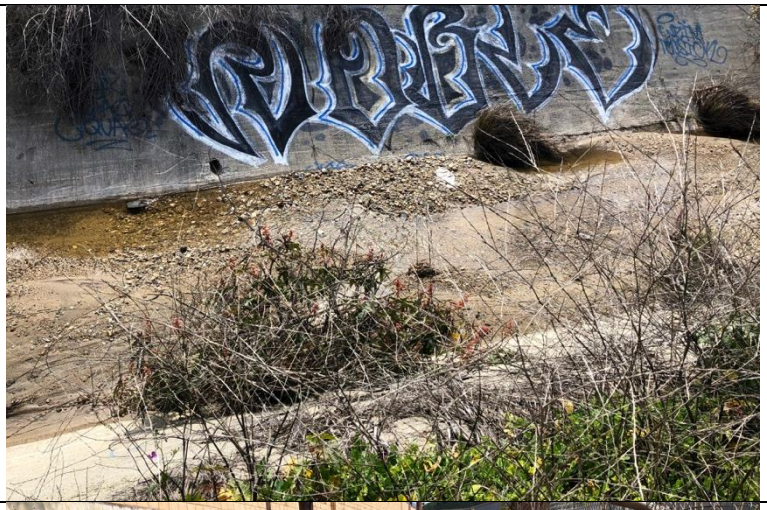
☐ Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

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

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

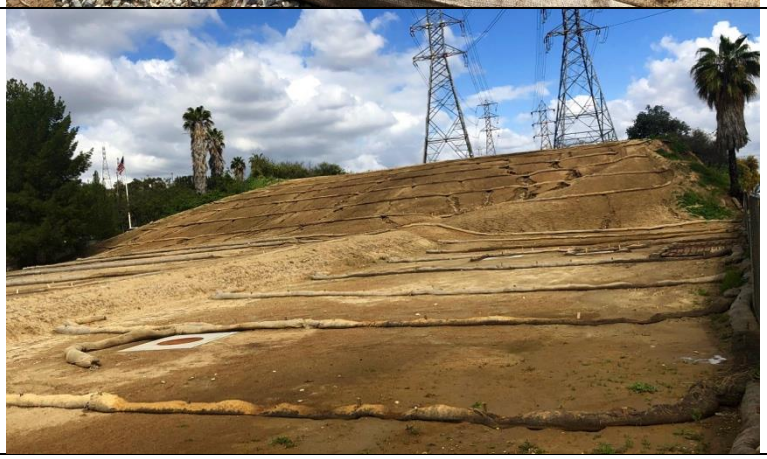
REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/07/19	Mesa Substation		Photo 1 – Rainwater runoff is filling the channel around the substation. Photo facing east.
3/07/19	Mesa Substation		Photo 2 – Exit/entry in need of cleaning maintenance.
3/07/19	Mesa Substation		Photo 3 – Muddy conditions onsite. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/07/19	Mesa Substation		Photo 4 – Parked equipment without drip pans underneath.
3/07/19	Mesa Substation		Photo 5 – Triangular retention basin. Photo facing northeast.
3/07/19	Mesa Substation		Photo 6 – Detention basin. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/07/19	Mesa Substation		Photo 7 – Project sediment that dropped out within the Caltrans channel.
3/07/19	Mesa Substation		Photo 8 – BMPs along the outside of the southern boundary wall. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/07/19	Mesa Substation		Photo 9 – BMPs along the outside of the southern boundary wall – note they have been overwhelmed. Photo facing east.
3/07/19	Mesa Substation		Photo 10 – Project rainwater runoff entering the offsite drainage.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/07/19	Mesa Substation		Photo 11 – Pumping of ponded water under a lattice work tower. Photo facing southeast.
3/07/18	Mesa Substation		Photo 12 – Pumping project runoff into the channel around the substation. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/07/19	Mesa Substation		Photo 13 – BMPs within the telecommunications corridor north of Potrero Grande. Photo facing west.
3/07/19	Mesa Substation		Photo 14 – BMPs within the telecommunications corridor north of Potrero Grande. Photo facing northeast.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	3/11/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	3/11/19

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	March 13, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS064
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Clear and warm with and a slight breeze
E & E CM:	Silvia Yanez	**Start/End Time:**	1200 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 scraper.*	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 1200 and notified Project Coordinator Pete Lubich (ULM Services, Inc.). It was a warm day and the site was beginning to dry out. A chance of rain was forecasted for the following week.

Extensive construction work continued within the Senior Mechanical Electrical Equipment Room (MEER) building – Photo 1.

The rumble plate at the main entrance appeared nearly full of rock and mud and needed to be cleaned out – Photo 2. I mentioned this to Power Grade foreman Craig Pernot and, like my previous inquiries, he responded that crews regularly clean out the rumble plates. I am skeptical of the rumble plate maintenance frequency because my photos from previous site visits appear almost identical.

The foundation work continued within the 220-kilovolt (kV) switchrack area, and concrete trucks were pouring the foundations – Photo 3. There were many shallow trenches open near the 220-kV switchrack area, as crews were installing copper cable to ground the equipment – Photo 4.

A large trench had been dug around the northwestern corner of the new substation for the boundary wall – Photo 5. Crews were installing rebar in the trench and pouring the wall foundation. Crews continued to install brick at several locations along this boundary wall – Photo 8.

A crew was using an excavator and bulldozer on the northern slope of the project site – Photo 6.

I inspected the Caltrans channel running along the southern boundary of the project site – Photo 7. The channel appeared to have clear water flowing through it. The water was entering from the project site inlet. A bushtit nest located in a tree growing next to the Caltrans channel was found by project biologists. This was reported in FRED. A small buffer was set up around the tree and signs were posted – Photo 9.

A variety of small excavation activities were underway throughout the project – Photo 10. Wire pulling was being completed through the newly installed conduit along the southern portion of the project – Photo 11.

Water pumping activities have been discontinued under the lattice steel tower (LST) – Photo 12. The water entering this catch basin has eroded a sizable channel, with sediment from erosion and the project site dropping into the ponded area.

I discussed these project issues and concerns with biologist Matt Daniele (ICF) and Power Grade foreman Craig Pernot.

My last stop was at the Mesa Operations Building. The wall work continued along the northern and eastern portion of the site, although no work was being conducted while I was onsite. A motor grader was working between the new building and the wall and was smoothing out the muddy ground – Photo 13. Muddy water continued to drain into a ground level standpipe located just west of the new building – Photo 14. I have contacted the Storm Water Pollution Prevention Plan (SWPPP) inspector, Lucy Cortez-Johnson (CASC), about whether this spot may need a type of sediment trap; however, she has not responded as of the date of this site visit.

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. 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.

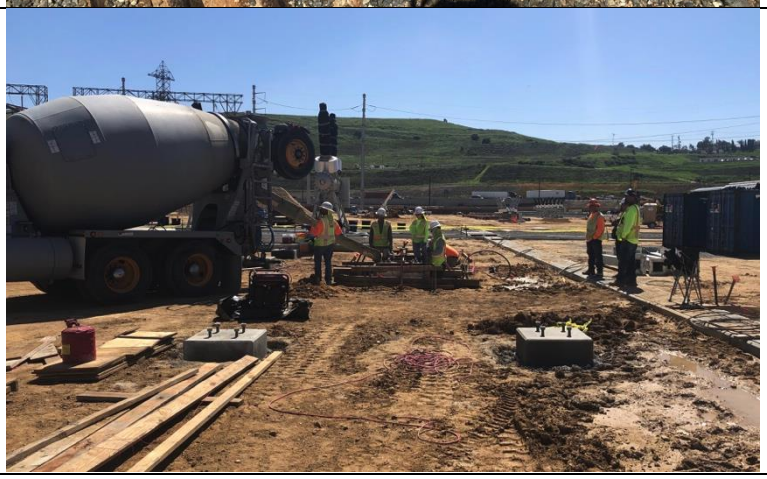
☐ Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report.

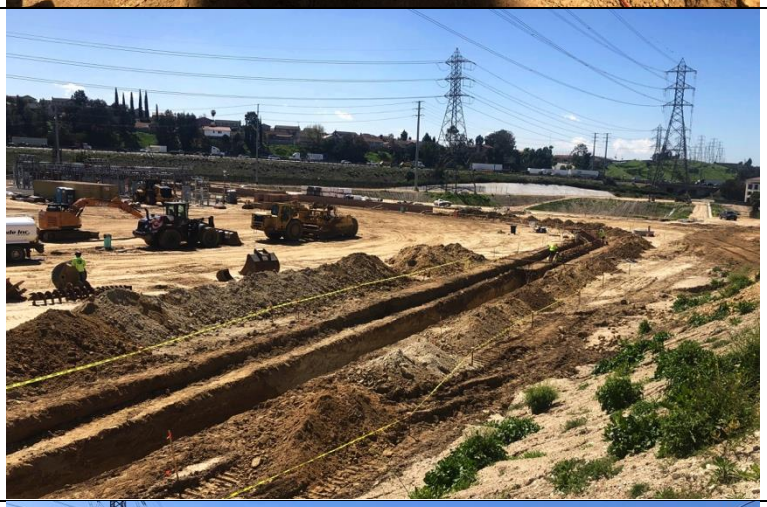
☐ Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, 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.

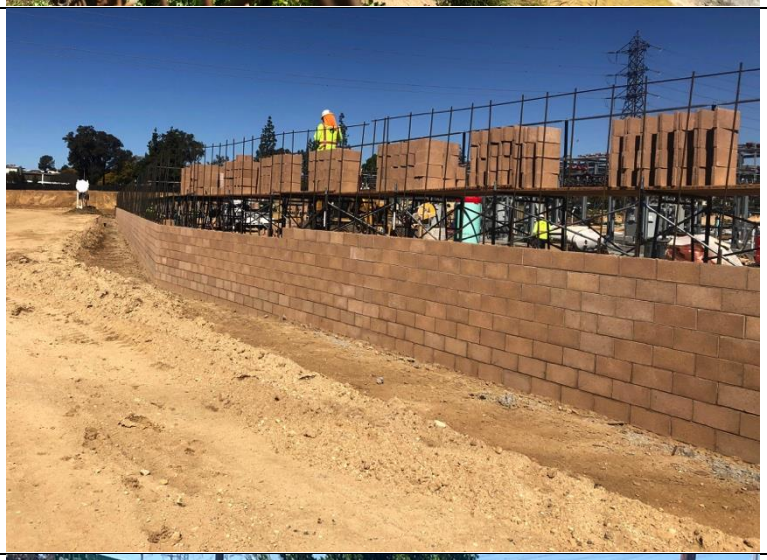
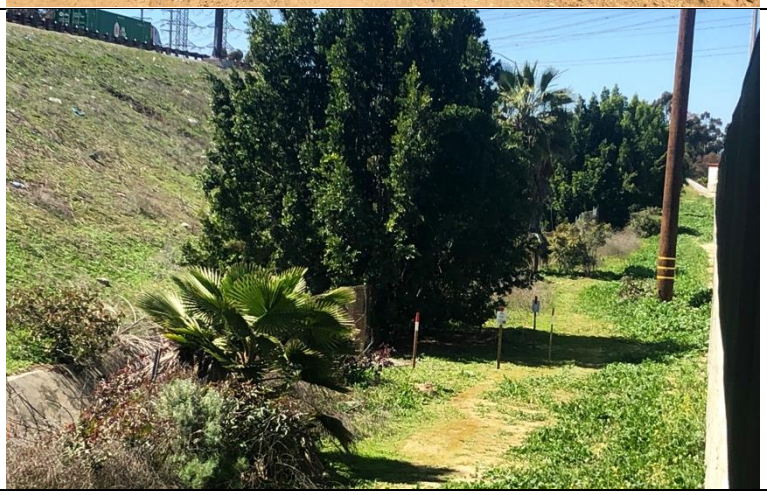
☐ Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

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**
3/13/19	Mesa Substation		Photo 1 – Senior MEER. Photo facing south.
3/13/19	Mesa Substation		Photo 2 – Rumble plate at the main Exit/Entry needs cleaning maintenance.
3/13/19	Mesa Substation		Photo 3 – Foundations being poured - muddy conditions persist. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/13/19	Mesa Substation		Photo 4 – Installation of grounding cables within the 220-kV switchrack area.
3/13/19	Mesa Substation		Photo 5 – Trenching for the boundary wall foundation. Photo facing southwest.
3/13/19	Mesa Substation		Photo 6 – Equipment working on the northern side of the project site. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/13/19	Mesa Substation		Photo 7 – Caltrans channel below the project inlet pipe. Photo facing southeast.
3/13/19	Mesa Substation		Photo 8 – Brick installation on the western portion of the boundary wall. Photo facing north.
3/13/19	Mesa Substation		Photo 9 – Bird buffer signs around a tree, located along the Caltrans channel. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/13/19	Mesa Substation		Photo 10 – Excavation activity. Photo facing east.
3/13/19	Mesa Substation		Photo 11 – Wire stringing in the conduit. Photo facing west.
3/13/18	Mesa Substation		Photo 12 – Catch basin with standing water. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/13/19	Mesa Substation		Photo 13 – Wall construction and grading activities around the Mesa Operations Building. Photo facing north.
3/13/19	Mesa Substation		Photo 14 – Mesa operations building drainage standpipe with no BMPs present. Photo facing north.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	3/16/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	3/17/19

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	March 20, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS065
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Partly cloudy, cool, and breezy with some light rain
E & E CM:	Silvia Yanez	**Start/End Time:**	1145 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 scraper.*	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 arrive onsite at 1145 and notified Project Coordinator Pete Lubich (ULM Services, Inc.). The site had received some rain within the previous 24 hours and there was a chance of additional rain during the day. I heard lightning and thunder from a distance while I was onsite.

Construction work continued at the Senior Mechanical Electrical Equipment Room (MEER) building – Photo 1.

The rumble plate remained nearly full of rock and mud and needed to be cleaned out – Photo 2. I discussed this with Project Coordinator Pete Lubich (ULM Services, Inc.) and we inspected the rumble plate; he showed me photos of a crew cleaning out the rumble plate earlier in the week.

I saw biological monitors Matt Daniele (ICF), Wayne Woodroof (Noreas), Ben Smith (ICF) and Kristen Kleinfelter (ICF) heading to the mid-day tailboard.

Foundation work and trenching activities continued at the 220-kilovolt (kV) switchrack area – Photos 3 & 4.

Construction work on the boundary wall was being finalized around the northwestern portion of the New Mesa Substation. Crews appeared to be primarily engaged with brick installation work – Photo 5.

A survey crew was working along the northern boundary above the earthen bank; it appeared that additional earth work (laying back this slope) had been completed during the previous week – Photo 6.

The small “triangular” retention basin appeared to have been pumped out – Photo 7 – and the water transferred into the larger detention basin.

There is a significant amount of micro-trash along the western project boundary, near Markland Avenue – Photo 8. There were opossum and raccoon tracks in the mud in this area. Crews continued working on the fence that runs east to west along the southern boundary – Photo 9. A Caltrans crew was seen working on the slope below Highway 60 and along the project site; they were picking up trash and clearing brush. I did not observe them getting into the concrete channel to remove stormwater sediment build-up from rain events.

The erosion best management practices (BMPs) along the outside of the southern boundary wall had some maintenance completed to fix recent storm damage (e.g., undercutting), including some straw wattle upgrades and gravel removed from the drain inlet grate – Photo 10. The repairs to the straw wattles were completed for only a small portion of this area (near the inlet grate), with most of the straw wattles farther to the east (upslope) still requiring maintenance after the last storm – Photo 11.

A small erosion channel draining into the riprap location coming from Highway 60 has still requires repair – Photo 12. I met with the Storm Water Pollution Prevention Program inspector, Lucy Cortez-Johnson (CASC) and mentioned this concern; she sent me a photo later in the day showing the upgrades to the area – Photo 13. Once again, I talked with her about upgrades to the BMPs north of Potrero Grande Drive and outside of the southern boundary wall. She mentioned that all pumping (dewatering) of standing water would need to be approved by her.

Wire pulling continued through the newly installed conduit along the southern portion of the project site – Photo 14.

Paleontological monitor Joey Raum (Paleo Solutions) was at the Mesa Operations Building and overseeing the drilling operation – Photo 15. Although the drilling is deep, he mentioned they were not getting into undisturbed material. A crew was using a loader to remove excess soil from this area. Erosion BMPs (gravel bags) were added around the drain inlet and the buckets of material that were stored there previously had been removed – Photo 16.

I walked along the telecommunications corridor located north of Potrero Grande Drive to inspect the erosion BMPs. I did not observe any upgrades to these BMPs, which have needed repairs for the last several weeks; large rills and gullies were still present across the slopes in this area – Photos 17,18,19, & 20. Some work was completed, such as removing sediment from behind gravel bag check dams in a concrete "V" ditch located at the westernmost end of the corridor – Photo 21.

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 improvements across site.

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

Although the detention basin slows the speed of offsite water flow, thereby allowing some sediment to settle out in the basin, the basin does not hold water. Monitor performance of this basin closely and make upstream BMP improvements to reduce the amount of sediment that makes it into the basin. Follow-up on 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.

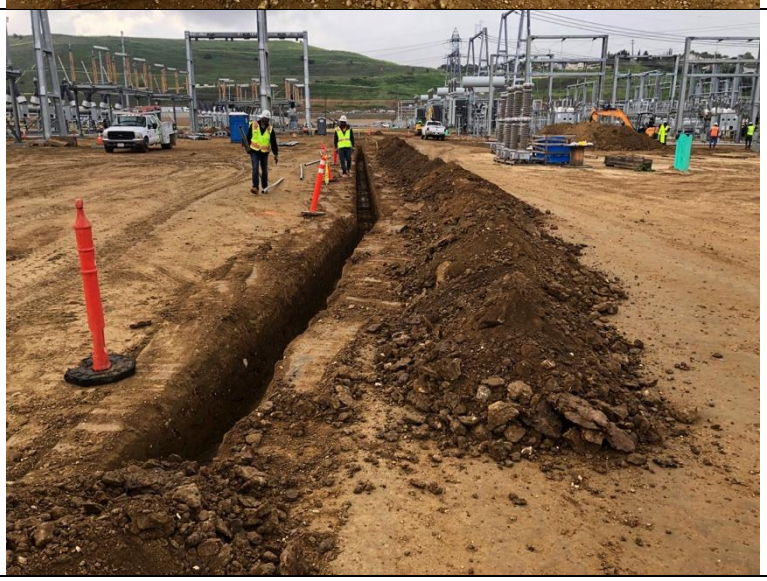
☐ Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, 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**
3/20/19	Mesa Substation		Photo 1 – Senior MEER. Photo facing south.
3/20/19	Mesa Substation		Photo 2 – Rumble plate needs cleaning maintenance.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/20/19	Mesa Substation		Photo 3 – Foundation work continues. Photo facing west.
3/20/19	Mesa Substation		Photo 4 – Trenching work within the 220-kV switchrack area. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/20/19	Mesa Substation		Photo 5 – Brick installation on the boundary wall. Photo facing southwest.
3/20/19	Mesa Substation		Photo 6 – Earth work along the northern edge of the project site. Photo facing west.
3/20/19	Mesa Substation		Photo 7 – Retention basin has been pumped out. Photo facing northeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/20/19	Mesa Substation		Photo 8 – Micro trash at the western most end of the project site near Markland Ave.
3/20/19	Mesa Substation		Photo 9 – Fence installation. Photo facing southeast.
3/20/19	Mesa Substation		Photo 10 – BMP maintenance work outside of the southern boundary wall. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/20/19	Mesa Substation		Photo 11 – BMPs located outside of the southern boundary wall are not repaired after the last large storm event. Photo facing southeast.
3/20/18	Mesa Substation		Photo 12 – BMPs still need repairs.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/20/18	Mesa Substation		Photo 13 – Sent to me by Lucy Cortez-Johnson showing upgraded BMPs.
3/20/19	Mesa Substation		Photo 14 – Wire installation in the conduit vaults. Photo facing east.
3/20/19	Mesa Substation		Photo 15 – Mesa Operations Building wall installation. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/20/19	Mesa Substation		Photo 16 – New BMPs added to the Mesa Operations Building stormwater drain system. Photo facing northwest.
3/20/19	Mesa Substation		Photo 17 - BMPs within the telecommunications corridor north of Potrero Grande. Sediment has not been removed and wattles and gravel bags are undermined. Photo facing west.
3/20/19	Mesa Substation		Photo 18 - BMPs within the telecommunications corridor north of Potrero Grande. Heavily riled slopes and filled in wattles. Photo facing northeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/20/19	Mesa Substation		Photo 19 - BMPs within the telecommunications corridor north of Potrero Grande. Large rill undermining the "V" ditch. Photo facing northwest.
3/20/19	Mesa Substation		Photo 20 - BMPs within the telecommunications corridor north of Potrero Grande. Large rills undermining all wattles. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/20/19	Mesa Substation		Photo 21 - BMPs within the telecommunications corridor north of Potrero Grande. Sediment behind the gravel check dams was removed.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	3/25/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	3/29/19

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	March 27, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS066
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:**	0830 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 scraper.*	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 0830 and notified Project Coordinator Pete Lubich (ULM Services, Inc.).

Shortly after I left the site on the day of my previous site visit (March 30, 2019), a cloudburst dropped approximately 0.55 inch of rain on the site in a short amount of time. The rainwater runoff from this storm could be seen in the concrete channel that surrounds the Existing Mesa Substation – Photo 1.

Installation of the 220-kilovolt (kV) equipment continued – Photo 2. Work continued at the Senior Mechanical Electrical Equipment Room (MEER) building – Photo 3. Many cables ran between the Senior MEER and 220-kV switchrack area – Photo 4. Foundation work continued within the 220-kV switchrack area – Photo 5. The concrete washout area was moved over to the southeastern portion of the project site, and concrete trucks were exiting the site through the eastern exit – Photo 16. Other construction activities at the 220-kV switchrack area included foundation drilling – Photo 6 – which was sealed with plywood and dirt – Photo 7 – gravel spreading – Photo 8 – and trenching – Photo 9. I spoke to Power Grade foreman Willie Clark about project activities.

Fence work was being completed at three locations: the interior brick boundary wall – Photo 10; the brick boundary wall along Potrero Grande Drive – Photo 11; and the metal fence near Markland Avenue – Photo 12.

I inspected the Caltrans concrete channel located just outside of the southern boundary wall. Project sediment remained in the channel, and extensive vegetative material was left behind by the Caltrans crew – Photo 13. Unfortunately, the Caltrans crew removed half of the ficus tree with the bushtit nest in it; the nest was gone.

Most of the straw wattles located outside of the southern boundary wall were not repaired – Photo 14. Rainwater runoff that flowed through this area appeared to enter the drain inlet and eventually flowed into the large detention basin.

Water remained in the catch basin below several towers – Photo 15. The water entering this basin eroded a deep gully in the eastern berm.

At the Mesa Operations Building, crews poured slurry behind the eastern wall – Photo 17. Rainwater runoff was ponded around the gravel bag berm installed around the drain inlet – Photo 18.

Best management practice (BMP) repairs were not completed within the telecommunication corridor north of Potrero Grande Drive, and more sediment was noted at the bottom of the slopes – Photos 19 & 20.

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 upgrades and maintenance. Site drainage improvements across the site.

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 and vegetation debris is needed inside of 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.

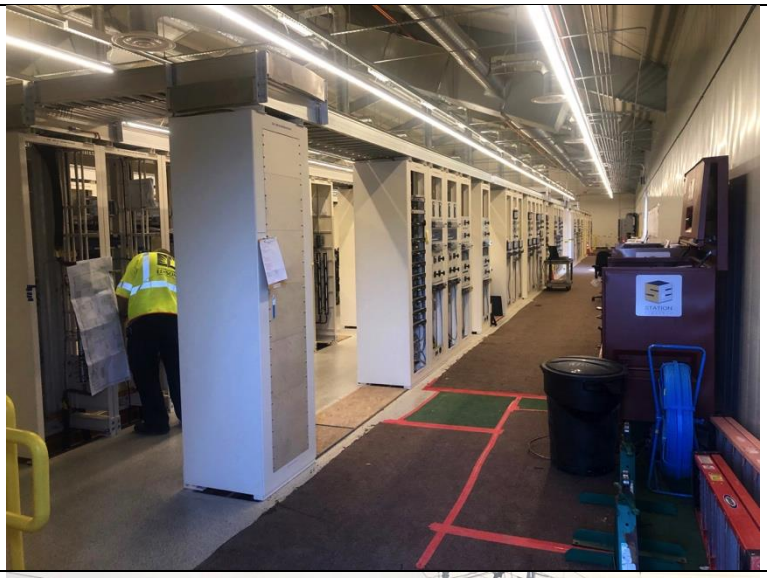
☐ Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, 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**
3/27/19	Mesa Substation		Photo 1 – Rain water runoff in the substation channel. Photo facing east.
3/27/19	Mesa Substation		Photo 2 – Installation of above ground equipment in the 220-kV switchrack area. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/27/19	Mesa Substation		Photo 3 – Inside the Senior MEER.
3/27/19	Mesa Substation		Photo 4 – Cables running into and out of the Senior MEER. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/27/19	Mesa Substation		Photo 5 – Pouring foundations within the 220-kV switchrack area. Photo facing south.
3/27/19	Mesa Substation		Photo 6 – Drilling foundation holes within the 220-kV switchrack area. Photo facing north.
3/27/19	Mesa Substation		Photo 7 – Foundation holes covered with plywood and sealed with dirt. Photo facing west.

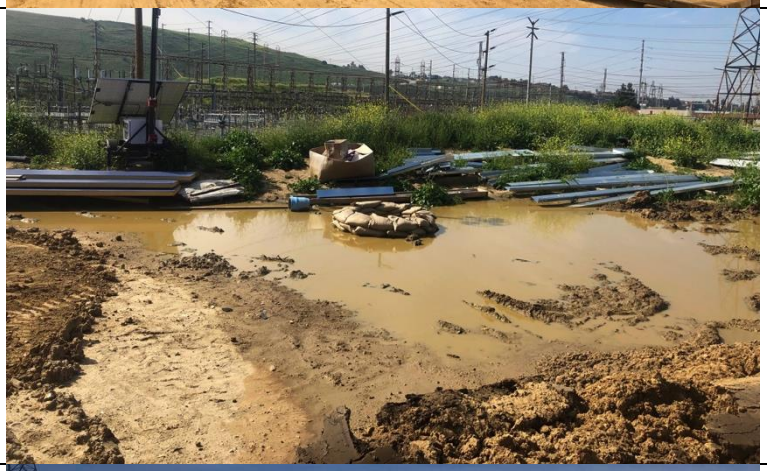
REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/27/19	Mesa Substation		Photo 8 – Spreading gravel at the 220-kV switchrack area. Photo facing northwest.
3/27/19	Mesa Substation		Photo 9 – Trenching within the 220-kV switchrack area. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/27/19	Mesa Substation		Photo 10 – Wall work. Photo facing west.
3/27/19	Mesa Substation		Photo 11 – Foundation work for the northern perimeter wall. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/27/18	Mesa Substation		Photo 12 – Metal fence installation near the western boundary of the project site. Photo facing west.
3/27/18	Mesa Substation		Photo 13 – Sediment and vegetative material in the Caltrans channel. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/27/19	Mesa Substation		Photo 14 – Undermined wattles outside of the southern boundary wall. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/27/19	Mesa Substation		Photo 15 – Catchbasin with eroded inlet channel. Photo facing west.
3/27/19	Mesa Substation		Photo 16 – Concrete truck washout station. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/27/19	Mesa Substation		Photo 17 - Pouring slurry for the Mesa Operation Building's eastern wall. Photo facing northeast.
3/27/19	Mesa Substation		Photo 18 – Ponded rainwater runoff near the Mesa Operations Building. Photo facing south.
3/27/19	Mesa Substation		Photo 19 - BMPs within the telecommunications corridor north of Potrero Grande. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
3/27/19	Mesa Substation		Photo 20 - BMPs within the telecommunications corridor north of Potrero Grande. Photo facing east.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	4/05/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	4/5/19