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 14, 2020

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

Re: Monthly Report Summary #24 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 **September 1 to 30, 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 **September 5, 18, and 25, 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 September 1 to 30, 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 September 2019 provided a compliance summary and included a description of construction activities from September 1 to 30, 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 September 2019 reporting period, SCE self-reported two non-project related compliance observations. The compliance observations are described below.

- On September 5, 2019, a biologist observed a non-project Caltrans crew removing vegetation and trash within the Caltrans ROW along State Route (SR-) 60, adjacent to the MESA Substation. The area affected was outside of the MESA Substation project approved disturbance limits. This incident conflicts with **MM BR-9: Construction Monitoring.**
- On September 13, 2019, a biologist observed the Steel Clad Inc. crew trimming vegetation along Potrero Grande, and mowing vegetation north and south of Saturn Street. Equipment used included a skid steer with mower deck and hand tools. This work is not related to the Mesa Substation Project and was not within any listed species habitat. This incident conflicts with **MM BR-9: Construction Monitoring**.

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

- On September 5, 2019, the CPUC Compliance Monitor observed a trash and debris accumulating in the "V" ditches. The Compliance Monitor recommended cleaning the trash and debris inside of the ditches.
- On September 5, 2019, the CPUC Compliance Monitor noted ponded water at the base of the southeastern corner of the large detention basin and willows beginning to grow on the banks. He also several dragonfly nymphs in the pools. Cleaning the ponded water to minimize potential vector issues and removing the invasive Weeds before they mature was recommended.
- On September 18, 2019, the CPUC Compliance Monitor indicated that at least five drip pans were broken and needed to be replaced. Additionally, the Compliance Monitor noted a large excavator parked in the staging area with missing drip pans underneath. The CPUC Compliance Monitor reported this information to the Mesa Project Coordinator and recommended that they replace the broken drip pans.

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

Noise Compliance

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

Spills

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

Public Concerns

There were no public concerns during September 2019.

Minor Project Changes

On July 23, 2019, SCE submitted MPC Request 007 to the CPUC. As of September 30, 2019, MPC Request 007 remains under review.

Sincerely,

Silvia Yanez
Project Manager, Ecology and Environment, Inc.

cc:
Lori Rangel, SCE
Don Dow, SCE

ATTACHMENT 1

CPUC Site Inspection Reports

September 5, 18, and 25, 2019

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	September 5, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS086
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Partly cloudy, warm temperatures, and calm winds
E & E CM:	Silvia Yanez	**Start/End Time:**	0730 to 0945
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 Mesa Operations Building 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 0730 and notified Project Coordinator Pete Lubich (ULM Services, Inc.).

Water trucks were being used to spray the project access roads to minimize dust. I noted that the exit/entry rumble plates needed cleaning – Photo 1.

Protective barriers and fencing were being installed in several areas around the project site, including at the Senior Mechanical Electrical Equipment Room (MEER) – Photo 2. Several open excavated areas remained near the northern retaining wall; these holes were covered with plastic overnight – Photo 6. Similar observations were noted along the southern boundary wall – Photo 9.

Work continued at the northern boundary wall above the retaining wall. Crews were focused on brick installation and slurry was being pumped into the wall – Photo 3.

Equipment installation and wire connection continued at several locations within the new 220-kilovolt (kV) switchrack area – Photo 4.

Road base was being poured and compacted throughout the project site, followed by asphalt paving. Photo 5 shows the roadwork between the 66-kV and 220-kV switchrack areas.

I traveled toward the western end of the project site where a crew was unloading plastic conduit pipe on East Markland Drive – Photo 7. There was a significant amount of trash accumulating in the "V" ditches.

The ponded water I had previously noted at the base of the southeastern corner of the large detention basin remained, and willows were beginning to grow on the banks – Photo 8. I saw several dragonfly nymphs in the pools.

A motorgrader was being used to establish the final grade around the new asphalt road – Photo 10.

Roadwork was being completed at the Mesa Operations Building entrance – Photo 11 – and its surrounding areas in preparation for paving – Photo 12.

I counted three damaged drip pans around the equipment parking area. I also saw a parked manlift near the Mesa Operations Building that had no drip pan – Photo 13 – and a piece of equipment near the new staging area located east of Market Place Drive with a poorly placed drip pan – Photo 14.

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

All project personnel appear to have 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)

Drip pan upgrades and proper installation.

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

Placing oil absorbent pads in the drip pans would be helpful.

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.

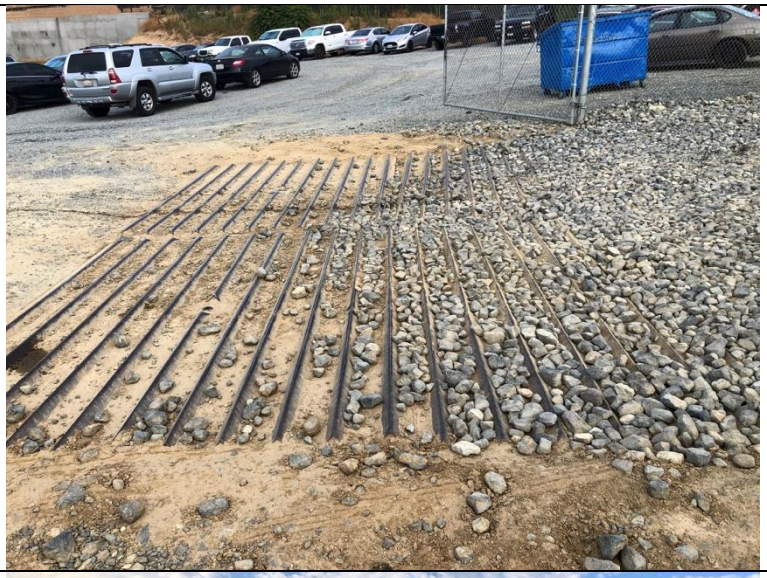
☐ Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing 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.

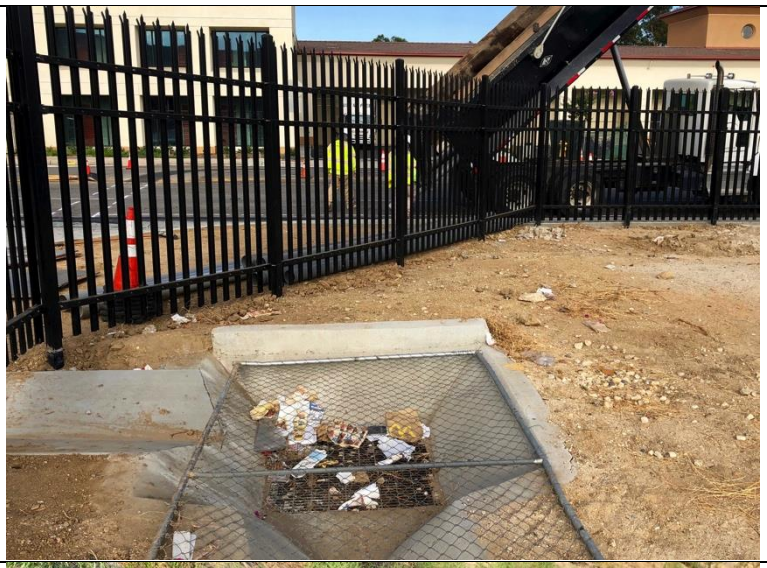
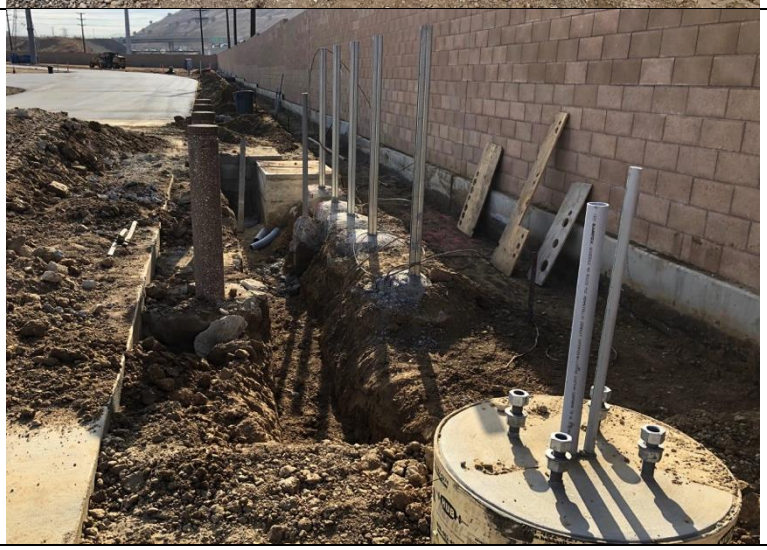
☐ Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

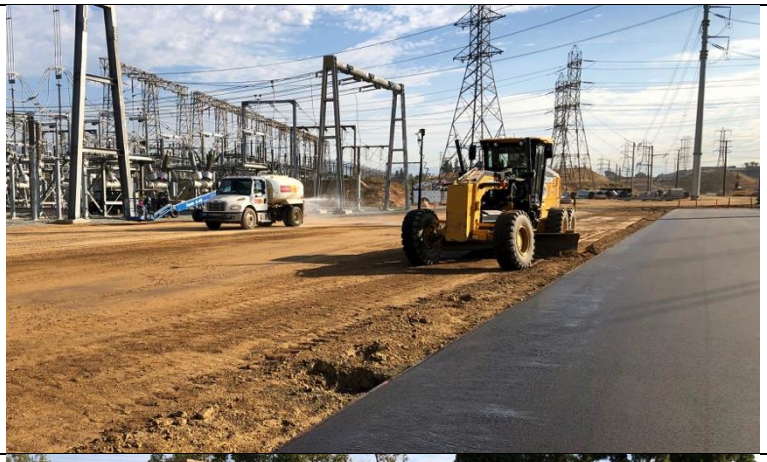
Date	Non-Compliance Issue and Resolution	Relevant Mitigation Measure	NC Report #

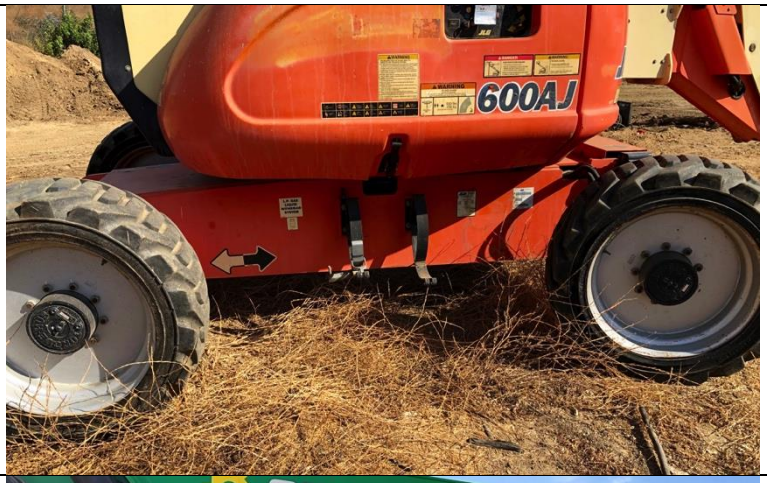
PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
9/05/19	Mesa Substation		Photo 1 – Rumble plates at the main project exit/entry needed cleaning. Photo facing north.
9/05/19	Mesa Substation		Photo 2 – Protective fencing being installed around equipment located outside of the Senior MEER building. Photo facing south.
9/05/19	Mesa Substation		Photo 3 – Brick installation continued at the boundary wall above the northern retaining wall. Photo facing northwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
9/05/19	Mesa Substation		Photo 4 – Wire installation and equipment connections within the 220-kV switchrack area. Photo facing west.
9/05/19	Mesa Substation		Photo 5 – Road base installation continued between the 16-kV and 66-kV switchrack areas. Photo facing south.
9/05/19	Mesa Substation		Photo 6 – Protective barriers being installed along the new roadway near the northern retaining wall – note the plastic covering the open holes. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
9/05/19	Mesa Substation		Photo 7 – Some work being completed within East Markland Drive; also note the significant amount of trash in the drainage channel. Photo facing west.
9/05/19	Mesa Substation		Photo 8 – Water seep noted within the southeastern corner of the large detention basin.
9/05/19	Mesa Substation		Photo 9 – Protective barriers placed along the roadway near the southern boundary wall. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
9/05/19	Mesa Substation		Photo 10 – Final dirt work being completed along the new asphalt road – Photo facing east.
9/05/19	Mesa Operations Building		Photo 11 – Road work being completed at the eastern project entrance – Photo facing east.
9/05/19	Mesa Operations Building		Photo 12 – Dirt work being completed around the Mesa Operations Building in preparation for paving. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
9/05/19	Mesa Operations Building		Photo 13 – Manlift near the Mesa Operations Building without a drip pan.
9/05/19	Mesa Substation		Photo 14 – Equipment parked near the new staging area, located east of Marketplace Drive, with a poorly placed drip pan.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	9/08/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	9/8/19

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	September 18, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS087
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Clear with warm temperatures and calm winds
E & E CM:	Silvia Yanez	**Start/End Time:**	1230 to 1445
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 Mesa Operations Building 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 1230 and notified Project Coordinator Pete Lubich (ULM Services, Inc.). The exit/entry rumble plates needed to be cleaned – Photo 1. I notified Pete Lubich about this ongoing issue.

During my site visit, I saw biological monitors Matt Daniele (ICF), Wayne Woodroof (Noreas), and Ben Smith (ICF). I spoke with Matt Daniele and Wayne Woodroof about the project.

Near the northeast corner of the 220-kilovolt kV switchrack area, I counted eight drip pans, five of which were damaged and needed to be replaced – Photo 2. Other damaged drip pans were noted throughout the project site. A large excavator was parked in the staging area and did not have drip pans placed underneath – Photo 10. I reported this information to Project Coordinator Pete Lubich (ULM Services, Inc.) and recommended that they replace the damaged drip pans.

Some earthwork was being completed between the switchrack areas and the northern retaining wall – Photo 3. A crew with a loader was transporting excess soil to the stockpile area. The loader was creating a lot of dust during this operation; I advised the Power Grade foreman to spray these areas with water before the loader transports the soil – Photo 5.

Road paving across the project site continued – Photo 4. The asphalt-spreading machine seen in Photo 4 was parked and idling. I spoke to the foreman of the paving crew who explained that running equipment was necessary so a plate in the machine stayed hot.

The last portion of the northern boundary wall was undergoing construction – Photo 5.

Water continued to seep from the southeastern corner of the large detention basin – Photo 6. The walls at the detention basin supported a healthy stand of Russian thistle; this invasive weed was also extensively growing within the Transmission Corridor south of the project site. I recommend that crews remove these weeds before they begin to mature.

Protective barrier installation and electrical work continued at several project locations along the southern boundary wall – Photos 7 and 9. Equipment installation and wire connection work continued at several locations within the new 220-kV switchrack area – Photo 8.

The eastern project entry was near complete – Photo 11. Conduit work continued near the Mesa Operations Building – Photo 12, and forms were in place in order to pour the road curb around the building – Photo 13.

A crew was removing all old and degraded best management practices (BMPs) and re-grading the Transmission Corridor north of Potrero Grande Drive – Photo 14.

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

All project personnel appear to have 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)

Drip pan upgrades and proper installation.

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

Russian thistle removal.

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.

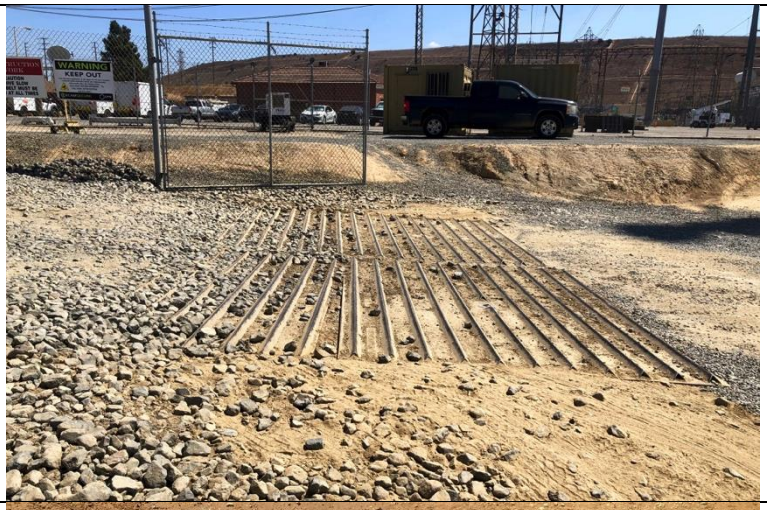
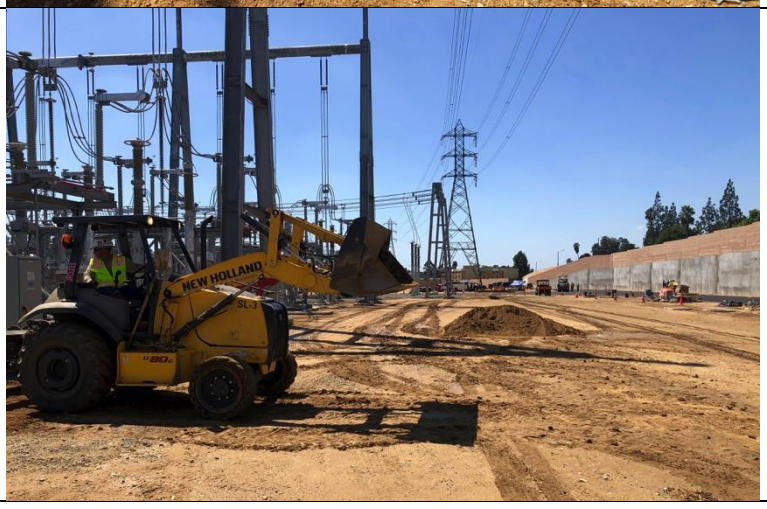
☐ Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing 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.

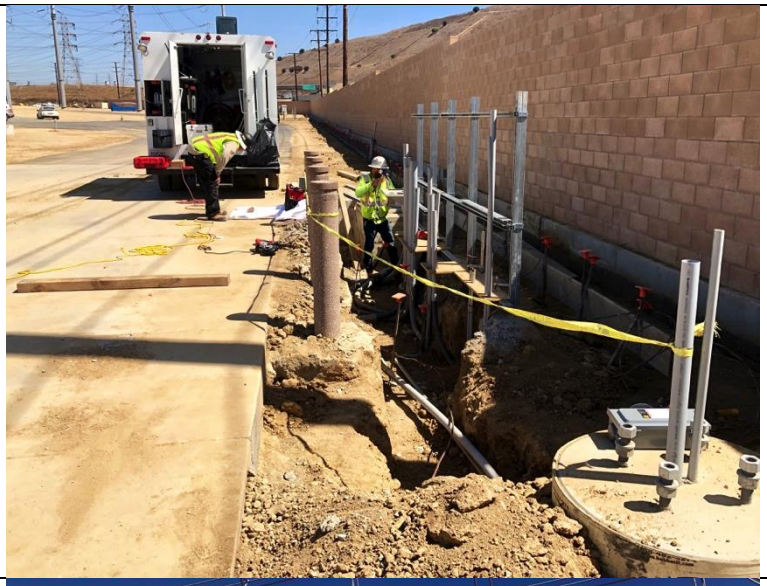
☐ Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

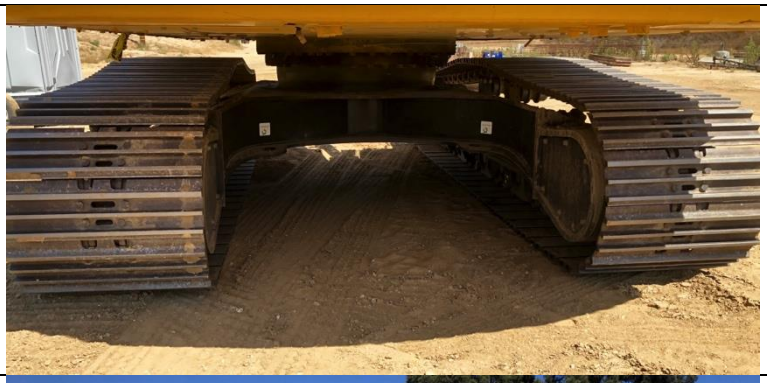
Date	Non-Compliance Issue and Resolution	Relevant Mitigation Measure	NC Report #

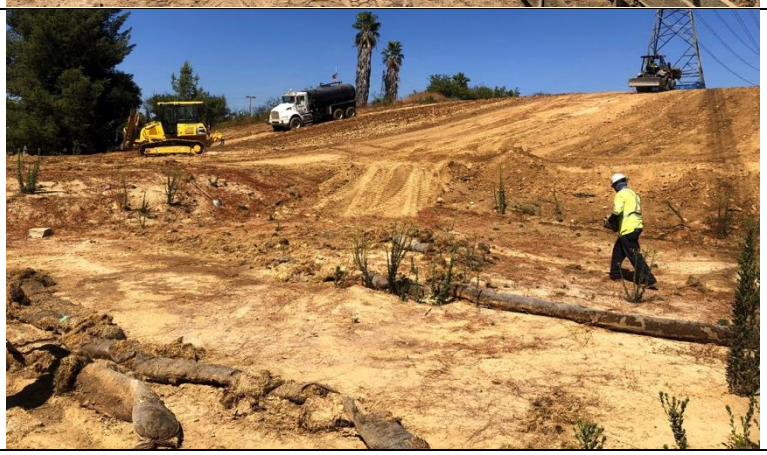
PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
9/18/19	Mesa Substation		Photo 1 – Rumble plates at the main project exit/entry needed cleaning. Photo facing south.
9/18/19	Mesa Substation		Photo 2 – Damaged drip pans.
9/18/19	Mesa Substation		Photo 3 – Final dirt work near the switchrack areas. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
9/18/19	Mesa Substation		Photo 4 – Asphalt installation continued along the northern retaining wall. Photo facing west.
9/18/19	Mesa Substation		Photo 5 – Northern wall work. Note the dusty conditions created by the operating loader. Photo facing south.
9/18/19	Mesa Substation		Photo 6 – Water seep noted within the southeastern corner of the large detention basin – note the extensive amount of Russian thistle. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
9/18/19	Mesa Substation		Photo 7 – Protective barriers placed along the roadway near the southern boundary wall. A crew was working on the electrical equipment. Photo facing east.
9/18/19	Mesa Substation		Photo 8 – Wire installation and equipment connection work continued within the 220-kV switchrack areas. Photo facing north.
9/18/19	Mesa Substation		Photo 9 – Protective barriers placed along the roadway near the southern boundary wall. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
9/18/19	Mesa Substation		Photo 10 – No drip pan placed under this equipment.
9/18/19	Mesa Operations Building		Photo 11 – Work on the eastern project entrance – Photo facing east.
9/18/19	Mesa Operations Building		Photo 12 – Dirt work being completed around the Mesa Operations Building. Photo facing northeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
9/18/19	Mesa Operations Building		Photo 13 – Roadwork being completed near the Mesa Operations Building's northern wall.
9/18/19	Mesa Substation		Photo 14 – Re-grading of the Telecommunications Corridor north of Potrero Grande. Photo facing northeast.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	9/20/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	9/22/19

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	September 25, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS088
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Partly cloudy with mild temperatures and calm winds
E & E CM:	Silvia Yanez	**Start/End Time:**	0745 to 1030
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 Mesa Operations Building 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 745 and notified Project Coordinator Pete Lubich (ULM Services, Inc.).

The exit/entry rumble plates needed cleaning, and additional rock should be added around the plates – Photo 1. Water trucks were being used to spray unpaved project access roads to suppress dust. Many roads were paved, and areas around the switchracks were covered in gravel.

I inspected the Senior Mechanical Electrical Equipment Room (MEER), where construction work related to barrier fencing continued near the building to the east – Photo 2.

Several crews continued to work in the 220-kilovolt (kV) switchrack area; many crewmembers were operating manlifts and conducting work on switchrack equipment – Photo 3.

Protective concrete barriers (ballards) were being installed at several locations along the paved roads to protect sensitive equipment. At one location, the open holes around the ballards were covered with plastic – Photo 4. At a second location, Wayne Woodroof (Noreas) and I inspected the holes prior to ballard placements – Photo 5. A crew excavated a trench for the electrical equipment at a third location, near the western boundary wall– Photo 7.

The last portion of the northern boundary wall was installed, and crews were pumping slurry into the brick – Photo 6.

A crew was working on the road curbs by pouring around the road drains – Photo 8.

Plastic sheeting was laid out on the gravel near the 66-kV switchrack area. I noted oil-soaked drip pans and gravel stockpiled on it – Photo 9. Craig Pernot (Power Grade) was nearby and he explained that the motorgrader blew a hydraulic line and lost approximately 30 gallons of fluid. He believed crews captured most of it and they were waiting on containers to put it into.

I noted a crew with a loader transporting excess soil to the stockpile hill, located south of the Existing Mesa Substation. A small piece of equipment was used for spreading the soil and then a water truck was used for spraying the area.

I read on the Field Reporting Environmental Database (FRED) that a hawk nest would be removed from the wooden pole on the south side of Highway 60. I saw that the pole was removed and a new tubular steel pole (TSP) was installed. Avian biological monitor, Ben Smith (ICF), was onsite and I asked him about this activity. He mentioned that he monitored the removal; noting that nothing of significance was in the old nest.

The eastern project entry way still under construction near the Mesa Operations Building – Photo 10. Conduit work continued, and excavated areas had proper climbing structures installed – Photo 11. I noted what appeared to be a washout near the site drain inlet; this area needed to be cleaned, and best management practices (BMPs) needed to be upgraded prior to the rainy season – Photo 12.

Re-grading of the Transmission Corridor north of Potrero Grande Drive continued – Photo 13. I noted ponded water and sediment flow in the central portion of the corridor – Photo 14. I notified biological monitor Matt Daniele (ICF) of my concerns.

A crew was pouring slurry in a conduit trench in the area north of Potrero Grande Drive and east of Saturn Street, which was the old Kiewit yard – Photo 15. Crews were conducting excavation work, and I asked biological monitor Matt Daniele (ICF) if

other monitors had observed this work. He indicated that a paleontological/archeological monitor was onsite earlier in the day.

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)

None noted.

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

None noted.

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.

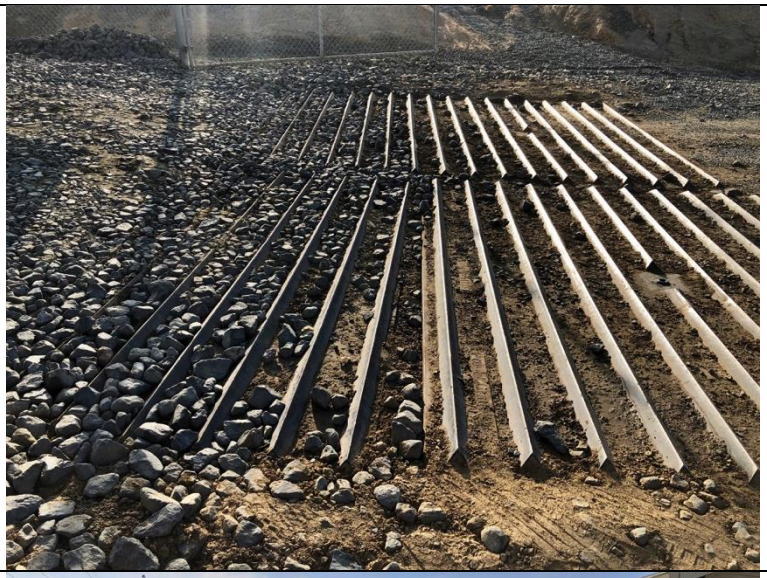
☐ Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing 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 #

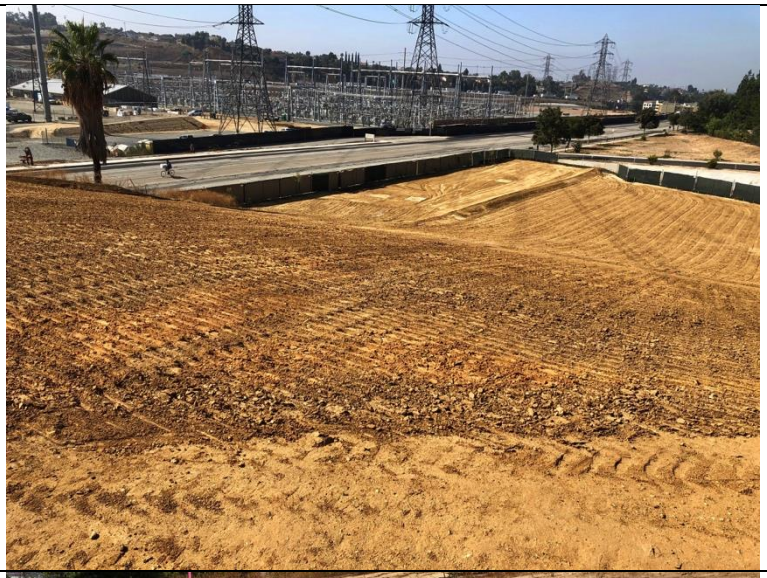
PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

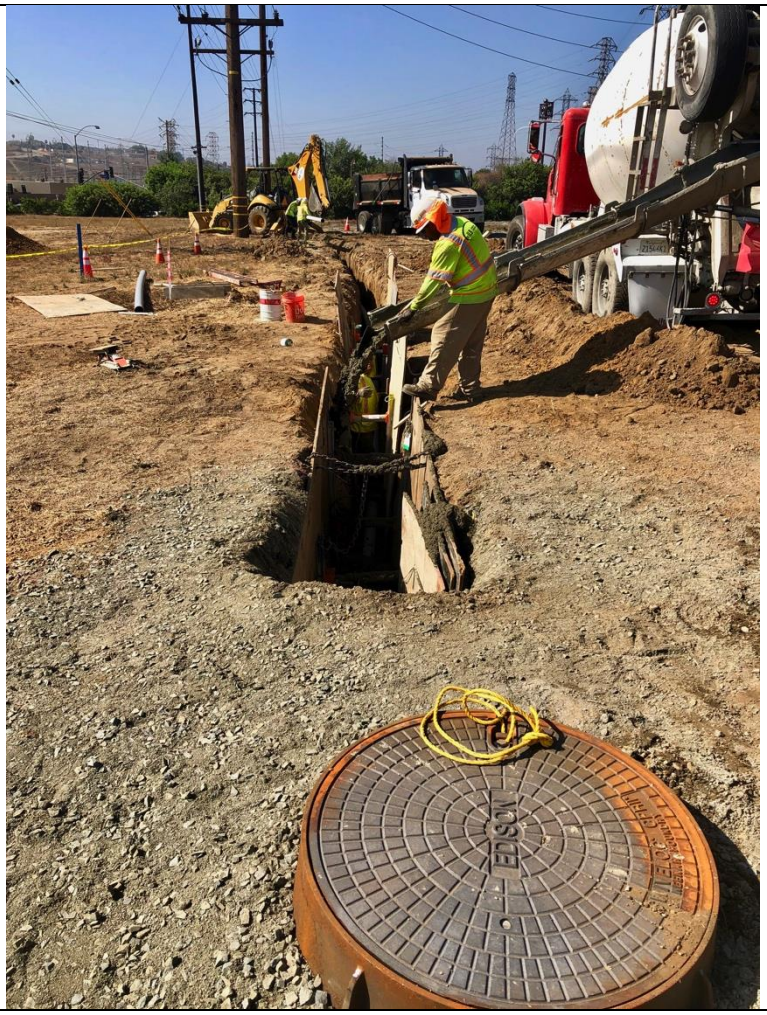
REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
9/25/19	Mesa Substation		Photo 1 – Rumble plates at the main project exit/entry needed cleaning. Photo facing south.
9/25/19	Mesa Substation		Photo 2 – Fence installation around portions of the Senior MEER. Photo facing south.
9/25/19	Mesa Substation		Photo 3 – Wire installation and equipment connection work continued within the 220-kV switchrack area. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
9/25/19	Mesa Substation		Photo 4 – Protective barrier installation. Photo facing west.
9/25/19	Mesa Substation		Photo 5 – More protective barrier installation - biological monitor was inspecting the holes. Photo facing west.
9/25/19	Mesa Substation		Photo 6 – Slurry pour into the brick of the northern barrier wall. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
9/25/19	Mesa Substation		Photo 7 – Excavation for a protective barrier along the roadway near the western boundary wall. Photo facing west.
9/25/19	Mesa Substation		Photo 8 – Concrete work on the road curb. Photo facing west.
9/25/19	Mesa Substation		Photo 9 – Hydraulic fluid spill cleanup.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
9/25/19	Mesa Substation		Photo 10 – Work on the eastern project entrance. Photo facing northeast.
9/25/19	Mesa Operations Building		Photo 11 – Conduit trench with climbing structures installed.
9/25/19	Mesa Operations Building		Photo 12 – Site drainage inlet with what appeared to be construction materials washout.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
9/25/19	Mesa Operations Building		Photo 13 – Re-grading of the Telecommunications Corridor, located north of Potrero Grande. Photo facing southwest.
9/25/19	Mesa Substation		Photo 14 – New sediment flow within the Telecommunications Corridor, located north of Potrero Grande. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
9/25/19	Mesa Substation		Photo 15 – Pouring conduit trench in the area north of Potrero Grande and east of Saturn, the old Kiewit yard. Photo facing west.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	9/26/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	9/30/19