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January 14, 2020

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

Re: Monthly Report Summary #20 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 **May 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 **May 6, 14, 20, and 30, 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 May 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 May 2019 provided a compliance summary and included a description of construction activities from May 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 May 2019 reporting period, SCE self-reported two non-project related compliance observations. The compliance observations are described below.

- On May 13, 2019, a biologist observed a non-project SCE subcontractor drive into and park his vehicle in a nest buffer. The non-project SCE subcontractor left his vehicle (within the nest buffer) and walked over to various wooden poles (within the nest buffer) that he said were designated for replacement. He was verifying the information about the poles. This work is not related to the Mesa Substation Project. The incident was observed north of Potrero Grande and east of Saturn Street on and was not within any listed species habitat. The area affected was surveyed and was completely inside approved disturbance limits, with no further impacts visible. This incident conflicts with **MM BR-9: Construction Monitoring** and **Sections 2.7.1 of the Mesa Substation Project Nesting Bird Management Plan**.
- On May 13, 2019, a biologist observed a non-project SCE subcontractor walking in the mustard vegetation, having parked his vehicle in a nest buffer. The non-project SCE subcontractor left his vehicle (within the nest buffer) and walked over to various trees along the northern slope of this location. He said the trees were designated for trimming or removal. This work is not related to the Mesa Substation Project. The incident was observed north of Potrero Grande and northeast of Saturn Street, and was not within any listed species habitat. The area affected was surveyed and was completely inside approved disturbance limits, with no further impacts visible. This incident conflicts with **MM BR-9: Construction Monitoring** and Sections **2.7.1 of the Mesa Substation Project Nesting Bird Management Plan**.

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

- On May 6, 14, 20, and 30 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 May 14, 2019, the CPUC Compliance Monitor noted. The CPUC Compliance Monitor spoke to onsite personnel and recommended getting secondary containment pumped out, especially since there was a rainstorm predicted later in the week.
- On May 20 12, 2019, the CPUC Compliance Monitor inspected the small triangle retention basin full of muddy water. He noted that no BMPs were placed to slow and divert stormwater runoff coming down from the southern portion of the project site; the berm that had been diverting this water into the detention basin was gone. Fortunately, the small concrete curb poured at the Markland exit diverted the water north and into the triangle retention basin. Thus, it appeared that the stormwater runoff did not run out onto the public road, however lots of mud (3 to 4 inches deep) dropped out in front of the Markland curb and sediment laden water exited the site via the standpipe in the retention basin. The CPUC Compliance Monitor notified onsite personnel of these concerns and recommended upgrading BMPs in this area to avoid potential runoff offsite.
- On May 30, 2019, the CPUC Compliance Monitor noted a large quantity of trash accumulating along the fencing near the entrance. The CPUC Compliance Monitor notified onsite personnel about the trash buildup.

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

Noise Compliance

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

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

Public Concerns
There were no public concerns during May 2019.

Minor Project Changes
During May 2019, there were no email or Minor Project Change approvals.

Sincerely,

Silvia Yanez
Project Manager, Ecology and Environment, Inc.

cc:
Lori Rangel, SCE
Don Dow, SCE

ATTACHMENT 1

CPUC Site Inspection Reports

May 6, 14, 20, and 30, 2019

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	May 6, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS070
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Partly cloudy, mild temperatures, and breezy
E & E CM:	Silvia Yanez	**Start/End time:**	1130 to 1400
Project NTP(s):	NTP-1, NTP-2		

SITE INSPECTION CHECKLIST (Based on monitor's observations during site visit; responses do not imply that monitor observed all staff, crews, and parts of the project during this inspection)

Worker Environmental Awareness Program (WEAP) Training	Yes	No	N/A
Is the WEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (BMPs) been installed?	X		
Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, dirt piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 mph on unpaved roads? *Except for the scrapers.*	X		
Are observed vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are observed vehicles/equipment turned off when not in use?	X		
Work Areas	Yes	No	N/A
Is vegetation disturbance within work areas minimized?	X		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?	X		
Are observed vehicles, equipment, and construction personnel staying within approved work areas	X		

and on approved roads?			
Are excavations and trenches covered at the end of the day?	X		
Are wildlife escape ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		
Biology	Yes	No	N/A
Have preconstruction surveys been completed for biological (wildlife, nesting birds, coastal California gnatcatcher, least Bell's vireo) resources, as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?	X		
Has wildlife been relocated from work areas? If yes, describe below.		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)? If yes, describe below.		X	
Did you observe any threatened or endangered species? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts to these features?			X
Have there been any work stoppages for biological resources? If yes, describe below.		X	
Cultural and Paleontological Resources	Yes	No	N/A
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?			X
Are archaeological and paleontological monitors onsite, if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?			X
Have there been any work stoppages for cultural/paleo resources? If yes, describe below.		X	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used on site properly managed?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are required fire prevention and control measures in place?	X		
Are contaminated soils properly managed for onsite storage or offsite disposal?	X		
Work Hours and Noise	Yes	No	N/A
Are required night lighting reduction measures in place?	X		
Is construction occurring within approved hours?	X		
Are required noise control measures in place?			X

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

The Mesa Substation work, the stormwater drainpipe 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 1130 and notified Project Coordinator Pete Lubich (ULM Services, Inc.). As I walked into the site, I noticed that the rumble plates at the project entry/exit were in need of cleaning/maintenance – Photo 1.

At the Senior Mechanical Electrical Equipment Room (MEER) building, construction work activities continued inside the building, and numerous trenches were dug around the building's exterior – Photo 2.

There were two fuel tanks near the project entrance, both of which sat in secondary containment bins. I noted that the bins were nearly full of brownish-colored oily water – Photo 3. I spoke to Power Grade personnel Craig Pernot and foreman Willie Clark about the level of fluid in these containment bins; both indicated that they would have them pumped out. Willie Clark mentioned that the brown coloring of the water was likely due to rust, and the liquid would be properly disposed.

I attended the post-lunch tailboard meeting with construction personnel and biological monitor Matt Daniele (ICF). A crew was using a water truck to spray the access roads throughout the project site; they were also using street sweepers to clean the public roads around the site.

Construction work activities continued at the northern boundary wall at three locations. A drilling rig was excavating holes for the "I" beams; the holes were well covered with sheets of plywood – Photo 4. Farther west, a crew was using an excavator to pull excess soil from around the base of the installed "I" beams – Photo 5. Additionally, a crew was installing boards in between the "I" beams to create the walls – Photo 6. I did not see a paleontological monitor at this location. I spoke with Project Coordinator Pete Lubich (ULM Services, Inc.) onsite and asked him about a paleontological monitor; he responded that there was one onsite earlier in the day. He also stated that there were upwards of 150 people working onsite.

Conduit trenching was occurring at the northern boundary of the project site and going under the boundary wall and extending toward the 66-kilovolt (kV) switchrack area. Crews were installing conduit in the trench just south of the northern boundary wall – Photo 7.

The two large erosion rills at the corners of the detention basin were filled – Photo 8. Weeds were growing on the banks of the detention basin.

Caltrans personnel were in the concrete channel just outside of the southern boundary wall and had cleaned out the remaining vegetation and sediment from the channel – Photo 9.

A small weeding crew was pulling and bagging the invasive vegetation located outside of the southern boundary wall. Avian biological monitor Marty Lewis was observing the work, since several bird nests were in the area. A painting crew was covering up the graffiti on the wall.

There continued to be significant construction activities occurring in the 220-kV switchrack area, including: the installation of aboveground structures – Photo 10; grounding wire trenching and installation – Photo 11; and the excavation and pouring of foundations – Photo 12.

No work was completed on any of the best management practices (BMPs) outside of the southern boundary wall – Photo 13 – or within the telecommunications corridor north of Potrero Grande Drive.

Concrete washout bins remained near the southeastern corner of the project site and were well contained – Photo 14.

Construction work at the Mesa Operations Building continued both on the boundary wall and inside of the building – Photo 15. Weed removal was completed to the northwest of the new Mesa Substation Operations Building – Photo 16.

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

All project personnel appear to have 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)

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

Removal of sediment and vegetation debris from the Caltrans channel and from the channel around the substation.

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.

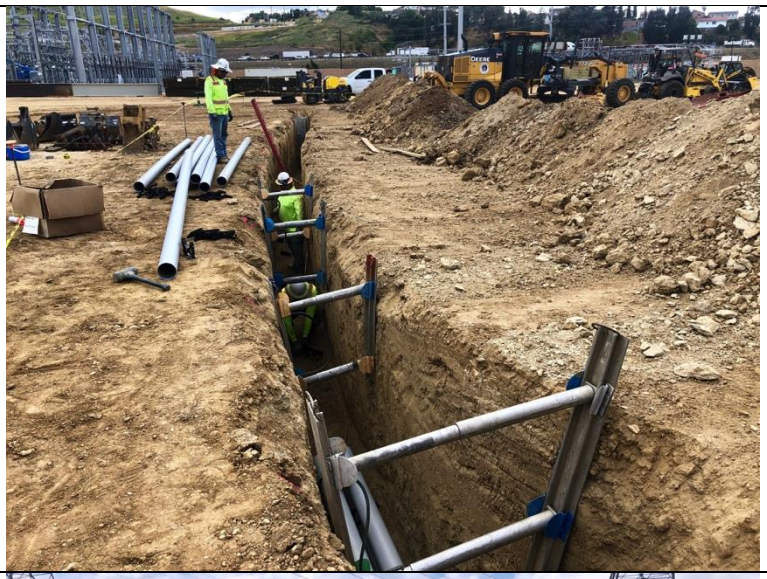
☐ Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

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**
5/06/19	Mesa Substation		Photo 1 – Rubble plate at the project entrance.
5/06/19	Mesa Substation		Photo 2 – Senior MEER work. Photo facing south.
5/06/19	Mesa Substation		Photo 3 – Fuel tank containment is nearly full.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/06/19	Mesa Substation		Photo 4 – Drilling "I" beam holes for the northern boundary wall. Photo facing west.
5/06/19	Mesa Substation		Photo 5 – Dirt work around the northern boundary wall "I" beams. Photo facing west.
5/06/19	Mesa Substation		Photo 6 – Wood installation between the "I" beams. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/06/19	Mesa Substation		Photo 7 – Conduit trenching at the 66-kV switchrack area. Photo facing south.
5/06/19	Mesa Substation		Photo 8 – Erosion repair of the large detention basin. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/06/19	Mesa Substation		Photo 9 – Caltrans channel cleaned out of vegetation and sediment. Photo facing west.
5/06/19	Mesa Substation		Photo 10 – 220-kV equipment installation. Photo facing north.
5/06/19	Mesa Substation		Photo 11 – Grounding wire installation within the 220-kV switchrack area. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/06/19	Mesa Substation		Photo 12 – 220-kV foundation work. Photo facing north.
5/06/18	Mesa Substation		Photo 13 – BMPs outside of the southern boundary wall. Photo facing southwest.
5/06/18	Mesa Substation		Photo 14 – Concrete washout station. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/06/18	Mesa Substation		Photo 15 – Wall work around the Mesa Operations Building. Photo facing east.
5/06/18	Mesa Substation		Photo 16 – Weed removal completed around the Mesa Operations Building. Photo facing west.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	5/09/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	5/9/19

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	May 14, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS071
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Hazy sunshine, mild temperatures, and breezy
E & E CM:	Silvia Yanez	**Start/End time:**	1200 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 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.). The rumble plates at the entry/exit to the site are seldom cleaned out when I am onsite, and today was no exception – Photo 1.

Work continued at the Senior Mechanical Electrical Equipment Room (MEER building). Most work occurred inside the building, and some equipment was installed on the foundations around the building - Photo 2. A couple of house finches entered the building; workers expressed concerned over the finches flying around and possibly trying to build a nest. They spoke to biological monitor Wayne Woodroof (Noreas) who recommended turning off the lights and leaving the doors open during their lunch break. I spoke to Wayne Woodroof later in the day about these birds; he felt they would leave the building when they got hungry. We also discussed exit ramps for the trenches and excavations.

The secondary containment for the onsite fuel tanks remained full of brownish-colored oily water – Photo 3. I spoke to Project Coordinator Pete Lubich (ULM Services, Inc.) about getting this water pumped out, especially since there was a rainstorm predicted later in the week.

A crew in a water truck was spraying down the access roads throughout the project site. A crew was using street sweepers to clean the public roads around the site. I asked Project Coordinator Pete Lubich (ULM Services, Inc.) about whether the crews us water trucks to spray the entire site toward the end of the workday so that the dusty areas form a crust overnight – he confirmed that it was being done.

It appeared that all the "I" beam holes had been drilled for the northern boundary wall; they were adequately sealed – Photo 4. "I" beam installation continues, and a concrete pumper truck was onsite to pour slurry in the space between the wall and the earthen berm – Photo 5. Numerous concrete trucks were being driven onto the site; the washout location remained in the southeastern portion of the project site.

There continued to be extensive construction activity at the 220-kilovolt (kV) switchrack area, including: the installation and connection of aboveground structures – Photo 6; the grounding wire trenching and installation – Photo 7; and the excavation and pouring of foundations – Photos 8 & 9.

Excavation activities were occurring along the northern boundary wall, including: the excavation and installation of a new conduit vault – Photo 10; and a backhoe digging out a "V" ditch at the base of the earthen slope – Photo 11. This work was being overseen by paleontological monitor Olivia Terk (Paleo Solutions) who mentioned that the excavation activities were being completed in native materials where she had found fossils several weeks ago.

By the southern boundary wall, a crew was trenching a small portion of the storm drain system that would extend under the wall – Photo 12.

I looked at several of the nesting bird buffers near the southeastern portion of the project site – Photo 13. A small crew continued to conduct weed removal up, motivated by the need to get rid of the weeds but also to reduce the amount of potential nesting habitat onsite. This work was being monitored by biologist Lauren Phillips.

Construction work at the Mesa Operations Building continued both on the boundary wall and inside of the building – Photo 14. A foreman indicated that they would be spraying the northern portion of the boundary wall with gunnite within the next two days.

A kestral nest was found on a new tubular steel pole (TSP) by the Mesa Operations Building – Photo 15. A 50-foot buffer was placed around the pole, and avian biologist, Ben Smith (ICF) was keeping an eye on the birds.

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)

Cleaning rumble plates and pumping out the fuel tank secondary containment

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

COMPLIANCE SUMMARY

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

☐ New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.

☐ Non-compliance – Level 1: An action that deviates from project requirements or results in the partial implementation of the mitigation measures, but has not caused, or has the potential to cause impacts on environmental resources. If you checked this box, describe the incident below and follow-up to ensure correction.

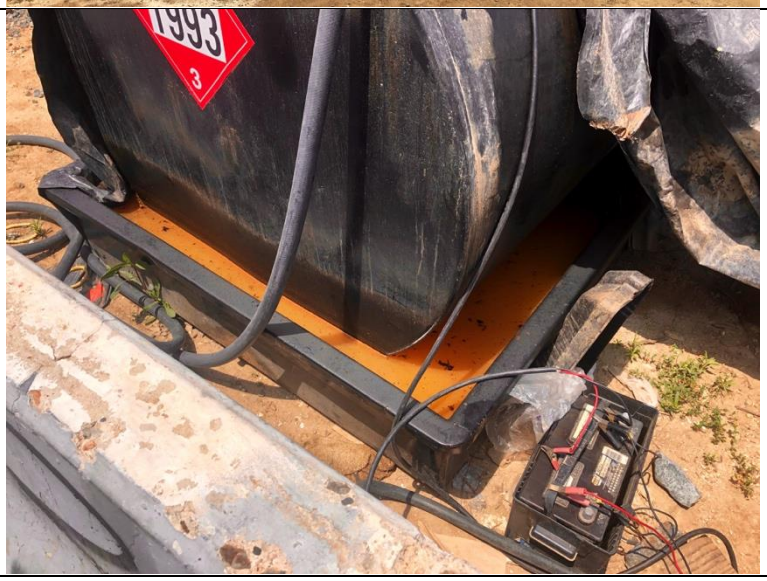
☐ Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing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

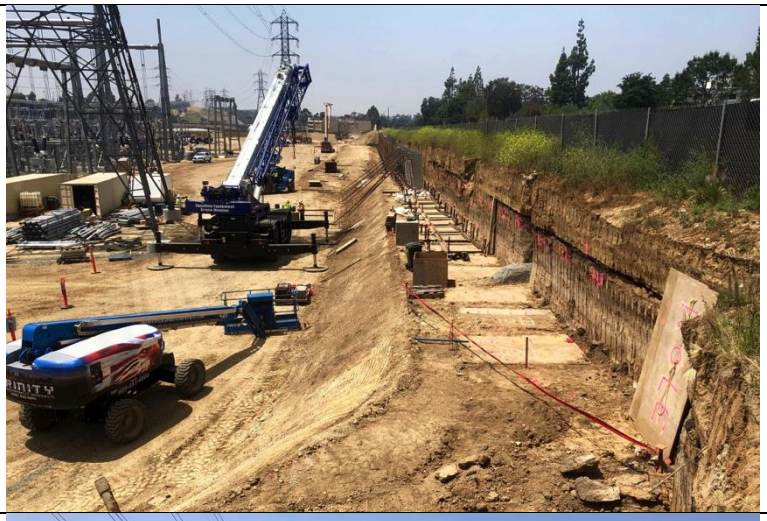
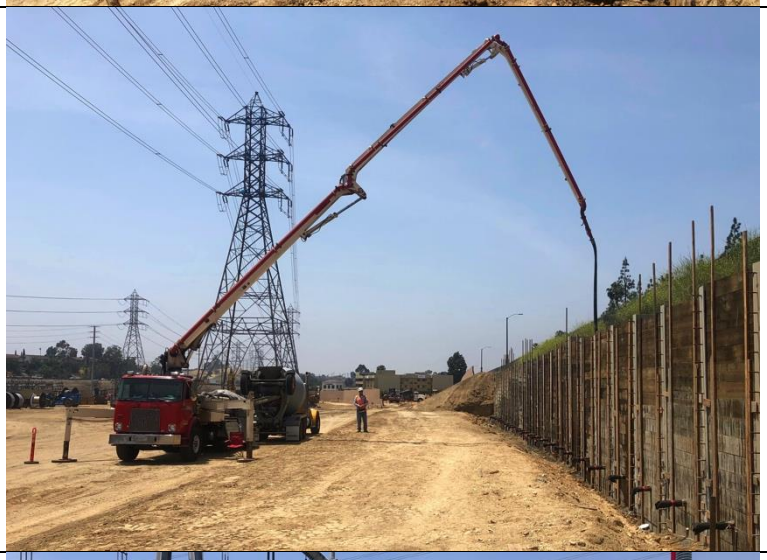
☐ Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, notice to proceed), and/or violates local, state, or federal law. Examples include irreparable damage to archaeological sites, destruction of active bird nests, and grading of unapproved vegetated areas. A non-compliance Level 3 may also be issued if Level 2 incidents are repeated. If you checked this box, please fill out a Non-Compliance Report.

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

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

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

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/14/19	Mesa Substation		Photo 1 – Rumble plate at the project entrance.
5/14/19	Mesa Substation		Photo 2 – Senior MEER work. the equipment was been placed on the foundations. Photo facing south.
5/14/19	Mesa Substation		Photo 3 – Fuel tank containment is nearly full.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/14/19	Mesa Substation		Photo 4 – Work on the northern boundary wall. Photo facing west.
5/14/19	Mesa Substation		Photo 5 – A concrete pumper truck filling the space behind the northern wall with slurry. Photo facing west.
5/14/19	Mesa Substation		Photo 6 – 220-kV equipment installation. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/14/19	Mesa Substation		Photo 7 – Grounding wire installation within the 220-kV switchrack area. Photo facing north.
5/14/19	Mesa Substation		Photo 8 – 220-kV foundation work. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/14/19	Mesa Substation		Photo 9 – 220-kV foundation work. Photo facing north.
5/14/19	Mesa Substation		Photo 10 – Installation of a new conduit vault. Photo facing north.
5/14/19	Mesa Substation		Photo 11 – Excavation of a “V” ditch at the base of the slope. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/14/19	Mesa Substation		Photo 12 – Excavation for a storm drain lateral line under the southern boundary wall. Photo facing south.
5/14/18	Mesa Substation		Photo 13 – Bird buffer signage located south of the substation. Photo facing southwest.
5/14/18	Mesa Substation		Photo 14 – Mesa Operations Building. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/14/18	Mesa Substation		Photo 15 – TSP with a kestrel nest in one of the arms. Photo facing east.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	5/18/19

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

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	May 20, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS072
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Clear and cool with a slight breeze
E & E CM:	Silvia Yanez	**Start/End time:**	0800 to 1045
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	X		

and on approved roads?			
Are excavations and trenches covered at the end of the day?	X		
Are wildlife escape ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		
Biology	Yes	No	N/A
Have preconstruction surveys been completed for biological (wildlife, nesting birds, coastal California gnatcatcher, least Bell's vireo) resources, as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?	X		
Has wildlife been relocated from work areas? If yes, describe below.		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)? If yes, describe below.		X	
Did you observe any threatened or endangered species? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts to these features?			X
Have there been any work stoppages for biological resources? If yes, describe below.		X	
Cultural and Paleontological Resources	Yes	No	N/A
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?			X
Are archaeological and paleontological monitors onsite, if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?			X
Have there been any work stoppages for cultural/paleo resources? If yes, describe below.		X	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used on site properly managed?		X	
Are procedures in place to prevent spills and accidental releases?	X		
Are required fire prevention and control measures in place?	X		
Are contaminated soils properly managed for onsite storage or offsite disposal?	X		
Work Hours and Noise	Yes	No	N/A
Are required night lighting reduction measures in place?	X		
Is construction occurring within approved hours?	X		
Are required noise control measures in place?			X

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

The Mesa Substation work, the 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 800 and notified Project Coordinator Pete Lubich (ULM Services, Inc.). Since my last site visit, the project site received almost an inch of rain from two spring storms. According to the Storm Water Pollution Prevention Plan (SWPPP) inspector, Lucy Cortez-Johnson (CASC), 0.79 inch was recorded from the May 16-17, 2019, rain event and another 0.19 inch was recorded over the weekend. The concrete channel draining the existing substation and the Mesa Operations Building was full of water - Photo 1. Water from this channel runs into the project site and eventually leads to the detention basin.

The exit/entry mud control/track out system (i.e., rock and rumble plates) needed maintenance/upgrades, as the large rock placed between the two rumble plates was packed with mud – Photo 2. A street sweeper was cleaning the public roads around the site.

The secondary containment for the onsite fuel tanks had been pumped out; the two tanks were also covered with additional plastic to keep out the rainwater – Photo 3.

Construction work continued inside the Senior Mechanical Electrical Equipment Room (MEER) building and excavation was completed outside and north of the building - Photo 4.

The northern boundary wall work continued. Crews were working on the "I" beams while a pumper truck was used to pour slurry behind the new wall – Photo 5. There was a constant flow of concrete trucks coming onsite; all were washing out in the established bins – Photo 20.

Construction work continued at the 220-kilovolt (kV) switchrack area and crews focused on connecting the aboveground structures – Photos 6 & 7 – and the grounding wire foundation work – Photos 8 & 9. I saw biological monitor Lauren Phillips at the 66-kV switchrack area. She observed a pair of house finches building a nest on the structures and was waiting for a crew to bring a manlift to check if there were eggs in the nest. They may remove the nest if eggs are not present.

A crew with a backhoe was backfilling and wheel-rolling what appeared to be a storm drain trench – Photo 10. A significant amount of rainwater runoff ran through this portion of the project site, filling this trench and eventually draining into a storm drain inlet located on the inside of the new western boundary wall – Photo 12. This water entered the large detention basin – Photo 16.

A crew had cleaned out mud from the recently excavated "V" ditch at the base of the earthen slope below the northern boundary wall. They were also placing wire on the earthen slope, which would likely be sprayed with a concrete mix – Photo 11.

The small "triangular" retention basin was full of muddy water – Photo 15. There were no best management practices (BMPs) placed to slow and divert stormwater runoff coming from the southern portion of the project site; the berm that had been diverting this water into the detention basin was gone. Fortunately, the small concrete curb poured at the Markland Drive exit diverted the water north and into the "triangular" retention basin – Photos 13, 14, & 15. It appeared that the stormwater runoff did not run out onto the public road; however an extensive amount of mud (3 to 4 inches deep) dropped out in front of the Markland Drive curb, and sediment laden water exited the site via the standpipe in the retention basin.

Stormwater runoff also flowed down along the outside of the southern boundary wall. The BMPs were not repaired; therefore, sediment-laden water did not slow down as it approached the drain inlet – Photos 16 & 17 – and a piece of filter fabric was

placed over the drain inlet, essentially blocking it – Photo 18. The combination of BMPs in disrepair and a blocked drain inlet resulted in sediment laden water continuing down into the Caltrans channel and potentially leaving the project site.

At the Mesa Operations Building, a large crew was working on the northern portion of the boundary wall – Photo 21. There was significant ponded water around the building, all of which was pumped into the concrete channel just west of the building site – Photo 22. I noticed that the kestral nest buffer signs had been removed around the tubular steel pole (TSP) near the Mesa Operations Building – Photo 23. I called biological monitor Matt Daniele (ICF) to discuss this and he said that biologist Ben Smith (ICF) documented the failure of this nest.

I examined the two major runoff locations along the Transmission Corridor – Photos 24 & 25. Water did come down off of the corridor and through the BMPs; however, the amount of sediment appeared to be reduced; likely due to the establishment of vegetation within the corridor.

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)

Upgrades to the project entry/exit.

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

BMP upgrades should have been completed ahead of this rain event.

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.

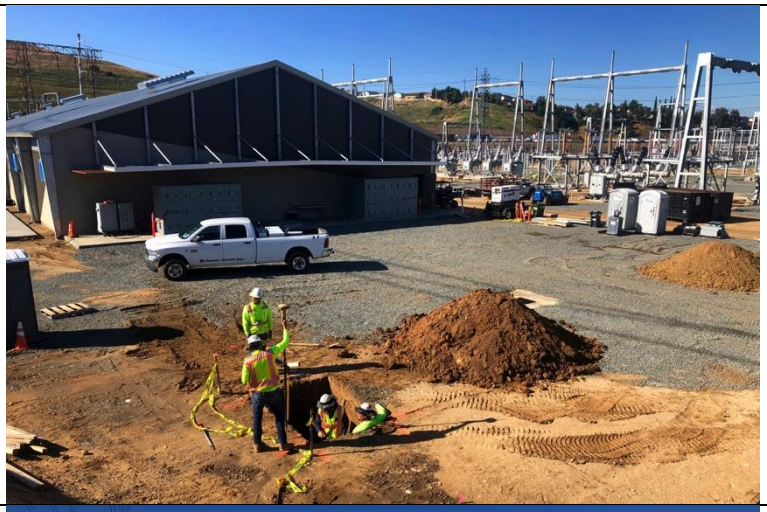
If you checked this box, please fill out a Non-Compliance Report.

☐ 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:

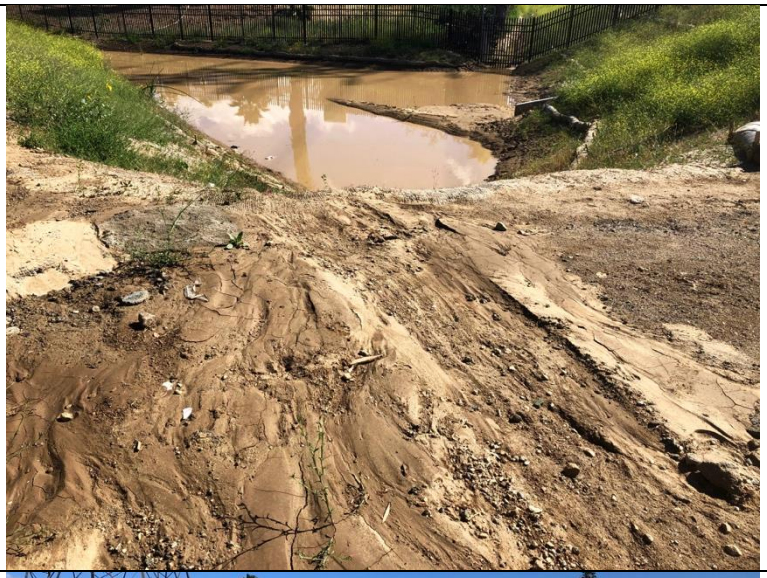
REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/20/19	Mesa Substation		Photo 1 – Concrete channel surrounding the existing substation. Photo facing east.
5/20/19	Mesa Substation		Photo 2 – Exit/Entry BMPs with mud packed rock.
5/20/19	Mesa Substation		Photo 3 – Fuel tank containment has been pumped out and the tanks covered in plastic.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/20/19	Mesa Substation		Photo 4 – Excavation work around the Senior MEER. Photo facing south.
5/20/19	Mesa Substation		Photo 5 – Work on the northern wall including a concrete pumper truck filling the space behind the northern wall with slurry. Photo facing west.
5/20/19	Mesa Substation		Photo 6 – Work on the 220-kV equipment. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/20/19	Mesa Substation		Photo 7 – Work on the 220-kV equipment. Photo facing south.
5/20/19	Mesa Substation		Photo 8 – 220-kV foundation work. Photo facing north.
5/20/19	Mesa Substation		Photo 9 – 220-kV foundation work. Photo facing north

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/20/19	Mesa Substation		Photo 10 – Backfilling a trench. Photo facing south.
5/20/19	Mesa Substation		Photo 11 – Cleaning out the mud from the "V" ditch at the base of the slope. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/20/19	Mesa Substation		Photo 12 – Storm drain inlet near the western wall.
5/20/18	Mesa Substation		Photo 13 – Sediment dropped out near the Markland project exit. Photo facing west.
5/20/18	Mesa Substation		Photo 14 – Markland concrete curb diverted stormwater runoff into the retention basin to the north. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/20/18	Mesa Substation		Photo 15 – Triangle retention basin is full – note the flow lines where water entered the basin. Photo facing north.
5/20/19	Mesa Substation		Photo 16 – Detention basin. Photo facing north.
5/20/19	Mesa Substation		Photo 17 – BMPs south of the southern wall. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/20/19	Mesa Substation		Photo 18 – BMPs south of the southern wall. Photo facing west.
5/20/19	Mesa Substation		Photo 19 – Project drain inlet blocked by sediment and filter fabric.
5/20/19	Mesa Substation		Photo 20 – Concrete washout location near the southeastern portion of the project site. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/20/19	Mesa Substation – Mesa Operations Building		Photo 21 – Work on the northern wall. Photo facing northeast.
5/20/19	Mesa Substation – Mesa Operations Building		Photo 22 – Ponded water within the Mesa Operations Building site. Photo facing west.
5/20/19	Mesa Substation – Mesa Operations Building		Photo 23 – TSP where a pair of Kestrals were nesting.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/20/19	Mesa Substation		Photo 24 – Telecommunications corridor. Photo facing north.
5/20/19	Mesa Substation		Photo 25 – Sediment traps at the western end of the telecommunications corridor. Photo facing east.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	5/21/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	5/22/19

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	May 30, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS073
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Overcast and cool with a slight breeze
E & E CM:	Silvia Yanez	**Start/End time:**	0800 to 1100
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	X		

and on approved roads?			
Are excavations and trenches covered at the end of the day?	X		
Are wildlife escape ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		
Biology	Yes	No	N/A
Have preconstruction surveys been completed for biological (wildlife, nesting birds, coastal California gnatcatcher, least Bell's vireo) resources, as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?	X		
Has wildlife been relocated from work areas? If yes, describe below.		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)? If yes, describe below.		X	
Did you observe any threatened or endangered species? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts to these features?			X
Have there been any work stoppages for biological resources? If yes, describe below.		X	
Cultural and Paleontological Resources	Yes	No	N/A
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?			X
Are archaeological and paleontological monitors onsite, if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?			X
Have there been any work stoppages for cultural/paleo resources? If yes, describe below.		X	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used on site properly managed?		X	
Are procedures in place to prevent spills and accidental releases?	X		
Are required fire prevention and control measures in place?	X		
Are contaminated soils properly managed for onsite storage or offsite disposal?	X		
Work Hours and Noise	Yes	No	N/A
Are required night lighting reduction measures in place?	X		
Is construction occurring within approved hours?	X		
Are required noise control measures in place?			X

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

The Mesa Substation work, the 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 800. I saw Project Coordinator Pete Lubich (ULM Services, Inc.) and he mentioned that crews were inspecting best management practice (BMP) repairs noted in an email from Ecology and Environment, Inc. (E & E) Compliance Manager Ilja Nieuwenhuizen.

Upon entering the project site, I noted a large quantity of trash accumulating along the fence – Photo 1 – and the ongoing needed maintenance of the rock and rumble plates at the entry/exit – Photo 2. I notified Project Coordinator Pete Lubich (ULM Services, Inc.) about the trash build-up.

Construction work along the northern boundary wall continued at several different locations – Photo 3 – including additional "I" beam drilling toward the western end of the wall – Photo 4. The drilled holes were well sealed.

An open conduit trench was noted running east/west inside the northern wall – Photo 5. This trench had a sloped escape ramp at one end of the excavation.

Biological monitors Karly Moore and Wayne Woodroof (Noreas) were at the 66-kilovolt (kV) switchrack area observing nesting bird activity. Wayne Woodroof said that the young in one nest had recently fledged; thus, they would remove the nest and the buffer stakes. Craig Pernot (Power Grade foreman) was on his way to the site with a man lift to remove the nesting material and buffer – Photo 6.

Construction work at the 220-kV switchrack area included: the ongoing grounding work – Photo 7; the pouring of foundations – Photo 8; and extensive aboveground connecting work – Photo 9.

A large crew was spraying concrete over the earthen slope just inside the western portion of the northern boundary wall – Photo 10.

At the large detention basin, I noted wet mud, indicating that water had recently entered the basin – Photo 11. According to Project Coordinator Pete Lubich (ULM Services, Inc.), it rained over the weekend. The weedy vegetation growing on the slopes of the basin was maturing and setting seed.

A row of wattle was added at the driveway that exits onto East Markland Avenue – Photo 12. No additional BMPs were added upslope from this location. Stormwater runoff coming down toward Markland Drive appears to be directed into the small "triangular" retention basin.

Construction work on a "V" ditch was occurring along the inside of the southern boundary wall – Photo 13.

There were no substantial BMP upgrades along the southern boundary wall's exterior, except for the addition of gravel bags around the drain inlet and the removal of the filter fabric over the inlet grate – Photo 14. It appeared that rainwater runoff from Highway 60 was entering the project's detention basin via the drain inlet south of the boundary wall – Photo 15.

Water was being pumped out of a catch basin (located south of the existing substation) and into a water truck to be used for dust suppression throughout the project site – Photo 16.

Lastly, construction work continued inside of the Senior Mechanical Electrical Equipment Room (MEER) building - Photo 17.

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)

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

Owl pellets and raccoon tracks were seen within the project boundaries.

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.

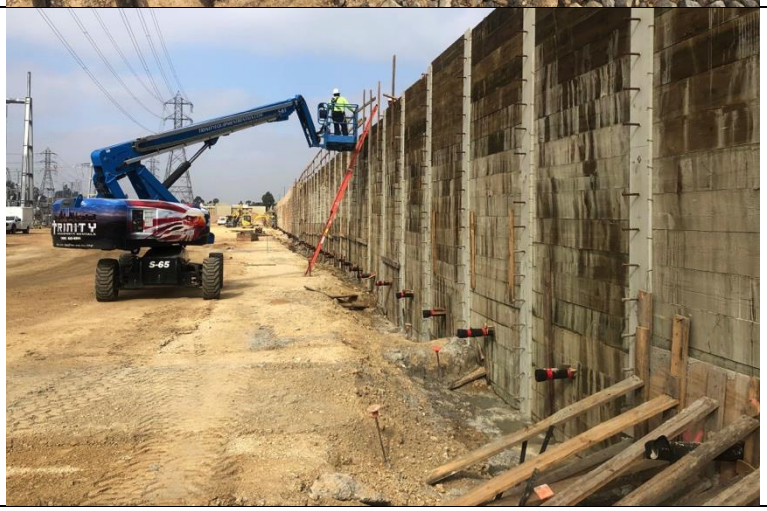
☐ Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing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

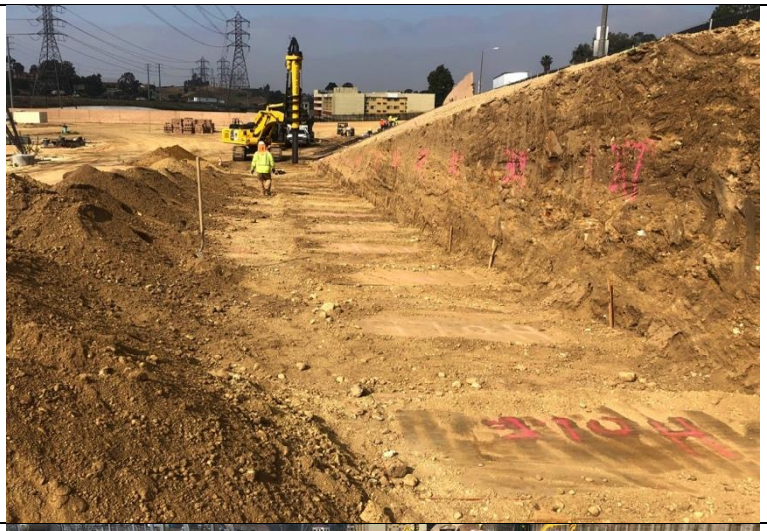
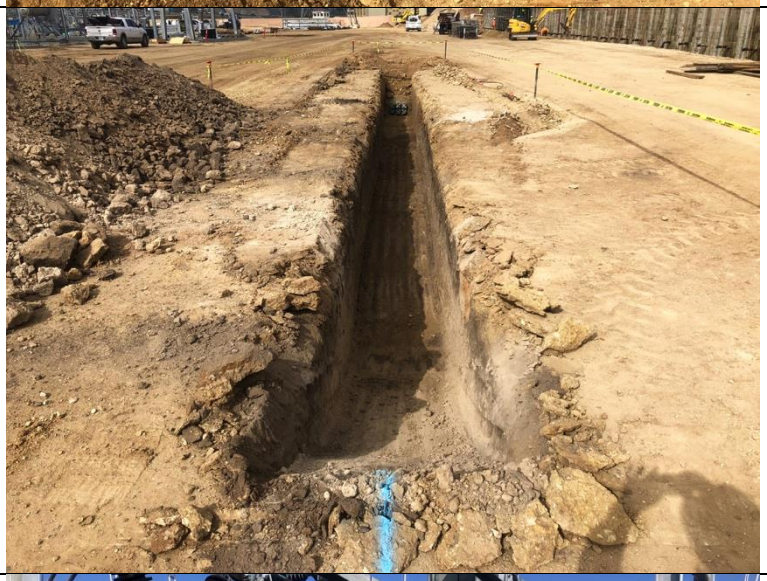
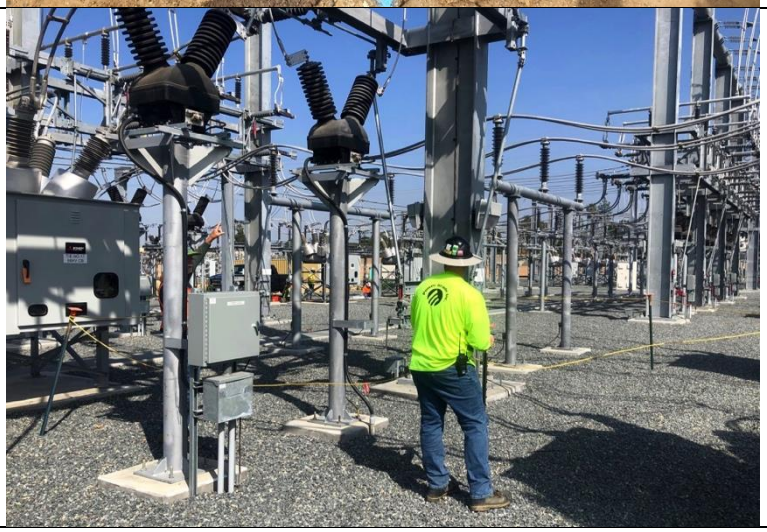
☐ Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes,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

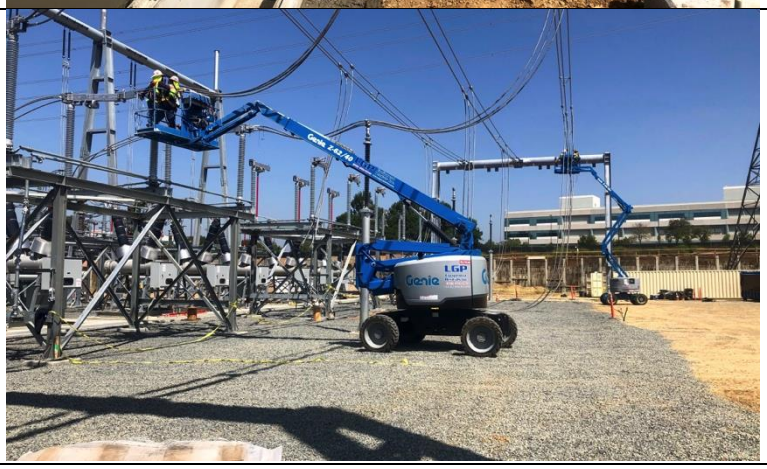
☐ Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

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**
5/30/19	Mesa Substation		Photo 1 – Trash accumulation along the entry fence.
5/30/19	Mesa Substation		Photo 2 – Exit/Entry BMP needs minor maintenance.
5/30/19	Mesa Substation		Photo 3 – Wall installation along the northern border. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/30/19	Mesa Substation		Photo 4 – Drilling operation for the northern wall. Photo facing west.
5/30/19	Mesa Substation		Photo 5 – An open conduit trench with escape ramp. Photo facing west.
5/30/19	Mesa Substation		Photo 6 – Removal of a bird buffer w/in the 66-kV equipment. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/30/19	Mesa Substation		Photo 7 – Installation of copper grounding wire. Photo facing north.
5/30/19	Mesa Substation		Photo 8 – 220-kV foundation work. Photo facing north.
5/30/19	Mesa Substation		Photo 9 – 220-kV above ground installation work. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/30/19	Mesa Substation		Photo 10 – Covering the north slope with concrete. Photo facing west.
5/30/19	Mesa Substation		Photo 11 – Detention basin – note the muddy conditions and the weed growth on the banks. Photo facing southwest.
5/30/19	Mesa Substation		Photo 12 – East Markland driveway with newly installed straw wattle. Photo facing northwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/30/18	Mesa Substation		Photo 13 – "V" ditch installation along the inside of the southern boundary wall. Photo facing west.
5/30/18	Mesa Substation		Photo 14 – BMPs outside of the southern wall – only a few minor upgrades were installed. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/30/18	Mesa Substation		Photo 15 – Highway 60 drainage culvert – water coming from the highway drains into the project stormwater drainage system. Photo facing south.
5/30/19	Mesa Substation		Photo 16 – Pumping captured rainwater into a water truck to be used for dust control. Photo facing northwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
5/30/19	Mesa Substation		Photo 17 – Senior MEER. Photo facing south.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	6/03/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	6/4/19