

January 13, 2020

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

Re: Monthly Report Summary #19 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 **April 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 **April 3, 11, and 18, 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 April 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 April 2019 provided a compliance summary and included a description of construction activities from April 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 April 2019 reporting period, SCE self-reported one non-project related compliance observation. The compliance observation is described below.

- On April 26, 2019, a biologist observed a non-project Caltrans 20-man crew trimming and removing vegetation and trash within the Caltrans ROW adjacent to SR-60 and the Mesa Substation. The incident was observed adjacent to the Mesa Substation footprint within ruderal and California coastal sage scrub vegetation. The area affected was surveyed and was outside of the Mesa Substation project approved disturbance limits. This incident conflicts with **MM BR-9: Construction Monitoring**.

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

- On April 3, 11, and 18 2019, the CPUC Compliance Monitor observed the entry/exit rumble plates at the main entrance filled with rock. The CPUC Compliance Monitor recommended increasing the frequency of maintaining the rumble plates clean when safe to do so.
- On April 3, 2019, the CPUC Compliance Monitor inspected the Caltrans concrete channel outside of the southern boundary wall and noted minimal changes since the last visit. A significant amount of project sediment and vegetation remained inside of the channel. The CPUC Compliance Monitor advised cleaning the channel.
- On April 11, 2019, the CPUC Compliance Monitor noted a large quantity of significant vegetation growing on the slopes of the large detention basin, particularly weeds, such as black mustard, wild radish, and at least 3 species of thistle. The CPUC Compliance Monitor advised removing these weeds to minimize potential nesting habitat and to adhere with the Mesa Substation noxious weed control plan.

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

Noise Compliance

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

Spills

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

Public Concerns

There were no public concerns during April 2019.

Minor Project Changes

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

Sincerely,

A handwritten signature in black ink, appearing to be 'S. J. ...', with a horizontal line underneath.

Silvia Yanez
Project Manager, Ecology and Environment, Inc.

cc:
Lori Rangel, SCE
Don Dow, SCE

ATTACHMENT 1

CPUC Site Inspection Reports

April 3, 11, and 18, 2019



Mesa 500–kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	April 3, 2019
Project Proponent:	Southern California Edison	Report #:	VS067
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	AM/PM Weather:	Mostly cloudy and breezy with mild temperatures
E & E CM:	Silvia Yanez	Start/End Time:	1245 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? <i>Except for the scrapers.</i>	X		
Are observed vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are observed vehicles/equipment turned off when not in use?	X		
Work Areas	Yes	No	N/A
Is vegetation disturbance within work areas minimized?	X		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?	X		

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

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

The Mesa Substation 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.).

Rainwater runoff remained in the concrete channel surrounding the Existing Mesa Substation – Photo 1. Upslope/upstream from the rainwater, large amounts of sediment and trash from the project appeared to have accumulated in the channel – Photo 2.

Construction work activities at the Senior Mechanical Electrical Equipment Room (MEER) building included concrete pads being poured on the east side of the building – Photo 3.

Installation of the 220-kilovolt (kV) switchrack equipment continued, and crews worked on connecting the equipment – Photos 4 & 5. A crew was using an excavator to dig conduit vaults near the northeastern corner of the 220-kV switchrack area – Photo 6.

Crews were drilling foundations on the southeast end of the 220-kV switchrack area and were spreading gravel – Photos 7 & 8.

Brick installation was being completed on both walls that run along the northern portion of the project – Photo 9. Crews set up a mortar mixing station for the brickwork that appeared to be well contained; however, I did observe minimal spills nearby – Photo 10.

Steel fencing was being installed along the north side of the detention basin – Photo 11. The steel fence was installed along the western end of the project site, with a new opening towards Markland Avenue – Photo 12.

A manhole into the stormwater drainage system was poured near the southern boundary of the project site – Photo 13.

I inspected the Caltrans channel outside of the southern boundary wall and noted minimal changes since my last visit. A significant amount of project sediment and vegetation remained inside of the channel – Photo 14.

The straw wattles located outside of the southern boundary wall were not repaired – Photo 15.

I noted a material staging area along the southern portion of the project – Photo 16.

Underground conduit work continued onsite – Photo 17.

Water remained ponded in the catch basins below several towers and additional sediment had settled in this basin – Photo 18.

Biological monitors Wayne Woodroof (Noreas) and Dilip Mahto were preparing to install buffer stakes around a tubular steel pole (TSP) where kestrels began nesting – Photo 19. Avian biologist Ben Smith (ICF), was onsite and noting the nesting activity.

Construction work at the Mesa Operations Building continued both on the eastern wall and inside the building – Photos 20 & 21. Water remained ponded around the gravel bag berm installed around the drain inlet – Photo 22.

I did not observe repair work on the best management practices (BMPs) north of Potrero Grande Drive.

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

All project personnel appear to have completed Worker Environmental Awareness Program (WEAP) training (MM BR-5). See the mitigation measures (MMs) listed in the observed activities.

RECOMMENDED FOLLOW-UP (i.e., items to check on next visit, minor issues to resolve)

BMP maintenance upgrades and site drainage upgrades across the site.

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

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

COMPLIANCE SUMMARY

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

- New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.
- Non-compliance – Level 1: An action that deviates from project requirements or results in the partial implementation of the mitigation measures, but has not caused, or has the potential to cause impacts on environmental resources. If you checked this box, describe the incident below and follow-up to ensure correction.
- Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report.
- Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, notice to proceed), and/or violates local, state, or federal law. Examples include irreparable damage to archaeological sites, destruction of active bird nests, and grading of unapproved vegetated areas. A non-compliance Level 3 may also be issued if Level 2 incidents are repeated. If you checked this box, please fill out a Non-Compliance Report.
- Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

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

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

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
4/03/19	Mesa Substation		Photo 1 – Rainwater runoff in the substation drainage channel. Photo facing east.
4/03/19	Mesa Substation		Photo 2 – Sediment and trash in the substation drainage channel. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
4/03/19	Mesa Substation		Photo 3 – The Senior MEER building. Photo facing south.
4/03/19	Mesa Substation		Photo 4 – Installation of above ground equipment in the 220-kV switchrack area. Photo facing west.
4/03/19	Mesa Substation		Photo 5 – Equipment installation work in the 220-kV switchrack area. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
4/03/19	Mesa Substation		Photo 6 – Excavation for conduit vaults. Photo facing north.
4/03/19	Mesa Substation		Photo 7 – Drilling foundation holes within the 220-kV switchrack area. Photo facing northeast.
4/03/19	Mesa Substation		Photo 8 – Spreading gravel within the 220-kV switchrack area. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
4/03/19	Mesa Substation		Photo 9 – Wall work along the northern project boundary. Photo facing west.
4/03/19	Mesa Substation		Photo 10 – Mortar mixing station. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
4/03/19	Mesa Substation		Photo 11 – Metal fence work. Photo facing west.
4/03/19	Mesa Substation		Photo 12 – New exit/entry onto Markland Ave. Photo facing west.
4/03/18	Mesa Substation		Photo 13 – Pouring slurry around a stormwater drainage manhole. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
4/03/18	Mesa Substation		Photo 14 – Sediment and vegetative material in the Caltrans channel. Photo facing west.
4/03/19	Mesa Substation		Photo 15 – Undermined wattles outside of the southern boundary wall. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
4/03/19	Mesa Substation		Photo 16 – Materials staging area. Photo facing east.
4/03/19	Mesa Substation		Photo 17 – Underground conduit work. Photo facing southeast.
4/03/19	Mesa Substation		Photo 18 – Rainwater catch basin. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
4/03/19	Mesa Substation		Photo 19 – Biological monitors preparing to set up buffer stakes. Photo facing east.
4/03/19	Mesa Substation		Photo 20 – Eastern wall of the Mesa Operations Building. Photo facing north.
4/03/19	Mesa Substation		Photo 21 – Work inside of the Mesa Operations Building.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
	Mesa Substation		Photo 22 – Poned rainwater runoff near the Mesa Operations Building. Photo facing south.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	4/08/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	4/08/19



Mesa 500–kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	April 11, 2019
Project Proponent:	Southern California Edison	Report #:	VS068
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	AM/PM Weather:	Mostly overcast and breezy with mild temperatures
E & E CM:	Silvia Yanez	Start/End Time:	1415 to 1630
Project NTP(s):	NTP-1, NTP-2		

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

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

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

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

The Mesa Substation 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 1415 and notified Project Coordinator Pete Lubich (ULM Services, Inc.).

Upon entering the site, a construction crew member began cleaning out the rumble plates – Photo 1.

Construction work activities continued around the Senior Mechanical Electrical Equipment Room (MEER) building. It appeared that slope work had been completed around the Senior MEER building and concrete pad work was ongoing – Photo 2.

There was a significant amount of construction activity at the 220-kilovolt (kV) switchrack area, including: concrete pours around the equipment – Photo 3; installation of the 220-kV equipment – Photo 4; and additional foundation work – Photo 5.

The slope along the northern boundary was cut back and a crew was using a drill rig to drill holes for an “I” beam wall – Photo 6. I spoke to Project Coordinator Pete Lubich (ULM Services, Inc.) and he explained that they were installing a similar wall to the one installed near the Mesa Operations Building. I asked him about having a paleontological monitor observe the work and he confirmed that a monitor was onsite for this work. All drill holes appeared adequately covered. A crew was using a loader to pick up the excess dirt and transport it to an area just south of the substation. A crew was using a water truck to spray this area to minimize dust.

There were no brickwork installation activities being completed on walls; however, a metal gate was being installed in a gap on the southern wall – Photo 10.

The small “triangular” retention basin had a small amount of water inside and appeared to be accumulating large quantities of trash – Photo 7.

There was significant vegetation growing on the slopes of the large detention basin. A significant amount of this growth was weeds, such as black mustard, wild radish, and at least three species of thistle – Photo 8.

Excavation for and installation of conduit continued near the southern boundary wall – Photo 9.

Excess soil from the project area was being transported to a location south of the existing substation – Photo 11. Currently, the soil transported to this location is moist; however, eventually, this area will need to be checked for potential dust control issues.

I saw biological monitors Wayne Woodroof (ICF) and Ben Smith (ICF) and I asked them about the status of the kestral nest. Ben Smith noted that there were eggs and he observed the male hawk bringing food to the female. The 300-foot buffer was staked with signs; portions were also roped off – Photo 12.

A pile of what appeared to be brick wall materials and mortar was dumped in the southeast portion of the project area – Photo 13.

Construction work at the Mesa Operations Building continued both on the eastern wall and inside of the building – Photo 14.

There were no signs of best management (BMP) repair work completed at the Transmission Corridor north of Potrero Grande Drive – Photos 15 & 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
4/11/19	Mesa Substation		Photo 1 – Rumble plate being cleaned out. Photo facing west.
4/11/19	Mesa Substation		Photo 2 – Senior MEER work. Photo facing south.
4/11/19	Mesa Substation		Photo 3 – Concrete work within the 220-kV switchrack area. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
4/11/19	Mesa Substation		Photo 4 – Installation of above ground equipment in the 220-kV switchrack area. Photo facing north.
4/11/19	Mesa Substation		Photo 5 – Pouring foundations within the 220-kV switchrack area. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
4/11/19	Mesa Substation		Photo 6 – Drilling “I” beam holes for the northern wall. Photo facing east.
4/11/19	Mesa Substation		Photo 7 – Triangular retention basin. Photo facing north.
4/11/19	Mesa Substation		Photo 8 – Slopes at the large detention basin. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
4/11/19	Mesa Substation		Photo 9 – Conduit work. Photo facing east.
4/11/19	Mesa Substation		Photo 10 – Installation of a metal gate. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
4/11/19	Mesa Substation		Photo 11 – Soil stockpile area east of the existing substation. Photo facing east.
4/11/19	Mesa Substation		Photo 12 – Nest buffer signage. Photo facing east.
4/11/18	Mesa Substation		Photo 13 – Pile of old construction material. Photo facing northeast.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
4/11/18	Mesa Substation		Photo 14 – Wall work at the Mesa Operations Building. Photo facing east.
4/11/19	Mesa Substation		Photo 15 – BMPs north of Potrero Grande. Photo facing northwest.
4/11/19	Mesa Substation		Photo 16 – BMPs north of Potrero Grande. Photo facing east.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	4/015/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	04/15/19



Mesa 500–kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	April 18, 2019
Project Proponent:	Southern California Edison	Report #:	VS069
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	AM/PM Weather:	Partly cloudy, cool, and breezy
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? <i>Except for the scrapers.</i>	X		
Are observed vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are observed vehicles/equipment turned off when not in use?	X		
Work Areas	Yes	No	N/A
Is vegetation disturbance within work areas minimized?	X		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?	X		
Are observed vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		

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

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

The Mesa Substation 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 0800 and notified Project Coordinator Pete Lubich (ULM Services, Inc.). The rumble plate at the project entry/exit was filled with rock and needed to be cleaned out – Photo 1.

Work continued in and around the Senior Mechanical Electrical Equipment Room (MEER) building – Photo 2. Construction activity within the 220-kilovolt (kV) switchrack area included foundation work, grounding wire trenching and installation, and aboveground equipment installation and testing – Photo 3.

“I” beams were being installed in the drilled holes at the northern boundary wall – Photo 4. The crew had done a good job of covering the drilled holes, including those drilled from the “I” beam installation.

A crew was using a dozer to grade the slope below the northern wall, and a loader was being used to pick up the excess soil and transport it to a designated area south of the substation – Photo 5. A water truck was being used throughout the site to minimize dust.

A crew was removing weeds from the north facing berm near the motel at the northwestern corner of the project site – Photo 6. Biological monitor Marty Lewis was providing full-time oversight of this work and had not seen any nesting activity in the weeds. There was an oriole nest in a palm tree located outside of the project boundary near the berm; a buffer was set up near the nest. The weeding crew moved to a different location despite the large amount of small yellow star thistle that remained on the berm. Later that morning I spoke to biological monitor Matt Daniele (ICF) and Power Grade foreman Craig Pernot about the remaining weeds. They mentioned that crews were attempting to remove most of the larger weeds to discourage nesting activity and would then come back to address the remaining weeds.

The small “triangular” retention basin was almost dry and appeared to be accumulating more trash; it appeared that most of this trash was coming from outside of the project site – Photo 7.

Concrete trucks were being used to pour a portion of the southern boundary wall – Photo 8 – as well as a conduit trench located near the 16-kV switchrack area – Photo 9. A crew with a motorgrader was backfilling a conduit trench along the southern boundary wall – Photo 10.

Biological monitor Wayne Woodroof (Noreas) was onsite and we briefly discussed Caltrans removing the tree containing the bushtit nest. He notified me of other nesting activity onsite, most of which I had already known about. I observed the male kestrel bringing food to the female at their nest; that buffer zone remained in place and was well marked with signage. Biological monitor Matt Daniele (ICF) and Power Grade foreman Craig Pernot were near the gnatcatcher environmental sensitive area, where a mockingbird appeared to be building a nest; they were discussing the buffer zone that would be needed and the materials to be moved.

Some upgrades to best management practices (BMP) were completed outside of the southern boundary wall; however, most appeared to be in poor condition – Photos 11 & 12.

At the Mesa Operations Building, a crewmember was finalizing pumping out a 16-foot-deep vault that had been filled with water. He used a 2-inch pump and hose and stated that they had gotten permission to pump out this water. I spoke to a foreman, who confirmed they had gotten permission from the Storm Water Pollution Prevention Plan (SWPPP) inspector, Lucy Cortez-Johnson (CASC). Unfortunately, the crew pumped the water out onto the berm just to the west of the job site, which

created a large erosion rill – Photo 13. Fortunately, the water and mud collected in the concrete channel that surrounds the substation eventually leads to the project detention basin.

Work at the Mesa Operations Building continued both on the boundary wall and inside of the building – 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)

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
4/18/19	Mesa Substation		Photo 1 – Rumble plate once again filled with rock.
4/18/19	Mesa Substation		Photo 2 – Senior MEER work. Photo facing south.
4/18/19	Mesa Substation		Photo 3 – Work being completed within the 220-kV switchrack area. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
4/18/19	Mesa Substation		Photo 4 – “I” beam installation at the northern boundary wall. Photo facing west.
4/18/19	Mesa Substation		Photo 5 – Earth work inside of the northern boundary wall. Photo facing northwest.
4/18/19	Mesa Substation		Photo 6 – Weed removal. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
4/18/19	Mesa Substation		Photo 7 – Triangular retention basin. Photo facing north.
4/18/19	Mesa Substation		Photo 8 – Slurry pour at the southern boundary wall. Photo facing east.
4/18/19	Mesa Substation		Photo 9 – Slurry pour in the conduit trench near the 16-kV switchrack area. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
4/18/19	Mesa Substation		Photo 10 – Trench backfilling. Photo facing east.
4/18/19	Mesa Substation		Photo 11 – BMPs installed outside of the southern boundary wall. Photo facing west.
4/18/19	Mesa Substation		Photo 12 – BMPs installed outside of the southern boundary wall. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
4/18/18	Mesa Substation		Photo 13 – Erosion rill on the western slope of the Mesa Operations Building construction area.
4/18/18	Mesa Substation		Photo 14 – Wall installation work at the Mesa Operations Building. Photo facing west.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	4/20/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	4/22/19