

January 14, 2020

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

Re: Monthly Report Summary #23 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 **August 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 **August 7, 15, 22, and 27, 2019**. Site inspection reports that summarize observed construction activities and compliance events and verify mitigation measures (MMs) and applicant proposed measures (APMs) were completed for the site visits. These reports are attached below (Attachment 1).

Several compliance concerns occurred during the period from August 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 August 2019 provided a compliance summary and included a description of construction activities from August 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 August 2019 reporting period, there were no SCE self-reported compliance observations or project-related compliance incidents.

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

- On August 7, 15, 2019, the CPUC Compliance Monitor noted Russian thistle growing on both walls and at the bottom of the large detention basin and ponded water at the base of a slope in the detention basin. The CPUC Compliance Monitor recommended removing the Weeds prior to the rainy season and removing the ponded water to eliminate potential vector issues.
- On August 22, 2019, the CPUC Compliance Monitor noted a significant amount of settled sediment near the standpipe inlet at the small triangular retention basin. The CPUC Compliance Monitor recommended removing the sediment prior to the next rainy season.
- On August 27, 2019, the CPUC Compliance Monitor noted several old, broken drip pans throughout the project site. Replacing the broken drip pans was recommended.

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

Noise Compliance

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

Spills

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

Public Concerns

There were no public concerns during August 2019.

Minor Project Changes

On July 17, 2018, SCE submitted MPC Request 006 to the CPUC. A week later, on July 23, 2019, SCE submitted MPC Request 007 to the CPUC. On August 23, 2019, SCE submitted MPC Request 008 to the CPUC.

During August 2019, one Minor Project Changes (MPC) was approved (see Table 1). As of August 31, 2019, MPC 007 and MPC 008 remain under review.

Table 1: Minor Project Change Approvals for August 2019.

Description	Approval Date
MPC-06 included relocating a 16-kV conduit underground. The relocation of the 16-kV conduit described above was proposed so the project would reduce construction complexity, reduce visual congestion, enhance project safety, and potentially avoid unintentional errors.	August 9, 2019

Sincerely,

A handwritten signature in black ink, appearing to read 'Silvia Yanez', 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
August 7, 15, 22, and 27, 2019



Mesa 500–kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	August 7, 2019
Project Proponent:	Southern California Edison	Report #:	VS082
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	AM/PM Weather:	Partly cloudy, warm temperatures, and a slight breeze
E & E CM:	Silvia Yanez	Start/End Time:	0730 to 1000
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 Mesa Operations Building work, the stormwater drainpipe system, conduit installation, wall construction, and the Transmission Corridor north of Potrero Grande Drive.

DESCRIPTION OF OBSERVED ACTIVITIES (i.e., mitigation measures of particular focus or concern, construction activity, any discussions with first-party monitors or construction crews)

I arrived onsite at 0730 and I notified Project Coordinator Pete Lubich (ULM Services, Inc.). A crew was using a water truck to spray the project site roadways to minimize dust.

Upon entering, I noted that the rumble plates at the main project entry/exit still needed to be cleaned – Photo 1. I spoke to Project Coordinator Pete Lubich (ULM Services, Inc.) at the end of my site visit to address my concerns. A few days later, he sent a photo showing the cleaned rumble plates – Photo 22.

Crews continued to work on the northern retaining wall and on the northern boundary wall/fence. The concrete work on the retaining wall was complete and a crew was cleaning and removing the scaffolding – Photo 2. Brick installation was ongoing for the boundary wall/fence above the retaining wall – Photo 3.

Equipment and wire installation continued at the 220-kilovolt (kV) switchrack area – Photos 4 & 5. There was also a crew spreading gravel within the switchrack areas – Photo 6.

There were several nesting bird buffers placed within the new switchrack areas – Photo 7. Both were mourning dove nests. Onsite biologists were monitoring the nests. I spoke to biological monitors Wayne Woodroof (Noreas) and Ben Smith (ICF) about the nesting attempts. Biological monitor Matt Daniele (ICF) mentioned that an egg was laid on a metal fan covering at one of the sites, with no nesting material. The biological monitors do not expect this nesting attempt to be successful; however, they were still deciding when they would remove it.

Long cable channels were open at the switchrack areas; all had climbing structures inside and are inspected every morning for entrapped animals – Photo 8. The extra containment system remained in place within the 16-kV switchrack and appeared to be in good condition – Photo 9.

Roadway construction continued between the 66-kV switchrack area and the 220-kV switchrack area. A motorgrader and loader were digging out dirt from roadways and transporting the material to the soil stockpile area located south of the Existing Mesa Substation – Photo 11. Forms were in place for pouring the concrete curb – Photo 10.

Conduit trenches remained open and conduit vault installation continued – Photo 12. I noticed open trenches for copper grounding wire at several locations – Photo 13.

I noted a new type of drip pan placed under the manlifts within the switchrack areas – Photo 14. The size and shape of these drip pans appeared to be adequate, as they were larger and lower than most of the currently used drip pans onsite.

I traveled to the concrete washout station located near the southeastern corner of the project site and noted a crew cleaning up the area – Photo 15. I spoke to one of the crew members who mentioned they were going to reuse the plastic visqueen once the spilled concrete was cleaned. I encouraged them to use new material since the used material was in poor condition. I advised Willie Clark (Power Grade foreman) and Project Coordinator Pete Lubich (ULM Services, Inc.) of my recommendations. Pete Lubich responded that he would communicate with Power Grade. The visqueen-lined basin used for the pumping trucks needed maintenance, and concrete washouts were completed outside of the basin – Photo 16. At the end of my site visit, I noticed that this area was cleaned using new plastic.

Crews continued to install equipment and trench for conduit and copper grounding wire installation at the Mesa Operations

Building– Photos 17,18, & 19.

SCE continued to work on the tubular steel power poles (TSPs) located east of Market Place Avenue – Photo 20. Crews also continued clearing a laydown yard – Photo 21.

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

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

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

Check the concrete washout area.

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.


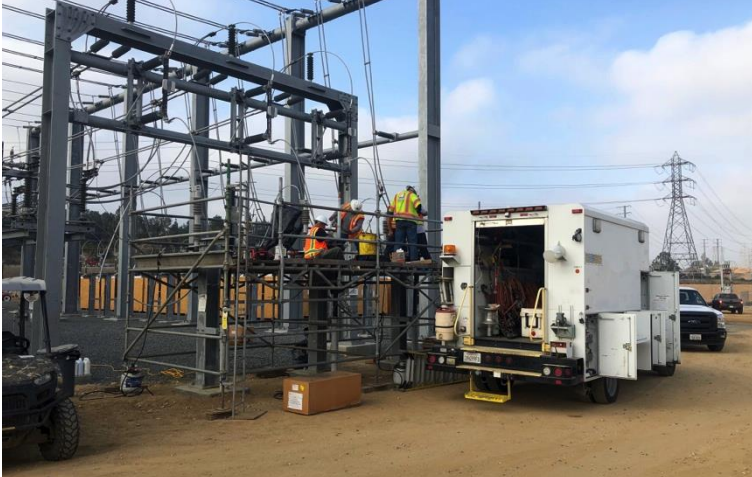

Date	Non-Compliance Issue and Resolution	Relevant Mitigation Measure	NC Report #

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



REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/07/19	Mesa Substation		Photo 1 – Main project exit/entry still needed cleaning. Photo facing south.
8/07/19	Mesa Substation		Photo 2 – Retaining wall work. Photo facing northwest.
8/07/19	Mesa Substation		Photo 3 – Brick laying for the northern wall. Photo facing northwest.




REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/07/19	Mesa Substation		Photo 4 – Wire installation in the 220-kV switchrack area. Photo facing west.
8/07/19	Mesa Substation		Photo 5 – Wire installation in the 220-kV switchrack area. Photo facing southwest.
8/07/19	Mesa Substation		Photo 6 – Wire connection work and gravel installation. Photo facing north.


REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/07/19	Mesa Substation		Photo 7 – Nesting buffer at the 66-kV switchrack area. Photo facing east.
8/07/19	Mesa Substation		Photo 8 – Concrete lined cable trench – note the climbing structures. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/07/19	Mesa Substation		Photo 9 – Containment berm within the 16-kV switchrack area. Photo facing south.
8/07/19	Mesa Substation		Photo 10 – Road work within the switchrack areas. Photo facing south.
8/07/19	Mesa Substation		Photo 11 – Road work within the switchrack areas. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/07/19	Mesa Substation		Photo 12 – Conduit work near the northern retaining wall. Photo facing west.
8/07/19	Mesa Substation		Photo 13 – Trenching work just west of the 16-kV switchrack area. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/07/19	Mesa Substation		Photo 14 – New type of drip pans used under the manlifts.
8/07/19	Mesa Substation		Photo 15 – Cleanup of the concrete washout stations. Photo facing east.
8/07/19	Mesa Substation		Photo 16 – Concrete washout basin – note the washouts completed outside of the basin. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/07/18	Mesa Substation/ Mesa Operations Building		Photo 17 – Foundation work and equipment installation inside of the eastern retaining wall. Photo facing north.
8/07/18	Mesa Substation/ Mesa Operations Building		Photo 18 – Conduit work in the northeast corner of the Mesa Operations Building. Photo facing northeast.
8/07/18	Mesa Substation/ Mesa Operations Building		Photo 19 – Trenching for grounding wire along the northern boundary wall. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/07/19	Mesa Substation		Photo 20 – Work being completed near existing power poles located east of Marketplace Avenue. Photo facing north.
8/07/19	Mesa Substation		Photo 21 – Laydown yard located at the far eastern end of the project site. Photo facing east.
8/07/19	Mesa Substation		Photo 22 – Photo sent by Pete Lubich showing the cleaned rumble plate.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	8/12/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	8/15/19



Mesa 500–kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	August 15, 2019
Project Proponent:	Southern California Edison	Report #:	VS083
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	AM/PM Weather:	Clear warm temperatures with a slight breeze
E & E CM:	Silvia Yanez	Start/End Time:	1200 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? <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 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 1200 and notified Project Coordinator Pete Lubich (ULM Services, Inc.). The rumble plates at the main project entry/exit appeared clean today. I noted three water trucks onsite; two were being used to spray the access roads and one being used for the installation of road base.

Extensive shallow trenching was being completed near the northeastern portion of the project site, between the parking area and the northern retaining wall – Photo 1. Most of this work appeared to be for the installation of copper grounding wire. A small gas-powered generator was being used for the grounding work and was well contained.

I saw biological monitor Wayne Woodroof (Noreas) onsite and we discussed the nesting birds. He mentioned that there were two active nests and he expected the chicks to fledge soon. They spent three days monitoring the mourning dove nesting attempts, where one egg was laid on a metal grate with no nesting material. Wayne Woodroof said the birds had abandoned the site after a day or two, but they waited an extra day before removing the nest buffer.

No work was being completed on the northern retaining wall or the northern boundary wall/fence. The scaffolding was removed, and the piles of concrete were cleared; a crew used a motorgrader and loader as they worked along the retaining wall – Photo 2. The operating loader was creating dust clouds. Later in the day I saw lead biological monitor Matt Daniele (ICF) and I recommended that crews use a water truck to spray the areas where the loader travels to minimize dust.

Grounding wire installation was being completed at several locations throughout the project site – Photo 3.

Roadwork continued throughout the project site, with a curb being recently poured on a section running between the switchrack areas – Photo 4. Road base was being placed over the new roadway that runs along the southern boundary wall – Photo 6. Russian thistle was still growing on both walls and at the bottom of the large detention basin – Photo 5. The ponded water remained at the base of the slope in the detention basin.

Photo 7 shows the drainage area outside of the southern wall, where the concrete-lined Caltrans channel begins. This area would need upgrades prior to the upcoming rainy season.

Equipment and wire installation continued at several locations within the new 220-kV switchrack areas – Photos 8.

Drip pan placement under parked equipment was inconsistent. Some equipment did not have drip pans placed underneath, some had inadequate placement of drip pans, and others had properly placed drip pans. The small plastic-lined catch basin did not appear to be working well – Photo 9.

The concrete washout area was clean and appeared in good condition – Photo 10.

There was extensive construction work at the Mesa Operations Building. The recontouring of the earthen slope appeared complete – Photo 11; crews continued to trench for and install conduit and copper grounding wire – Photo 12.

In the area east of Marketplace Avenue, the new temporary office trailer area was paved – Photo 13; a crew was installing fencing around the new staging area – 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)

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
8/15/19	Mesa Substation		Photo 1 – Excavation work for copper grounding wire installation. Photo facing west.
8/15/19	Mesa Substation		Photo 2 – Dirt work along the new northern retaining wall. Photo facing west.
8/15/19	Mesa Substation		Photo 3 – Open trenches for either conduit or copper grounding wire. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/15/19	Mesa Substation		Photo 4 – Roadwork within the switchrack areas. Photo facing south.
8/15/19	Mesa Substation		Photo 5 – Northeast corner of the detention basin, note Russian thistle and a wet area at the base of the slope. Photo facing south.
8/15/19	Mesa Substation		Photo 6 – Road base installation along the southern boundary fence. Photo facing west.



REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/15/19	Mesa Substation		Photo 7 – Inlet into the Caltrans concrete channel located outside of the southern boundary wall. Photo facing south.
8/15/19	Mesa Substation		Photo 8 – Wire installation at the 220-kV switchrack area. Photo facing north.
8/15/19	Mesa Substation		Photo 9 – Plastic lined drip containment basin.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/15/19	Mesa Substation		Photo 10 – Concrete washout basins were cleaned and relined with new plastic. Photo facing east.
8/15/19	Mesa Substation		Photo 11 – Mesa Operations Building entrance. Photo facing north.
8/15/19	Mesa Substation		Photo 12 – Conduit work along the northern side of the Mesa Operations Building. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/15/19	Mesa Substation		Photo 13 – New paving completed around the new office trailers. Photo facing east.
8/15/19	Mesa Substation		Photo 14 – Fence installation for the staging area located north of Marketplace Avenue. Photo facing east.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	8/19/19

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



Mesa 500–kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	August 22, 2019
Project Proponent:	Southern California Edison	Report #:	VS084
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	AM/PM Weather:	Partly cloudy with warm temperatures and a slight breeze
E & E CM:	Silvia Yanez	Start/End Time:	0745 to 1015
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 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 0745 and notified Project Coordinator Pete Lubich (ULM Services, Inc.). A water truck was being used to control dust on the project access roads.

Construction crews were forming and pouring protective barriers around the newly installed equipment at the Senior Mechanical Electrical Equipment Room (MEER) – Photo 1. The support equipment, including a nearby gas-powered generator, was well contained in a black plastic basin.

A small amount of work on the northern wall was being completed above the retaining wall – Photo 2. A significant amount of brick installation continued, and the mortar mixing station was still in use – Photo 4. Road grading was completed along the base of the retaining wall – Photo 3.

Road grading was being completed between the 16-kilovolt (kV) and 66-kV switchrack areas – Photo 5.

I traveled to the small triangular retention basin located at the western end of the project site and I noted that the captured sediment had filled up the basin very close to the standpipe inlet – Photo 6. This material needed to be dug out of this basin before the next rainy season.

Asphalt was being poured in the graded roadway running along the southern side of the project site – Photo 7. The trucks bringing asphalt into the project site entered and exited through the new East Markland Drive entrance. There were no exit/entry best management practices (BMPs) at this location, and I noticed mud trackout onto the public roadway – Photo 8. I contacted Project Coordinator Pete Lubich (ULM Services, Inc.) to notify him of the mud trackout.

Equipment and wire installation continued at several locations within the new 220-kV switchrack area – Photo 9.

A crew was working near the gate along the southern roadway – Photo 10. I noticed a gas can was not well contained.

I walked through the equipment parking area and noted the following broken and flipped over drip pans – Photo 11; spilled oil from drip pans – Photo 12; and parked equipment without any drip pans – Photo 13. As I was inspecting this area, safety lead Craig Pernot from Power Grade, arrived to clean the oil spill. I spoke to Project Coordinator Pete Lubich (ULM Services, Inc.) and biological monitor Matt Daniele (ICF) about the drip pan issues throughout the project site.

A crew was shifting the eastern entrance coming in from Market Place Drive to the old entrance located to the south – Photo 14. They moved the rumble plates and were going to move the rock.

Substantial groundwork was being completed around the Mesa Operations Building, including: exposing conduit – Photo 15; and ongoing copper wire grounding work – Photo 16.

In the area east of Market Place Drive, the fencing was installed around the staging area. Crews were spreading gravel over that area – 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)

Drip pan upgrades and proper installation.

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

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

A pair of adult red-tailed hawks and two juvenile hawks were observed on the grassland slope south of Highway 60.

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
8/22/19	Mesa Substation		<p>Photo 1 – Concrete pour around protection barriers was being completed near the Senior MEER – note the gas generator is well contained. Photo facing east.</p>
8/22/19	Mesa Substation		<p>Photo 2 – A two-person crew working above the northern retaining wall. Photo facing north.</p>
8/22/19	Mesa Substation		<p>Photo 3 – Road grading was completed along the base of the northern retaining wall. Photo facing west.</p>



REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/22/19	Mesa Substation		Photo 4 – The mortar mixing station near the northern wall. Photo facing west.
8/22/19	Mesa Substation		Photo 5 – Road grading work being completed between the 16-kV and 66-kV switchrack areas. Photo facing south.
8/22/19	Mesa Substation		Photo 6 – Triangular retention basin was nearly filled with sediment. Photo facing north.



REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/22/19	Mesa Substation		<p>Photo 7 – Paving being completed along the southern boundary fence. Photo facing west.</p>
8/22/19	Mesa Substation		<p>Photo 8 – Trucks entering and exiting via East Markland Drive – note the mud track out onto the public road. Photo facing west.</p>
8/22/19	Mesa Substation		<p>Photo 9 – Wire installation in the 220-kV switchrack area. Photo facing southwest.</p>




REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/22/19	Mesa Substation		<p>Photo 10 – Crew working along the southern boundary wall without a drip pan under the gas generator. The gas can is also not contained. Photo facing west.</p>
8/22/19	Mesa Substation		<p>Photo 11 – Broken and overturned drip pans. Photo facing east.</p>


REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/22/19	Mesa Substation	 A black plastic drip pan is shown on a dirt surface. The pan contains a dark, thick, spilled substance, likely oil or hydraulic fluid. The surrounding ground is dry and dusty, with some tire tracks visible.	Photo 12 – Spilled drip pan.
8/22/19	Mesa Substation	 A view from underneath a piece of yellow tracked equipment. The equipment's undercarriage and tracks are visible. There is no drip pan or collection tray present under the equipment.	Photo 13 – No drip pan under this equipment. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/22/19	Mesa Substation		<p>Photo 14 – Eastern entrance being transferred to the old entry location, located south. Photo facing east.</p>
8/22/19	Mesa Substation		<p>Photo 15 – Earth work being completed exposing conduit near the Mesa Operations Building. Photo facing north.</p>
8/22/19	Mesa Substation		<p>Photo 16 – Copper cable installation along the Mesa Operations Building. Photo facing south.</p>

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/22/19	Mesa Substation		Photo 17 – Fencing installed, and gravel being poured within the staging area east of Marketplace Drive. Photo facing east.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	8/26/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	8/26/19



Mesa 500–kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	August 27, 2019
Project Proponent:	Southern California Edison	Report #:	VS085
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	AM/PM Weather:	Hazy sunshine and warm temperatures with a slight breeze
E & E CM:	Silvia Yanez	Start/End Time:	0700 to 1030
Project NTP(s):	NTP-1, NTP-2		

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

Worker Environmental Awareness Program (WEAP) Training	Yes	No	N/A
Is the WEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (BMPs) been installed?	X		
Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, dirt piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 mph on unpaved roads? <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 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 0700 for a meeting with SCE, construction representatives, CPUC project manager Connie Chen, and Ecology and Environment, Inc. (E & E) Project Managers Silvia Yanez, and Fernando Guzman. The meeting was followed by a quick site visit.

Water trucks were being used to spray the project access roads for dust control. I noted that biological monitors Matt Daniele (ICF) and Wayne Woodroof (Noreas) were onsite. I briefly spoke with Matt Daniele about the project; he confirmed that there were no active nests in and around the site.

Construction crews continued to dig, install, and pour concrete around protective barriers surrounding the equipment outside of the Senior Mechanical Electrical Equipment Room (MEER) building – Photo 1. Our group toured the inside of the Senior MEER building.

Construction work continued at the northern boundary wall, primarily brick installation – Photo 2.

Equipment installation and wire connection continued at several locations within the new 220-kilovolt (kV) switchrack area – Photos 3.

Roadwork was being completed throughout the project site, including the installation of road base – Photo 4 – and asphalt paving.

New drip pans (i.e., “kiddie” pools) were placed underneath the parked equipment – Photo 5. Old and damaged drip pans were still noted throughout the project site.

Additional rock should be added to the Market Place Drive entry/exit, just past the rumble plates, where vehicles turn into the project site – Photo 6.

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

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

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

Drip pan upgrades and proper installation.

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

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

COMPLIANCE SUMMARY




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

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- 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
8/27/19	Mesa Substation		Photo 1 – Work outside of the Senior MEER building. Photo facing southeast.
8/27/19	Mesa Substation		Photo 2 – Brick installation continued at the northern boundary wall. Photo facing east.
8/27/19	Mesa Substation		Photo 3 – Wire installation in the 220-kV switchrack area. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/27/19	Mesa Substation		Photo 4 – Road base installation being completed between the 16-kV and 66-kV switchrack areas. Photo facing south.
8/27/19	Mesa Substation		Photo 5 – New kiddie pool drip pans installed under some of the parked heavy equipment.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
8/27/19	Mesa Substation		<p>Photo 6 – The Marketplace Drive entry/exit needs more rock past the rumble plate, where project vehicles turn north to enter the project site. Photo facing north.</p>

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	8/29/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	8/28/19