ecology and environment, inc.
Member of WSP

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January 17, 2020

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

Re: Monthly Report Summary #27 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 **December 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 **December 4, 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 December 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 December 2019 provided a compliance summary and included a description of construction activities from December 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 December 2019 reporting period, SCE self-reported one project-related compliance incident. The compliance incident is described below.

- On December 10, 2019, the contractor had dirt delivered to their yard area without prior consent or approval of the import. Specifically, **Mitigation Measure HZ-4** requires, in part, that the project "minimize risk to the public and to the environment resulting from exposure to and disturbance of contaminated soils". All import soil is required to be tested prior to staging or use on site, to ensure it is not contaminated, which did not happen in this instance. The dirt was immediately removed the same day.

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

- On December 4, 11, and 18, 2019, the CPUC Compliance Monitor noted that BMPs needed upgrading in the main exit/entry location located in the eastern are of the project site. The CPUC Compliance Monitor recommended the need to reposition the rumble plates and installing additional rock.
- On December 11, 2019, the CPUC Compliance Monitor noted the site received rain over the weekend and the earthen portions of the project site were muddy. The BMPs placed along the outside of the southern boundary wall were overwhelmed from the stormwater runoff. The CPUC Compliance Monitor recommended upgrading the BMPs and cleaning the surrounding sediment.
- On December 18, 2019, the CPUC Compliance Monitor noted that crews unsuccessfully attempted to seal the pipe with filter fabric, plastic, and gravel bags. A new methodology for sealing the pipe was recommended. Personnel onsite were notified and the CPUC Compliance Monitor advised to complete this prior to the following anticipated storm event.

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

Noise Compliance

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

Spills

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

Public Concerns

There were no public concerns during December 2019.

Minor Project Changes

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

Sincerely,

Silvia Yanez
Project Manager, Ecology and Environment, Inc.
cc:
Lori Rangel, SCE
Don Dow, SCE

ATTACHMENT 1

CPUC Site Inspection Reports
December 4, 11, and 18, 2019

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	December 4, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS098
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Light rain and cool temperatures with a light breeze
E & E CM:	Silvia Yanez	**Start/End Time:**	1430 to 1600
Project NTP(s):	NTP-1, NTP-2		

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

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

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

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

The Mesa Substation work, the Mesa Operations Building work, the stormwater drainpipe system, conduit installation, wall construction, and the Transmission Corridor north of Potrero Grande Drive.

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

I arrived onsite at 1430 and notified Project Coordinator Pete Lubich (ULM Services, Inc.) who sent Alec Fera (ULM Services, Inc.) to accompany me on my site visit. The biological monitors onsite were Matt Daniele (ICF), Wayne Woodroof (Noreas) and Ben Smith (ICF). Construction work onsite was limited due to the rain.

It rained overnight and throughout the day. According to Stormwater Pollution Prevention Plan (SWPPP) inspector Roberto Morales, the site received 0.7 inch of rain. I asked him about the rainfall totals over the Thanksgiving holiday and he was only able to provide the total from November 27, 2019, which was 0.5 inch. He mentioned that safety issues prevented him from obtaining other rainfall totals during the holiday weekend.

A significant amount of water was entering the large detention basin through the plastic-lined chute – Photo 1. It filled the eastern portion of the detention basin and was pouring over into the western half of the basin – Photo 2. The entire basin appeared to be about half full.

The small "triangular" retention basin appeared full – Photo 3. All hoses and plastic were in place to pump the water into the large detention basin.

Rainwater runoff was flowing onto and through the project site from several locations. The water from the southeastern portion of the project site flowed past the Environmentally Sensitive Area (ESA) through the material staging area and the equipment parking spots. The runoff exited the project site toward the south of the southern boundary wall – Photo 4. Since my previous site visit, best management practices (BMPs) were upgraded along the wall to capture sediment before the runoff enters the drain inlet and flows offsite – Photo 5. These BMPs captured some mud – Photos 6, 7, & 8 – but it was evident that the amount of water coming through this area overwhelmed them, running under and over the wattles – Photo 9 – and rupturing the gravel bag check dams – Photo 10.

A significant amount of runoff was coming down the concrete channel along the south side of the Existing Mesa Substation – Photo 11. The crews cut and lined a small channel so water would flow through and into the project site – Photo 12. The water appeared relatively clear as it ran down the site and into a storm drain, and eventually in the large detention basin.

The concrete channel along the east and north sides of the Existing Mesa Substation was full, and construction crews cut a channel to direct water through the northern portion of the project site until it entered the storm drain system – Photo 13.

According to SWPPP inspector Alec Fera, the eastern entrance of the project site was the main exit/entry location – Photo 14. We discussed the need to upgrade the BMPs at this location, with a focus on repositioning the rumble plates and installing additional rock.

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 installation and BMP upgrades and maintenance.

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

An additional catch basin was suggested for the runoff from the southeastern portion of the project.

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.

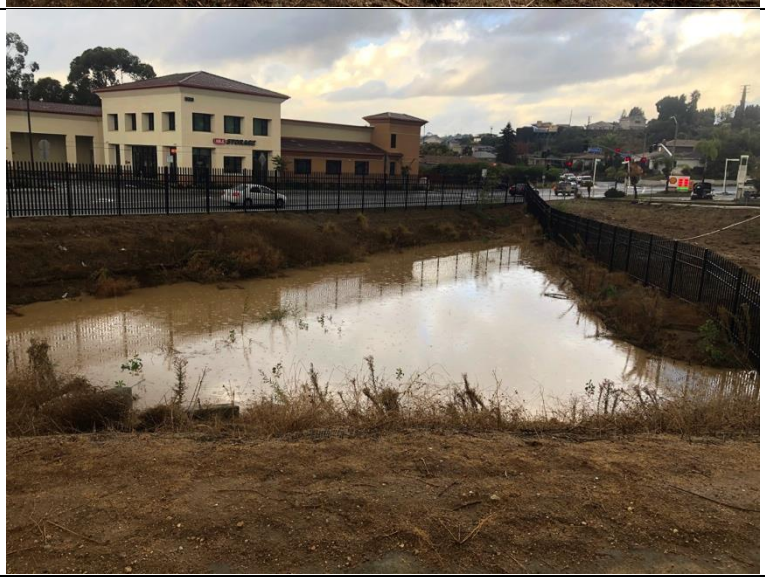
☐ Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing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

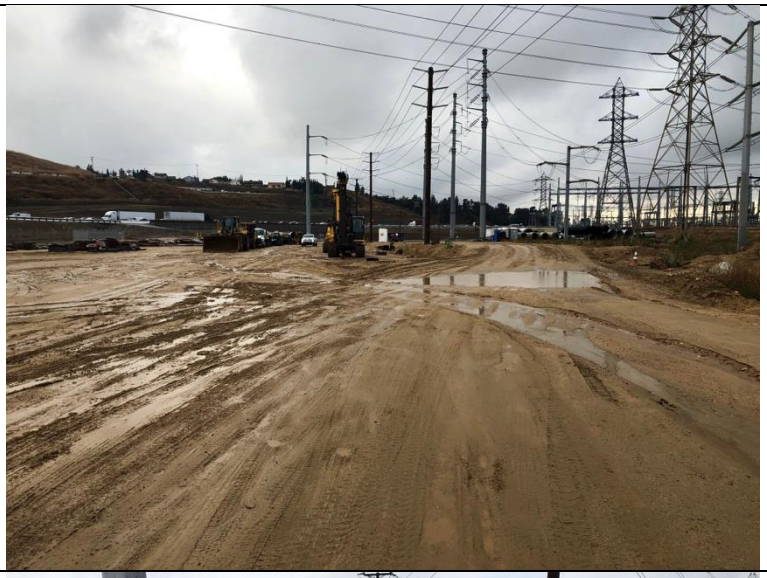
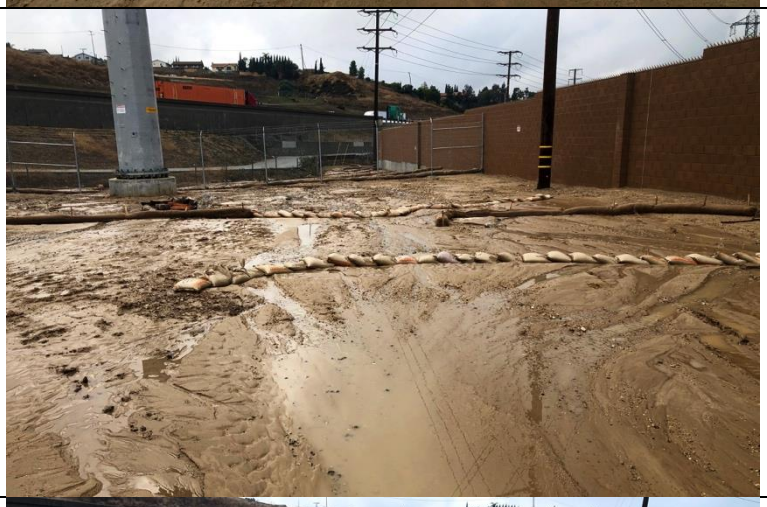
☐ Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes,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

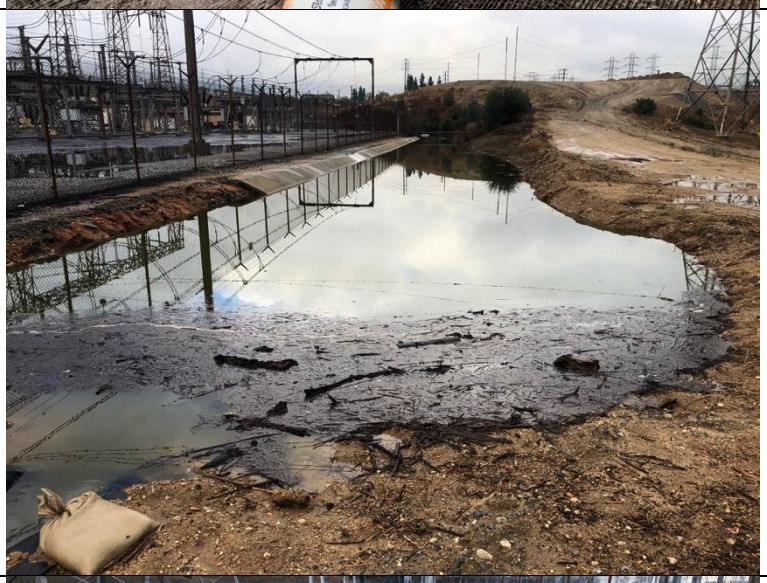
Date	Non-Compliance Issue and Resolution	Relevant Mitigation Measure	NC Report #

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

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
12/04/19	Mesa Substation		Photo 1 – Large detention basin. Photo facing southwest.
12/04/19	Mesa Substation		Photo 2 – The large detention basin. Photo facing southeast.
12/04/19	Mesa Substation		Photo 3 – Small triangular retention basin. Photo facing northwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
12/04/19	Mesa Substation		Photo 4 – Southeastern portion of the project, water from here drains to the outside of the southern boundary wall. Photo facing west.
12/04/19	Mesa Substation		Photo 5 – Upgraded BMPs outside of the southern boundary wall. Photo facing southwest.
12/04/19	Mesa Substation		Photo 6 – Upgraded BMPs outside of the southern boundary wall. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
12/04/19	Mesa Substation		Photo 7 – Upgraded BMPs outside of the southern boundary wall. Photo facing southwest.
12/04/19	Mesa Substation		Photo 8 – Upgraded BMPs outside of the southern boundary wall. Photo facing southwest.
12/04/19	Mesa Substation		Photo 9 – Straw wattle outside of the southern boundary wall, showing where rainwater runoff went over and under the wattle. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
12/04/19	Mesa Substation		Photo 10 – Upgraded BMPs outside of the southern boundary wall, note the blown-out gravel bag check dams. Photo facing southwest.
12/04/19	Mesa Substation		Photo 11 – Rainwater runoff coming from the Existing Mesa Substation. Photo facing east.
12/04/19	Mesa Substation		Photo 12 – Plastic lined channel draining the ponded runoff that is shown in photo 11. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
12/04/19	Mesa Substation		Photo 13 – Channel draining the concrete lined culvert located along the eastern and northern side of the Existing Mesa Substation. Photo facing northeast.
12/04/19	Mesa Substation		Photo 14 – Entry/exit BMPs at the eastern entrance to the project. Photo facing south.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	12/08/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	12/09/19

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	December 11, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS099
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Hazy sunshine, mild temperatures, and a light breeze
E & E CM:	Silvia Yanez	**Start/End Time:**	1300 to 1500
Project NTP(s):	NTP-1, NTP-2		

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

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

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

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

The Mesa Substation work, the Mesa Operations Building work, the stormwater drainpipe system, conduit installation, wall construction, and the Transmission Corridor north of Potrero Grande Drive.

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

I arrived onsite at 1300 and notified Project Coordinator Pete Lubich (ULM Services, Inc.) and he accompanied me on my site visit. Biological monitors onsite included lead coordinator Matt Daniele (ICF), Wayne Woodroof (Noreas), and Ben Smith (ICF).

We entered through the eastern entrance; however, the exit/entry best management practices (BMPs) needed additional rock, which I recommended.

The site received rain over the weekend, and the earthen portions of the project site were muddy – Photos 1 & 2. Rainwater runoff flowed through these areas and encountered the BMPs placed along the outside of the southern boundary wall – Photos 3 & 4. Some minor upgrades to the BMPs were noted; however, the sediment-laden water overtopped the BMPs and reached the drain inlet. As mentioned previously, the drain inlet leads to drainpipes and channels.

The concrete channel draining the southern portion of the Existing Mesa Substation remained full – Photo 5.

Several weeks ago, the large detention basin was divided into two basins: an eastern basin and a western basin. Storm water runoff from the project site drained into the eastern portion of the basin. Once this filled, it poured over the earthen berm into the western portion of the basin. The western portion had the outflow culvert; recently, crews attempted to seal the culvert. As of last week, there remained a significant amount of water in both basins. During my site visit, the eastern basin was still full – Photo 6 – and most of the water had drained into the western basin – Photo 7.

The small "triangular" retention basin was pumped into the western portion of the large detention basin – Photo 8. The pump was left within the small basin and placed in a plastic-lined containment system.

Some equipment remained onsite near the detention basin for pulling wire – Photo 9.

A crew was working on assembling the large substation equipment near the 66-kilovolt (kV) switchrack area – Photo 10.

At the Mesa Operations Building, construction crews were installing sidewalks around the building – Photo 11. Drainage from this site entered drain inlets that deposit water into the concrete channel that runs along the eastern and northern sides of the Existing Mesa Substation – Photo 12. This water eventually flows along the northern area of the project site before entering the storm drain system and the large detention basin.

The staging area near the project trailers appeared to be well maintained– Photo 13.

I inspected two segments of the Transmission Corridor located north of Potrero Grande Drive; both areas seem to be holding up well and are keeping sediments onsite – Photo 14. Mud was accumulating near the road culvert below the central portion of the Transmission Corridor – Photo 15.

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 installation, BMP upgrades, and maintenance.

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

An additional catch basin was suggested for the runoff flowing from the southeastern portion of the project site.
The culvert in the large detention basin may need to be re-sealed.

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.

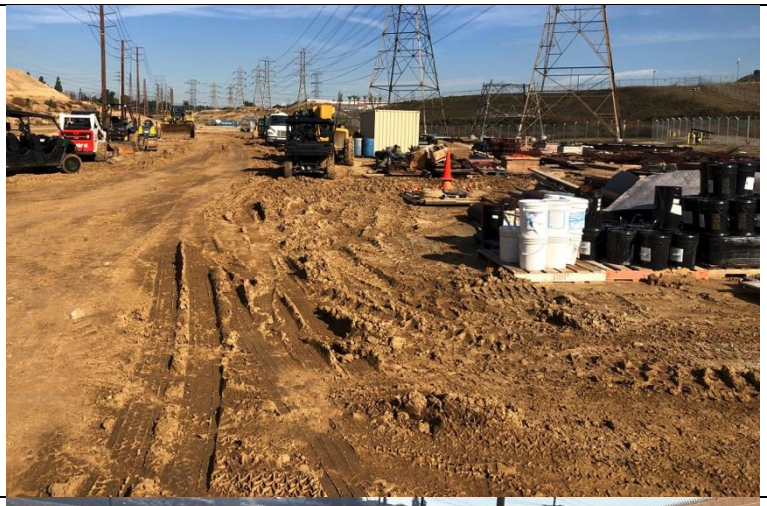
☐ Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing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

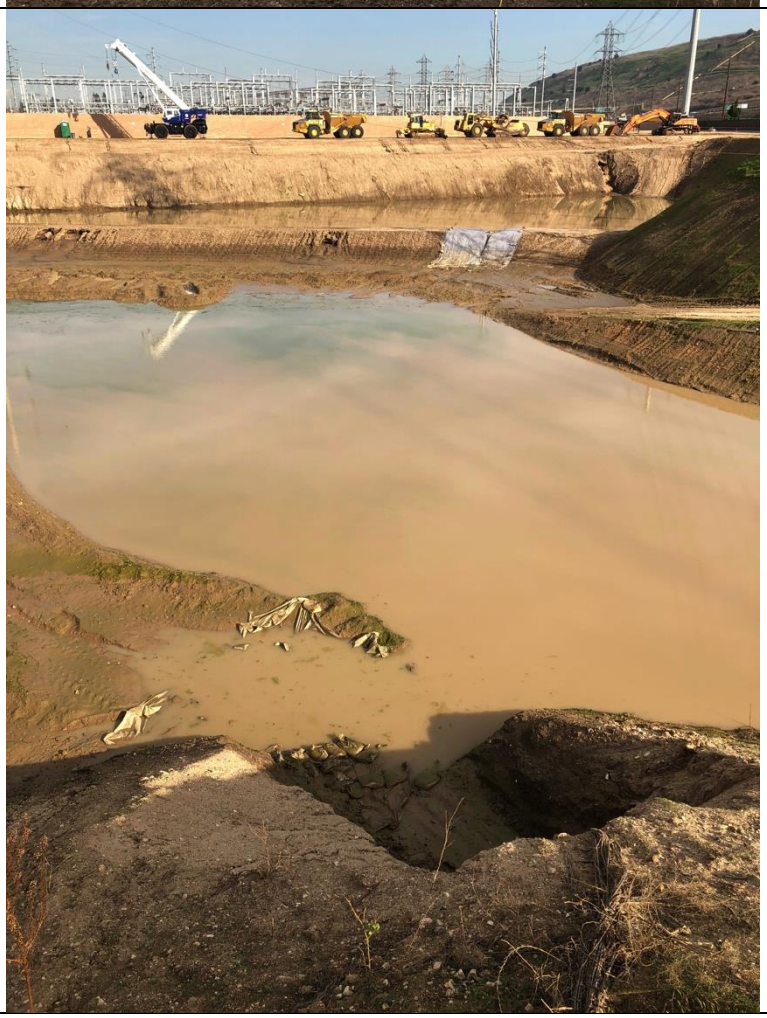
☐ Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

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

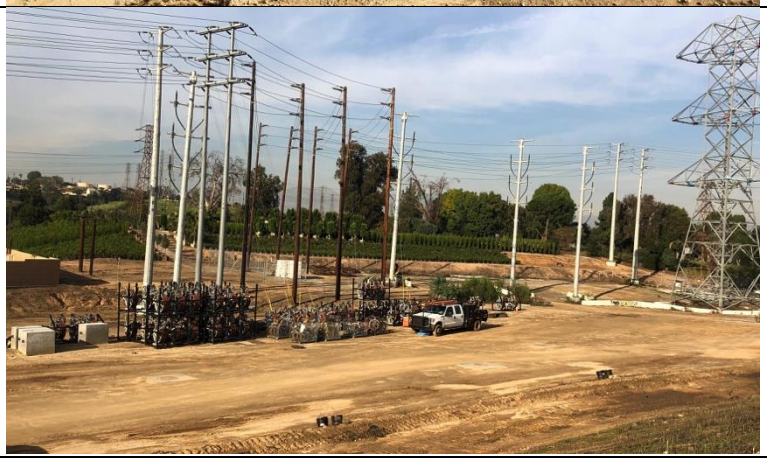
PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

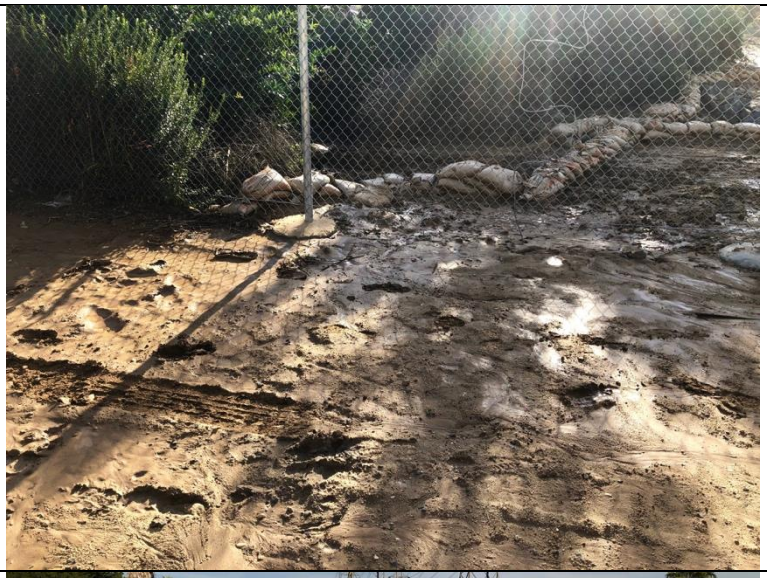
REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
12/11/19	Mesa Substation		Photo 1 – Muddy staging and equipment parking area. Photo facing east.
12/11/19	Mesa Substation		Photo 2 – Muddy portion of the site near the southern boundary wall. Photo facing southwest.
12/11/19	Mesa Substation		Photo 3 – BMPs along the outside of the southern boundary wall. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
12/11/19	Mesa Substation		Photo 4 – BMPs along the outside of the southern boundary wall. Photo facing east.
12/11/19	Mesa Substation		Photo 5 – Rainwater runoff from the Existing Mesa Substation. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
12/11/19	Mesa Substation		Photo 6 – Ponded water inside of the large detention basin. Photo facing north.
12/11/19	Mesa Substation		Photo 7 – Accumulated water inside of the large detention basin. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
12/11/19	Mesa Substation		Photo 8 – Small triangular retention basin. Photo facing west.
12/11/19	Mesa Substation		Photo 9 – Wire pulling equipment. Photo facing east.
12/11/19	Mesa Substation		Photo 10 - Substation equipment being installed near the 66-kV switchrack area. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
12/11/19	Mesa Substation		Photo 11 – Sidewalk construction around the Mesa Operations Building. Photo facing south.
12/11/19	Mesa Substation		Photo 12 – Drain inlet northwest of the Mesa Operations Building. Photo facing south.
12/11/19	Mesa Substation		Photo 13 – Staging area at the eastern end of the project site. Photo facing northeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
12/11/19	Mesa Substation		Photo 14 – BMPs and sediment from the transmission Corridor located north of Potrero Grande Drive.
12/11/19	Mesa Substation		Photo 15 – BMPs within the Transmission Corridor located east of Potrero Grande Drive. Photo facing east.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	12/13/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	12/15/19

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	December 18, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS100
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Hazy sunshine, mild temperatures, and a light breeze
E & E CM:	Silvia Yanez	**Start/End Time:**	1400 to 1530
Project NTP(s):	NTP-1, NTP-2		

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

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

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

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

The Mesa Substation work, the Mesa Operations Building work, the stormwater drainpipe system, conduit installation, wall construction, and the Transmission Corridor north of Potrero Grande Drive.

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

I arrived onsite at 1400 and notified Project Coordinator Pete Lubich (ULM Services, Inc.). I changed into my fire retardant (FR) personal protective equipment (PPE) and met with biological monitor Matt Daniele (ICF) and Power Grade foreman Craig Pernot. Prior to entering the project site, the three of us discussed the secondary containment effort under the construction equipment. This was of great concern for me and Matt Daniele, since the current containment measures were inadequate – Photo 6. Craig Pernot showed us a website that featured larger drip pans that could be snapped together to customize their size. Craig Pernot said they would implement these drip pans soon.

We entered through the eastern project entrance and I noted that additional rock needed to be placed at the exit/entry best management practices (BMPs) – Photo 1. I had notified personnel about this issue during my previous site visit.

A crew was working on the BMPs along the outside of the southern boundary wall – Photo 2. Crews were digging out the sediment trapped behind the wattles; there appeared to be little upgrades implemented in this area.

The reconfigured large detention basin had the two catch basins – Photo 3. The eastern basin was full, while the western basin had drained out leaving an area of ponded water that was below the level of the outfall pipe – Photo 4. I walked down to the outfall pipe with Power Grade foreman Craig Pernot and another foreman from Power Grade – Photo 5. Craig Pernot mentioned that crews attempted to seal the pipe with filter fabric, plastic, and gravel bags. However, water was still draining. They were planning to seal the pipe inlet soon, as several storms were predicted over the holiday week.

A construction crew was pulling wire. I noted several pieces of equipment being used near the detention basin – Photo 7. Another crew was installing tubular steel poles (TSPs) along the paved access road near the 66-kilovolt (kV) switchrack area – Photo 8.

A landscaping crew was working around the Mesa Operations Building. There were several construction activities occurring outside of the eastern boundary wall – Photo 9. In addition, mulch piles were delivered to the impacted area located along the building access road – Photo 10.

Regrading and hydro-mulching was being completed along the Transmission Corridor located north of Potrero Grande Drive – Photo 11.

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 installation, BMP upgrades, and maintenance.

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

An additional catch basin was suggested for capturing runoff from the southeastern portion of the project site.
The culvert in the large detention basin may need to be resealed.

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.

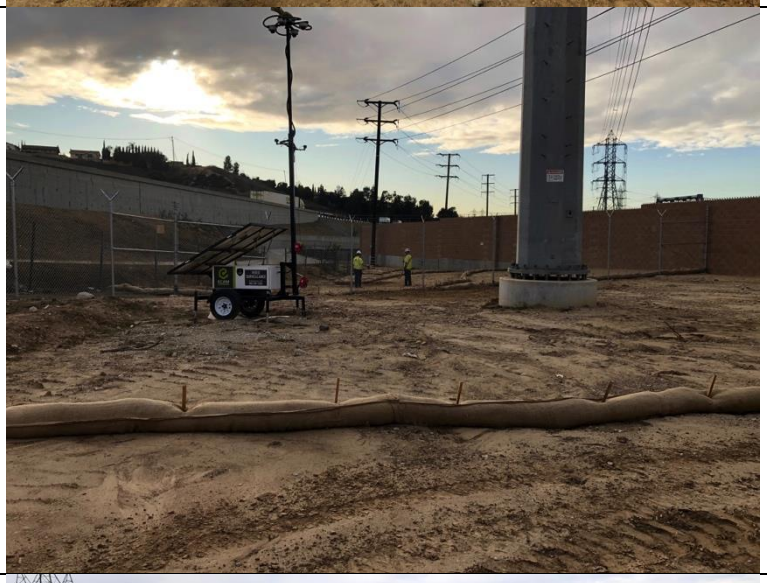
☐ Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing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

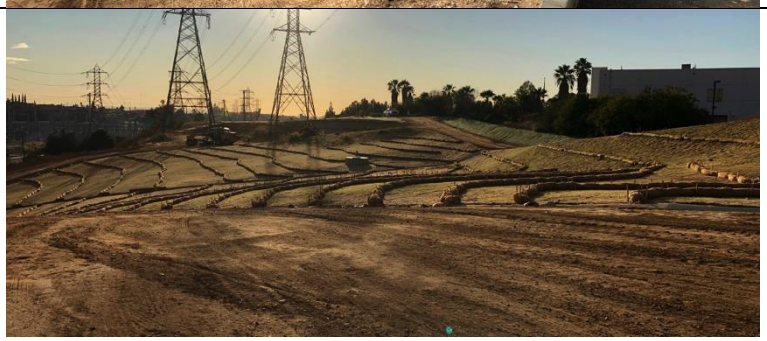
Date	Non-Compliance Issue and Resolution	Relevant Mitigation Measure	NC Report #

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

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
12/18/19	Mesa Substation		Photo 1 – Exit/entry BMPs at the eastern entrance, Additional rock was needed. Photo facing north.
12/18/19	Mesa Substation		Photo 2 – BMP maintenance being completed outside of the southern boundary wall. Photo facing southwest.
12/18/19	Mesa Substation		Photo 3 – Large pond in the detention basin. Photo facing northwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
12/18/19	Mesa Substation		Photo 4 – Ponded water in the western portion of the large detention basin. Photo facing northwest.
12/18/19	Mesa Substation		Photo 5 – Drain inlet at the large detention basin.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
12/18/19	Mesa Substation		Photo 6 – Secondary containment under a large excavator.
12/18/19	Mesa Substation		Photo 7 – Wire pulling equipment. Photo facing east.
12/18/19	Mesa Substation		Photo 8 – Tower installation. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
12/18/19	Mesa Substation		Photo 9 – Landscaping work being completed directly outside of the eastern boundary wall. Photo facing north.
12/18/19	Mesa Substation		Photo 10 – Mulch delivered into the area where the construction trailers were parked for the Mesa Operations Building. Photo facing north.
12/18/19	Mesa Substation		Photo 11 – BMP work within the Transmission Corridor, located east of Potrero Grande Drive. Photo facing west.

Completed by:	Vince Semonsen
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Date:	12/27/19