February 23, 2021

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

Re: Monthly Report Summary #28 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 **January 1 to 31, 2020**, 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 WSP USA Inc. (WSP), formerly Ecology and Environment, Inc., 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 **January 2, 9, 17, 22, and 29, 2020**. 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 January 1 to 31, 2020; 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/WSP 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/WSP and SCE, along with daily schedule updates and automated

WSP USA
425 MARKET STREET
17TH FLOOR
SAN FRANCISCO, CA 94105

Tel.: 415-398-5326
wsp.com

database notifications from SCE, provided additional compliance information and construction summaries. Furthermore, SCE's monthly compliance status report for January 2020 provided a compliance summary and included a description of construction activities from January 1 to 31, 2020, 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 January 2020 reporting period, SCE self-reported two non-project-related compliance incidents and two project related compliance incident. The compliance incidents are described below.

- On January 14, 2020, the biologist observed a SCE maintenance crew trimming and mowing vegetation north of Saturn Road and north of Potrero Grande Drive. The incident was observed in the Mesa Substation footprint within ruderal vegetation. The area affected was surveyed and was partially inside approved disturbance limits. This incident conflicts with **MM BR-9: Construction Monitoring.**
- On January 15, 2020, the biologist observed several fluid stains on the asphalt below numerous vehicles parked along the asphalt access road north of the 220-kV switchrack inside the Mesa Substation. Upon further investigation, it appeared that some of the stains were from fuel, some from water, and some from hydraulic fluid. Some of the stains did not line up with any overhead components that could leak fluid, indicating they were from previously parked vehicles. Some lined up with overhead components that appeared to have been the source of the stain. Drip pans were existing under the vehicles, but not under the areas discussed in this observation. The incident was observed along a span of the asphalt road adjacent to the north block wall of the Mesa Substation and was not within any listed species habitat. The area affected was surveyed and was completely within approved disturbance limits, with no further impacts visible. This incident conflicts with **SAA AMM 2.35 Hazardous Substances**. The contractor was made aware of the material on the asphalt under the equipment stage northwest of the 220-kV switchrack. The material was immediately cleaned up and a spill report was created.
- On January 20, 2020, the biologist observed an SCE crew installing potheads and working in a vault near the 66-kV switchrack without a biological clearance sweep or monitor. The incident was observed in the Mesa Substation footprint and was not within any listed species habitat. The area affected was surveyed and was inside approved disturbance limits. This incident conflicts with **MM BR-9: Construction Monitoring**. SCE reminded crews of the relocation request process for work not on the previous night's Plan of Day (POD).
- On January 29, 2020, the biologist observed a non-project-related OII employee associated with the landfill sampling groundwater monitoring wells within the coastal sage scrub Environmentally Sensitive Area (ESA; Restricted Use Area). The incident was observed in the Mesa Substation footprint within coastal sage scrub California gnatcatcher-listed habitat. The area affected was surveyed and was partially inside approved disturbance limits. This incident conflicts with **MM BR-9: Construction Monitoring**.

During the January 2020 reporting period, the CPUC Compliance Monitor reported the following compliance concerns:

- On January 2, 2020, the CPUC Compliance Monitor noted that best management practices (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 January 2, 2020, 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 January 17, 2020, the CPUC Compliance Monitor noted that crews were not utilizing the entry/exit BMPs at the northern project entrance for construction equipment. It is important for crews to utilize the entry/exit BMPs to avoid trackout.

During the January 2020 reporting period, the CPUC did not issue a Non-Compliance Report.

Noise Compliance

No noise exceedances occurred during the January 2020 reporting period.

Spills

During the January 2020 reporting period, two spills were documented.

- The first documented spill occurred along the paved road within the expansion area along Potrero Grande (located under staged equipment). A wire boat had a minor hydraulic leak from the steering ram on the driver's side and the three-drum puller had a minor transmission fluid leak from the differential drain plug seal (drip pans were not placed under the two locations). Approximately 1 ounce of hydraulic fluid and 1 ounce of transmission fluid spilled onto the asphalt. The fluids were removed with absorbent powder and wiped up with absorbent pads; contaminated materials were placed into a 55-gallon drum within the remote consolidation center until further processed at an SCE-approved facility. SCE was notified of the spill.
- On January 31, 2020, a spill occurred north of Potrero Grande. While up in the air, a 95-foot bucket truck experienced a hydraulic line failure located in the knuckle between the lower and middle sections of the boom. The operator immediately shut down the equipment, was removed from the man basket, and the bucket was manually brought to the ground. Approximately 1 gallon of hydraulic fluid spilled on the soil. Drip pans were placed under draining fluids, visqueen was laid out under the equipment, and absorbent pads were used to clean up as much of the hydraulic fluid as possible. Due to the nature of the leak and the equipment being staged over jute netting, complete spill cleanup operations could not be completed. Once the equipment is repaired and removed, removal of contaminated soils will be completed. Contaminated materials will be placed into a 55-gallon drum within the remote consolidation center until further processed at an SCE-approved facility. SCE was notified of the spill. The equipment was repaired and all contaminated materials were removed and consolidated.

Public Concerns

No public concerns were reported during January 2020.

Minor Project Changes

No email or Minor Project Change approvals occurred during January 2020.

Sincerely,

Silvia Yanez
Project Manager, WSP USA Inc.
cc:
Lori Rangel, SCE
Don Dow, SCE

ATTACHMENT 1

CPUC Site Inspection Reports

January 2, 9, 17, 22, and 29, 2020

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	January 2, 2020
Project Proponent:	Southern California Edison (SCE)	**Report #:**	VS101
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Mild with hazy sunshine and a slight breeze
WSP CM:	Silvia Yanez	**Start/End time:**	0800 – 1000 hours
Project NTP(s):	Notice to Proceed (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 (Best Management Practices [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 Storm Water Pollution Prevention Plan (SWPPP)?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, soil 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 miles per hour 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 drainage pipe system, conduit installation, wall construction, and the Transmission Corridor north of Potrero Grande Drive.

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

I arrived onsite at 0800 hours and notified Pete Lubich. I changed into my FR personal protective equipment (PPE) and met with Duane Cave (Mr. Lubich's second in command). Mr. Woodroof accompanied me on my site inspection.

We stopped at the project entrance and observed the exit/entry BMPs. This is the main entrance to the site and no upgrades have been made to the rock and rumble plate BMPs since the start of the rainy season. I had printed out a graphic indicating how the exit/entry BMPs should appear and provided it to Duane. Basically, the addition of larger rock needs to be extended further beyond the rumble plates.

Work has been limited because of the holidays and the rainy weather. According to SWPPP Inspector Roberto Morales, the site received 1.3 inches of rain over the Christmas holiday.

Driving in along the southern side of the project site, through the equipment parking area, I noted a dry flow line where stormwater had run down toward the outside of the southern boundary wall (Photo 1). I checked the BMPs outside of the wall where muddy sediment had filled in and overtopped all of the wattles (Photo 2). The runoff also blew out all of the gravel check dams (Photo 3). All of the runoff coming down through this area leaves the site via the California Department of Transportation concrete channel.

Stormwater runoff coming off of the existing substation (Photo 4) flowed across the project site entering the concrete "V" ditch inside of the southern boundary fence (Photo 5). Some mud and rock dropped out behind gravel bags but much of the sediment flowed west, plugging up the two drain inlets (Photos 6 and 7). This runoff eventually flowed into the small triangular catch basin (Photo 8). In Photo 8, the gravel and sediment that dropped out around the basin's exit standpipe is visible. Muddy water leaving this basin enters the public storm drain system.

The large retention basin was nearly half full of water, indicating that the outlet drainage pipe has been adequately sealed (Photo 9). I asked Duane if he knew how they sealed the pipe, but he was unaware of the techniques used by Power Grade.

Secondary containment under the construction equipment remains tremendously inadequate (Photo 10). Equipment leaks were noted where some equipment was parked on the asphalt road (Photo 11).

A small SCE crew was working within some vaults near the 16-kV and 66-kV rack areas (Photo 12).

A landscaping crew continued work in and around the Mesa Operations Building (Photos 13 and 14).

The BMPs appear to have held up well in the area along the Transmission Corridor north of Potrero Grande Drive (Photo 15).

MITIGATION MEASURES VERIFIED (Refer to Mitigation Monitoring, Compliance, and Reporting Program, e.g., MM BR-9. Report only on MMs pertinent to your observations today)

All project personnel appear to have been WEAP trained (MM BR-5).

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 is suggested for the runoff coming off of 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 WSP Compliance Manager. Inform WSP 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 applicant proposed measures, 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.

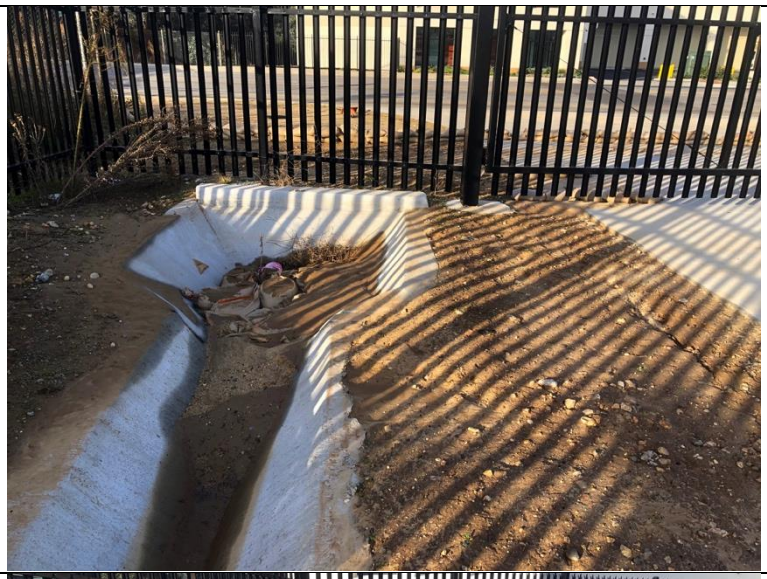
☐ Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

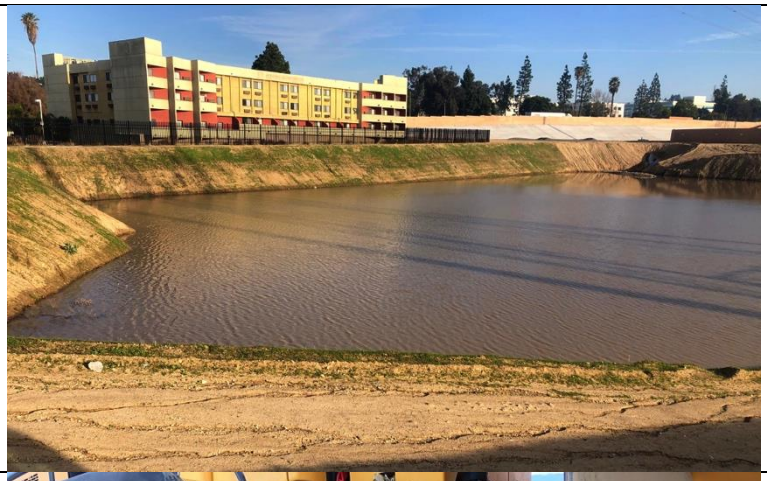
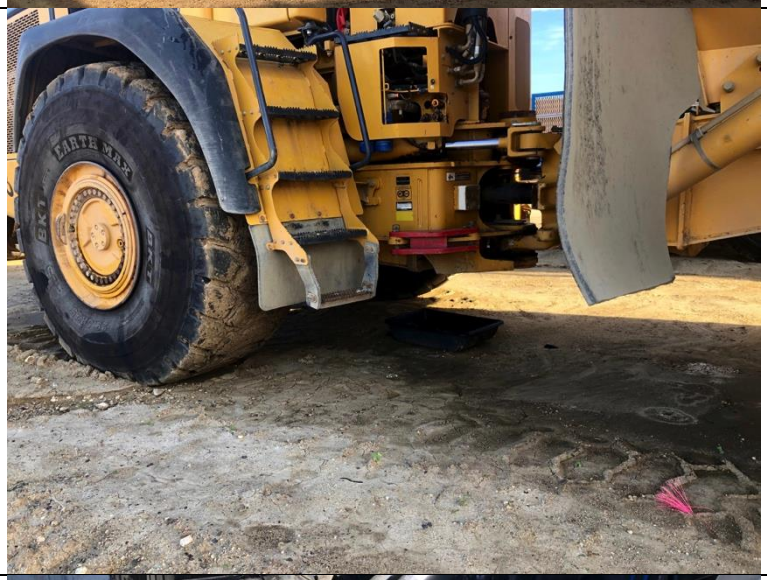
Date	Non-compliance issue and resolution	Relevant Mitigation Measure	NC Report #

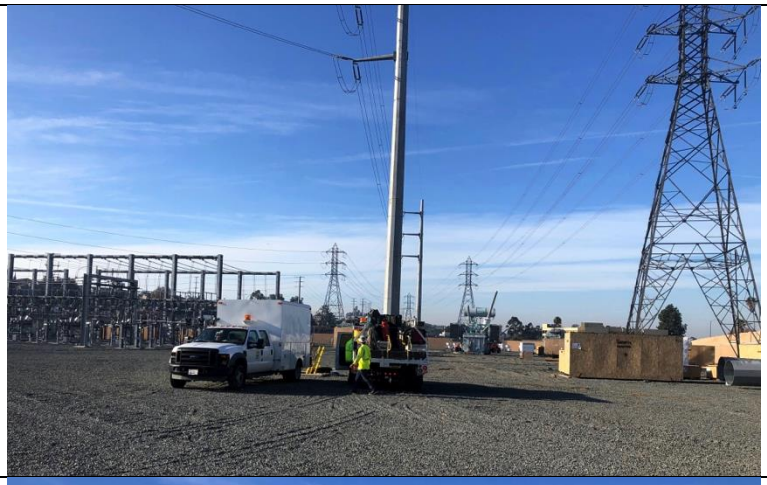
PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/02/20	Mesa Substation		Photo 1 – Evidence of stormwater runoff through the southern portion of the site. Photo facing east.
1/02/20	Mesa Substation		Photo 2 – Sediment captured by the BMPs along the outside of the southern boundary wall – all the wattles are full. Photo facing southwest.
1/02/20	Mesa Substation		Photo 3 – Captured sediment and blown out gravel check dams indicates a large volume of water flowing through this area outside of the southern boundary wall. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/02/20	Mesa Substation		Photo 4 – Drainage channel holding water coming off of the old substation. Photo facing east.
1/02/20	Mesa Substation		Photo 5 – "V" ditch with captured sediment, indicating rainwater runoff coming through here. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/02/20	Mesa Substation		Photo 6 – "V" ditch drains are plugged at the west end of the project near Markland Avenue. Photo facing west.
1/02/20	Mesa Substation		Photo 7 – "V" ditch drains are plugged at the west end of the project near Markland Avenue. Photo facing west.
1/02/20	Mesa Substation		Photo 8 – Small triangular detention with sediment around the drain outlet standpipe.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/02/20	Mesa Substation		Photo 9 – Water within the large retention basin. Photo facing north.
1/02/20	Mesa Substation		Photo 10 – One small drip pan placed under a large piece of equipment.
1/02/20	Mesa Substation		Photo 11 – Inadequate drip pan placement under this equipment.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/02/20	Mesa Substation		Photo 12 – Vault work being performed by a SCE crew. Photo facing west.
1/02/20	Mesa Substation		Photo 13 – Landscaping work near the Mesa Operations Building. Photo facing north.
1/02/20	Mesa Substation		Photo 14 – Landscaping work near the Mesa Operations Building. Photo facing southeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/02/20	Mesa Substation		Photo 15 – BMP work within the Transmission Corridor east of Potrero Grande Drive. Photo facing north.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	1/07/20

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	1/08/20

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	January 9, 2020
Project Proponent:	Southern California Edison (SCE)	**Report #:**	VS102
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Partly cloudy, mild, and breezy
WSP CM:	Silvia Yanez	**Start/End time:**	1300 – 1500 hours
Project NTP(s):	Notice to Proceed (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 (Best Management Practices [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 Storm Water Pollution Prevention Plan (SWPPP)?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, soil 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 miles per hour 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 drainage pipe 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 hours and notified Pete Lubich. I changed into my FR PPE and met with Alec, a member of Mr. Lubich's oversight team, who was to accompany me on my site visit.

Our first stop was at the project entrance to observe the exit/entry BMPs. They were in good condition, having been upgraded with additional rock on the inside of the rumble plates.

No rain had occurred since my last site visit and crews are doing some maintenance work on the stormwater runoff BMPs outside of the southern boundary wall. The crews were shoveling the captured sediment away from the wattles, but leaving it nearby (Photo 1). Removing the sediment from the area is essential to the efficiency of the BMPs during the next rain event; just shoveling the sediment a couple of feet away from the wattles will prevent the BMPs from being effective. Some of the gravel bag check dams have been upgraded near the drain inlet (Photo 2).

While walking outside of the southern boundary fence I noted a location where runoff from Highway 60 is entering the project site. This water adds to the runoff headed into the area outside of the southern boundary wall where all of the BMPs are located. I pointed it out to Alec and we discussed how to redirect this water into the riprapped drainage channel built to handle highway runoff.

I met with Lead Biological Monitor Matt Daniele and Power Grade Foreman Craig Pernot in order to examine the new system of secondary containment. The new drip pans can lock together to customize their size and shape depending on the equipment to be contained (Photo 3). They are also lined with absorbent pads, which can be easily removed and replaced if there are some captured leaks. Mr. Daniele's environment team will be documenting the daily installation and maintenance of these new drip pans.

Ben Smith was onsite overseeing the crews working in the towers installing inflatable balls to discourage raptor nesting (Photo 11). Southern California Edison (SCE) has asked the avian biologists to direct this work since they know where raptors would possibly nest.

The large retention basin remains nearly half full of water indicating that the outlet drainage pipe has been adequately sealed (Photo 4).

Some BMP upgrades have been added to the area around the drain inlet that leads to the small triangular detention basin (Photo 5). The two drain inlets in this area have now been cleaned out (Photo 6). Large quantities of sediment-laden runoff continue to enter this detention basin, filling in much of the basin (Photo 7). Captured sediment appears to have accumulated to the height of the standpipe, and the standpipe is nearly clogged with debris and vegetation (Photo 8).

A small SCE crew continues to work within some vaults near the 16-kV and 66-kV rack areas (Photo 9), and also up in the towers along the project roadway (Photo 10).

A crew was spreading gravel along the southern boundary fence (Photo 12).

MITIGATION MEASURES VERIFIED (Refer to Mitigation Monitoring, Compliance, and Reporting Program, e.g., MM BR-9. Report only on MMs pertinent to your observations today)

All project personnel appear to have been WEAP trained (MM BR-5).

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)

Upgrades to the BMPs are needed outside of the southern boundary wall; an additional catch basin is suggested for the runoff coming off of 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 WSP Compliance Manager. Inform WSP 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.

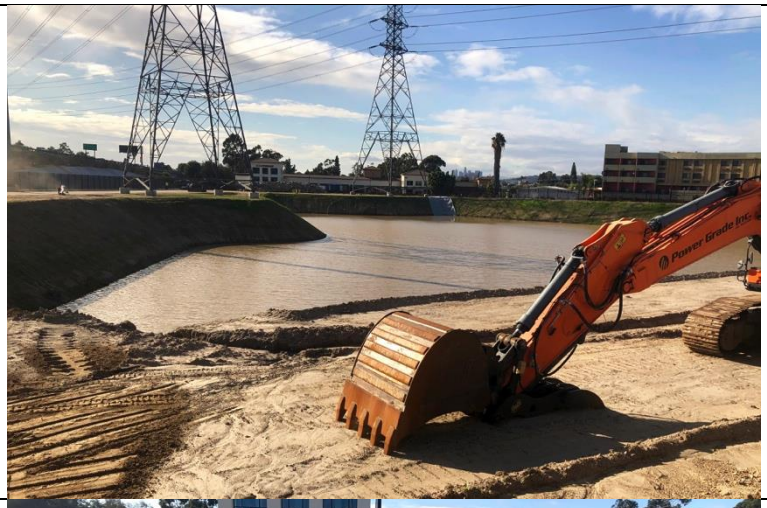
☐ Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the applicant proposed measures, mitigation measures, permit conditions, approval requirements (e.g.,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

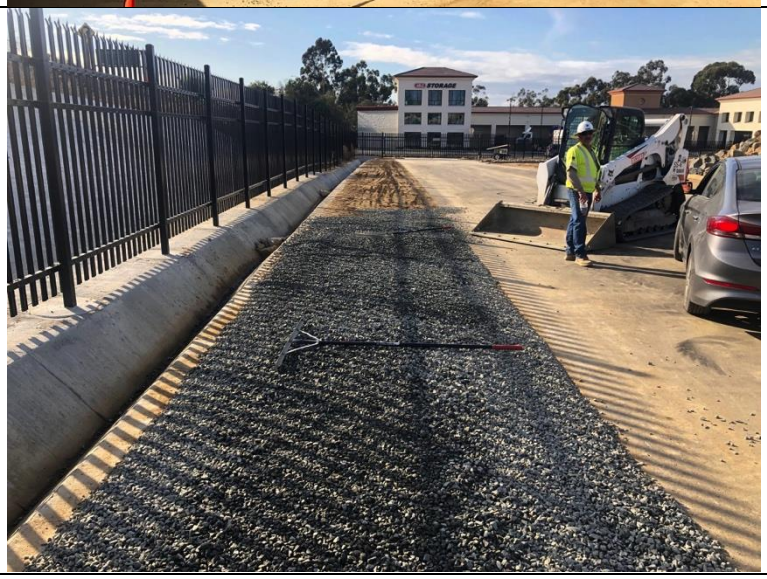
PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/09/20	Mesa Substation		Photo 1 – BMP maintenance outside of the southern boundary wall. Photo facing west.
1/09/20	Mesa Substation		Photo 2 – BMP maintenance outside of the southern boundary wall. Photo facing west.
1/09/20	Mesa Substation		Photo 3 – New secondary containment pans.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/09/20	Mesa Substation		Photo 4 – Water within the large retention basin. Photo facing northwest.
1/09/20	Mesa Substation		Photo 5 – Gravel bag BMPs at the west end of the project site near Markland Avenue. Photo facing west.
1/09/20	Mesa Substation		Photo 6 – "V" ditch drains are cleaned out near Markland Avenue. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/09/20	Mesa Substation		Photo 7 – Water in the small triangular basin has been pumped into the large retention basin. Photo facing north.
1/09/20	Mesa Substation		Photo 8 – Small triangular detention basin with sediment and debris around the drain outlet standpipe.
1/09/20	Mesa Substation		Photo 9 – Vault work being performed by SCE crews. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/09/20	Mesa Substation		Photo 10 – Ongoing tower work. Photo facing northwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/09/20	Mesa Substation		Photo 11 – Tower work, placing balls in potential raptor nesting locations. Photo facing northeast.
1/09/20	Mesa Substation		Photo 12 – Gravel installation along the "V" ditch. Photo facing west.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	1/13/20

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	1/14/20

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	January 17, 2020
Project Proponent:	Southern California Edison (SCE)	**Report #:**	VS103
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Partly cloudy, mild, and calm
WSP CM:	Silvia Yanez	**Start/End time:**	1000 – 1300 hours
Project NTP(s):	Notice to Proceed (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 (Best Management Practices [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 Storm Water Pollution Prevention Plan (SWPPP)?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, soil 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 miles per hour 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 drainage pipe 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 1000 hours and notified Pete Lubich. I changed into my FR clothing and personal protective equipment (PPE), and met with Duane Cave (Mr. Lubich's second in command) who accompanied me on my site visit.

It rained overnight, dropping approximately 0.25 inches of rain and creating some muddy conditions onsite. Because of the mud, we entered the project through the old northern entrance. With the fences down, vehicles are not directed over the entry/exit BMPs and are tracking mud off of the site (Photo 1). If this entrance is to continue to be used, the BMPs needed to be upgraded and used by vehicle traffic.

The concrete-lined drainage channel surrounding the old substation was full and drained into the project site (Photo 2). Water from this channel has eroded out a fairly deep rill along the project entry (Photo 3).

Work on equipment installation was being performed within the various rack areas (Photo 4).

The large retention basin remains about half full of water, so there was not much rainwater runoff from the latest storm (Photo 5). The small triangular basin was empty, with the water having been pumped into the large retention basin (Photo 6). No work has been completed to remove any of the sediment or debris.

The new secondary containment pans remain in place under a few pieces of equipment, but most of the machinery continue to only have the smaller pans (Photo 7).

The quarter inch of rain created some muddy conditions, but did not seem to generate much rainwater runoff. The area along the southern portion of the project site that drains down along the outside of the southern boundary wall was extremely muddy (Photos 8 and 9). Sediment-laden runoff coming through this area overwhelms the BMPs and then leaves the site (Photos 10 and 11). Another solution is needed here to keep project sediment onsite.

The southern section of the concrete channel that surrounds the old substation has been pumped out (Photo 12).

Vegetation has been removed from the areas surrounding the old substation (Photo 13). They have removed some of the fencing around the substation and have also removed some of the equipment from in the old substation.

MITIGATION MEASURES VERIFIED (Refer to Mitigation Monitoring, Compliance, and Reporting Program, e.g., MM BR-9. Report only on MMs pertinent to your observations today)

All project personnel appear to have been WEAP trained (MM BR-5).

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)

Upgrades to the BMPs are needed outside of the southern boundary wall; an additional catch basin is suggested for the runoff coming off of 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 WSP Compliance Manager. Inform WSP 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 applicant proposed measures, 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.

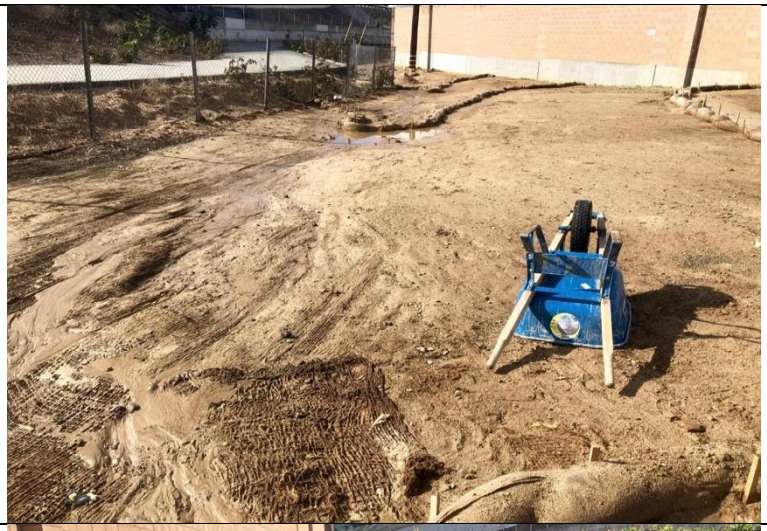
Date	Non-compliance issue and resolution	Relevant Mitigation Measure	NC Report #

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

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/17/20	Mesa Substation		Photo 1 – Vehicle are not using the entry/exit BMPs at the northern project entrance. Photo facing southwest.
1/17/20	Mesa Substation		Photo 2 – The concrete channel around the old substation is full. Photo facing east.
1/17/20	Mesa Substation		Photo 3 – Overflow from the concrete channel has created a sizable rill along the entry/exit BMPs. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/17/20	Mesa Substation		Photo 4 – Work within the rack areas. Photo facing east.
1/17/20	Mesa Substation		Photo 5 – Rainwater runoff in the large detention basin. Photo facing northeast.
1/17/20	Mesa Substation		Photo 6 – Water in the small triangular basin has been pumped into the large retention basin. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/17/20	Mesa Substation		Photo 7 – Secondary containment pans.
1/17/20	Mesa Substation		Photo 8 – Muddy conditions near the vehicle parking area. Photo facing southwest.
1/17/20	Mesa Substation		Photo 9 – Muddy conditions by the southern boundary wall. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/17/20	Mesa Substation		Photo 10 – BMP area outside of the southern boundary wall. Photo facing west.
1/17/20	Mesa Substation		Photo 11 – BMP area outside of the southern boundary wall. Photo facing east.
1/17/20	Mesa Substation		Photo 12 – Concrete channel draining the old substation has been pumped out. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/17/20	Mesa Substation		Photo 13 – Vegetation has been cleared along the north side of the old substation; fences and equipment have been removed. Photo facing west.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	1/21/20

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	1/22/20

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	January 22, 2020
Project Proponent:	Southern California Edison (SCE)	**Report #:**	VS104
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Partly cloudy and mild, with a slight breeze
WSP CM:	Silvia Yanez	**Start/End time:**	1215 – 1430 hours
Project NTP(s):	Notice to Proceed (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 (Best Management Practices [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 Storm Water Pollution Prevention Plan (SWPPP)?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, soil 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 miles per hour 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 drainage pipe 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 1215 hours and notified Pete Lubich. Mr. Lubich accompanied me on my site visit.

Our first stop was at the Mesa Operations Building where crews continued to work on the landscaping (Photo 1). They were creating an access road into the old substation via the Operations Building entrance (Photo 2). I reminded Mr. Lubich that they would need to install entry/exit BMPs for this new access road.

Crews continued to strip off vegetation all through the project site in preparation for the next round of grading (Photo 3). They are in the process of removing all the old equipment and concrete within the northern portion of the old substation (Photo 4). Mr. Lubich indicated that they expect to begin grading this area very soon. Photo 5 shows the same area, just facing to the west along the concrete-lined drainage channel. This channel is also slated for removal.

The large retention basin remains about half full of water (Photo 6). It was not determined if there was a plan in place for pumping out some of the captured water prior to the next big rain event.

No additional BMPs have been installed along the outside of the southern boundary wall (Photo 7). I spoke with Mr. Lubich about any potential upgrades to the BMPs, considering large quantities of new, open soil open were going to be introduced as part of Phase 3 grading. He did not know of any proposed upgrades.

Phase 3 grading had commenced on the hill located just south of the old substation (Photo 8).

A drill rig was working within the telecommunications corridor north of Potrero Grande Drive, drilling foundation holes for new tubular steel poles (TSPs). A Paleo monitor is onsite checking the soils; so far he had not seen anything of interest.

MITIGATION MEASURES VERIFIED (Refer to Mitigation Monitoring, Compliance, and Reporting Program, e.g., MM BR-9. Report only on MMs pertinent to your observations today)

All project personnel appear to have been WEAP trained (MM BR-5).

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)

Upgrades to the BMPs are needed throughout the project site during the Phase 3 grading.

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 WSP Compliance Manager. Inform WSP 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 applicant proposed measures, 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.

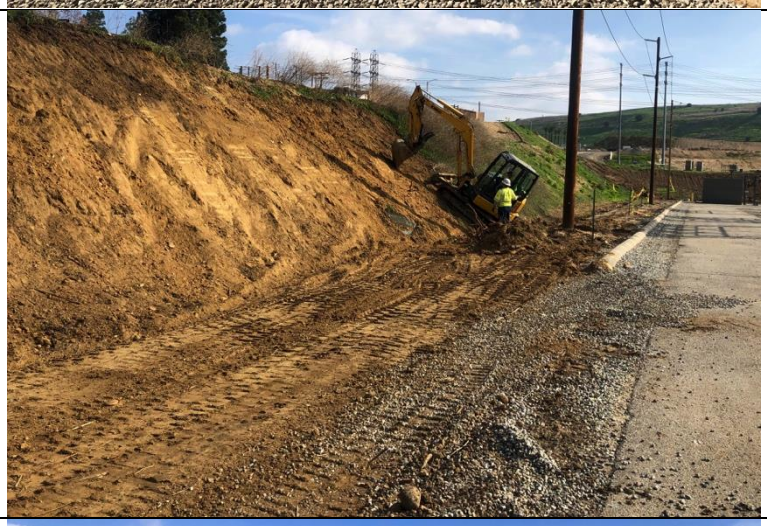
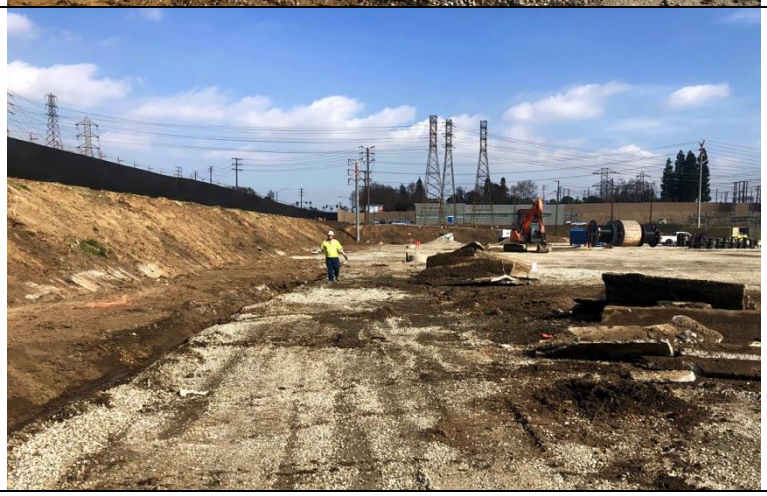
☐ Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

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
1/22/20	Mesa Substation		Photo 1 – Landscape work around the Mesa Operations Building. Photo facing northeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/22/20	Mesa Substation		Photo 2 – Looking west from the Mesa Operations building toward the old substation. Photo facing west.
1/22/20	Mesa Substation		Photo 3 – Vegetation clearing around the old substation in preparation for Phase three grading. Photo facing south.
1/22/20	Mesa Substation		Photo 4 – Concrete removal work within the old substation. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/22/20	Mesa Substation		Photo 5 – Vegetation removal completed around the substation drainage channel. Photo facing west.
1/22/20	Mesa Substation		Photo 6 – Water in the large retention basin. Photo facing northwest.
1/22/20	Mesa Substation		Photo 7 – BMP area outside of the southern boundary wall. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/22/20	Mesa Substation		Photo 8 – Grading work beginning on the hill just south of the old substation. Photo facing north.
1/22/20	Mesa Substation		Photo 9 – Drilling work for TSP foundations within the telecommunications corridor north of Potrero Grande Drive. Photo facing west.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	1/28/20

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	2/05/20

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	January 29, 2020
Project Proponent:	Southern California Edison (SCE)	**Report #:**	VS105
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Partly cloudy and mild, with a slight breeze
WSP CM:	Silvia Yanez	**Start/End time:**	1030 – 1215 hours
Project NTP(s):	Notice to Proceed (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 (Best Management Practices [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 Storm Water Pollution Prevention Plan (SWPPP)?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, soil 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 miles per hour 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 drainage pipe 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 1030 hours and notified Pete Lubich. Once again, Mr. Lubich accompanied me on my site visit.

At the Mesa Operations Building, crews continued to work inside the building and on the surrounding landscaping.

We drove into the old substation area where extensive amounts of equipment were in use (Photo 1). Removal of old structural material was being performed (Photo 2) and crews were completing the removal of some hazardous materials.

All of the vegetation from around the old substation had been removed along with most of the concrete-lined drainage channels (Photos 3, 4, 5 and 6). Photos 3 and 4 show the drainage culverts originating from the Mesa Operations Building.

Crews continued to dismantle equipment within the old substation (Photo 7).

The large retention basin continues to hold water, remaining about half full (Photo 8). I asked Mr. Lubich if they had a plan to drain some of the water and he indicated they have delivered a pump in order to fill water trucks from the basin.

Additional equipment has been delivered to the project site (Photo 9).

Crews were noted working on equipment along the new access road within the rack areas (Photo 10).

BMPs appeared to be in the same condition along the outside of the southern boundary wall (Photo 11).No upgrades have been made, but some maintenance appears to be ongoing; a pile of sediment was noted near the wattles.

The new secondary containment drip pans now appear to be utilized for most of the parked equipment (Photo 12).

With Phase 3 grading underway, large quantities of open soil are throughout the project site, including the south-facing slope that drains toward the southern boundary wall (Photo 13). Also, extensive stockpiling of soil, rock, concrete, and asphalt is occurring in the southeastern portion of the project; all within the area draining toward the southern boundary wall (Photo 14).

A weed removal crew was working around some of the existing towers within the telecommunications corridor north of Potrero Grande Drive (Photo 15).

MITIGATION MEASURES VERIFIED (Refer to Mitigation Monitoring, Compliance, and Reporting Program, e.g., MM BR-9. Report only on MMs pertinent to your observations today)

All project personnel appear to have been WEAP trained (MM BR-5).

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)

Upgrades to the BMPs are needed throughout the project site during the Phase 3 grading.

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 WSP Compliance Manager. Inform WSP 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.

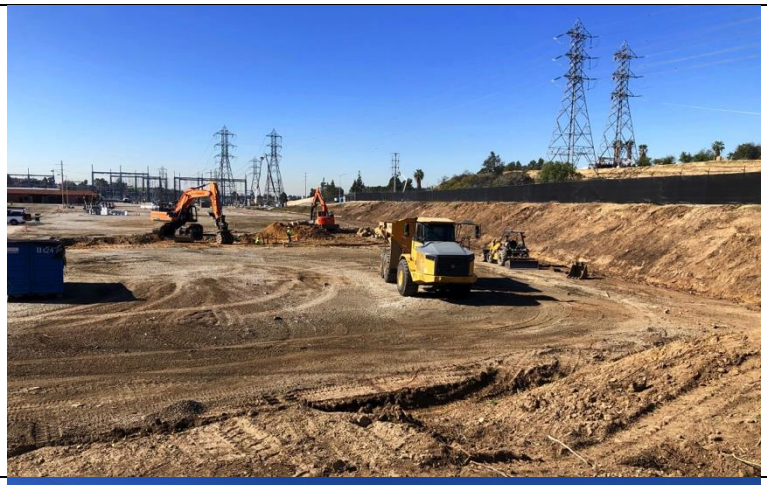
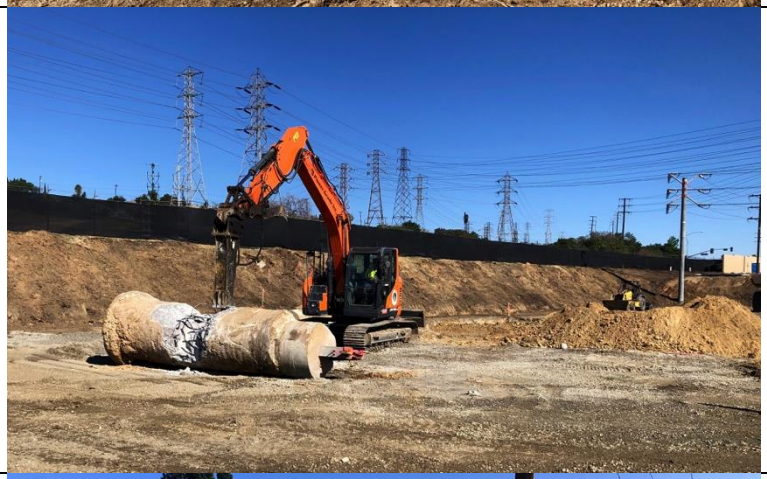
☐ Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing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

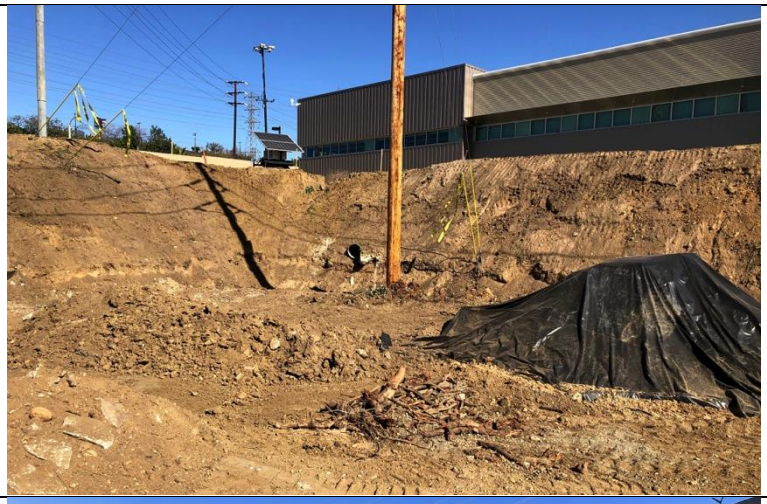
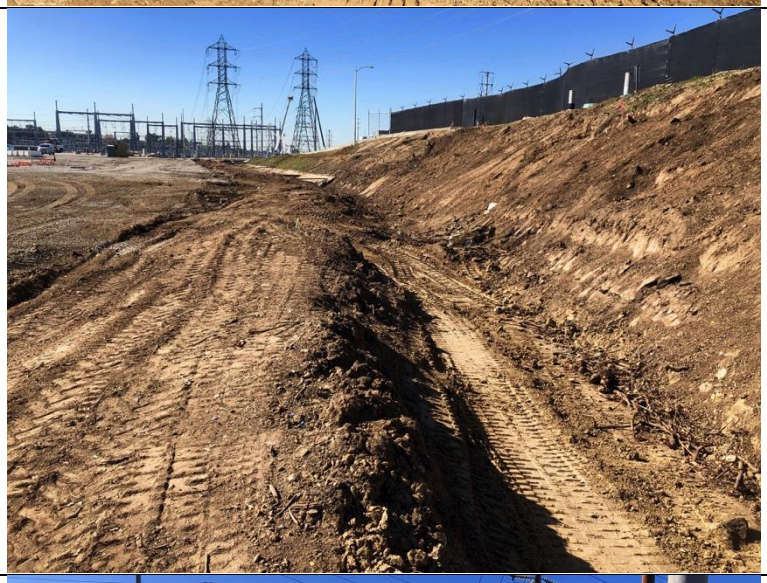
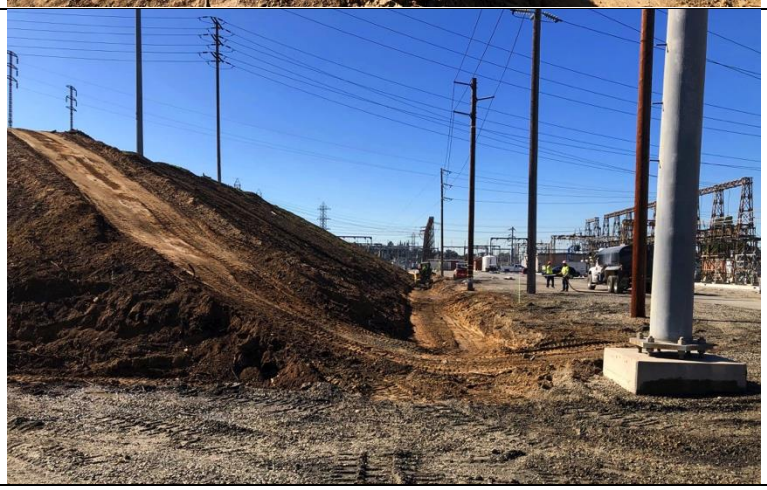
☐ Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the applicant proposed measures, mitigation measures, permit conditions, approval requirements (e.g.,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

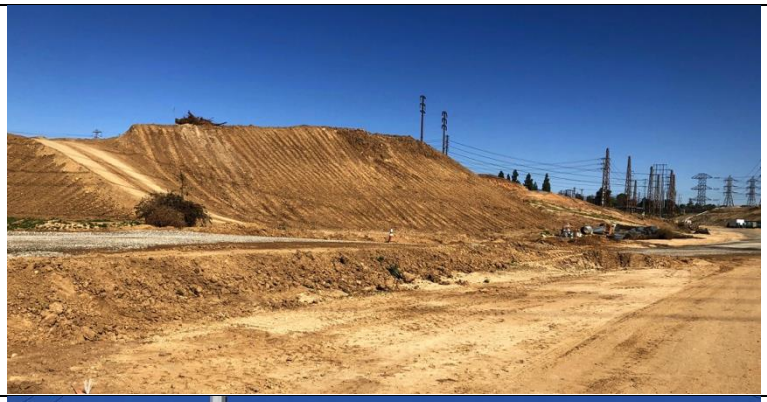
PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/29/20	Mesa Substation		Photo 1 – Phase 3 grading activity in the old substation. Photo facing west.
1/29/20	Mesa Substation		Photo 2 – Foundation removal work within the old substation. Photo facing northeast.
1/29/20	Mesa Substation		Photo 3 – The vegetation has been cleared and the concrete-lined channel removed along the eastern end of the old substation. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/29/20	Mesa Substation		Photo 4 – The vegetation has been cleared and the concrete-lined channel removed below the Mesa Operations Building. Photo facing northeast.
1/29/20	Mesa Substation		Photo 5 – The vegetation has been cleared and the concrete-lined channel removed along the northern side of the old substation. Photo facing west.
1/29/20	Mesa Substation		Photo 6 – The vegetation has been cleared and the concrete-lined channel removed along the southern side of the old substation. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/29/20	Mesa Substation		Photo 7 – Equipment removal within the old substation. Photo facing north.
1/29/20	Mesa Substation		Photo 8 – The detention basin. Photo facing north.
1/29/20	Mesa Substation		Photo 9 – Equipment being delivered onsite. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/29/20	Mesa Substation		Photo 10 – A crew working on equipment along the new project road. Photo facing west.
1/29/20	Mesa Substation		Photo 11 – BMPs along the outside of the southern boundary wall. Photo facing southwest.
1/29/20	Mesa Substation		Photo 12 – New drip pans under parked equipment.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
1/29/20	Mesa Substation		Photo 13 – Cleared slope within the southeastern portion of the project site. Photo facing east.
1/29/20	Mesa Substation		Photo 14 – Stockpiled construction debris within the southeastern portion of the project site. Photo facing northeast.
1/29/20	Mesa Substation		Photo 15 – Weed removal crew working north of Potrero Grande Drive. Photo facing north.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	2/04/20

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	2/04/20