March 8, 2021

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

Re: Monthly Report Summary #35 for the Mesa 500-kV Substation Project

Dear Ms. Chen,

This report provides a summary of the compliance monitoring activities that occurred during the period from **August 1 to 31, 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 the 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 **August 5, 13, 19, and 27, 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).

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 database notifications from SCE, provided additional compliance information and construction summaries. Furthermore, SCE's monthly compliance status report for August 2020 provided

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425 MARKET STREET
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SAN FRANCISCO, CA 94105

Tel.: 415-398-5326
wsp.com

a compliance summary and included a description of construction activities from August 1 to 30, 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

No compliance incidences occurred during the August 2020 reporting period.

Noise Compliance

No noise exceedances occurred during the August 2020 reporting period.

Spills

No spills were documented during the March 2020 reporting period.

Public Concerns

No public concerns were raised during August 2020.

Minor Project Changes

No Minor Project Changes were requested during August 2020.

Sincerely,

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

ATTACHMENT 1

CPUC Site Inspection Reports

August 5, 13, 19, and 27, 2020

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	August 5, 2020
Project Proponent:	Southern California Edison (SCE)	**Report #:**	VS130
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Overcast, mild, and calm
WSP CM:	Silvia Yanez	**Start/End time:**	1030 to 1315 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 onsite 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)

At 1030 hours, I arrived onsite at the construction trailers and sent a text to Pete Lubich and Matt Daniele, alerting them of my arrival. I did not hear back from Mr. Lubich and was informed that Mr. Daniele was on vacation. I spoke to a member of Mr. Lubich's team, who attempted to locate him.

I stopped at the eastern entrance and took a photo of the stockpiled materials (Photo 1). This entrance was now closed to most construction traffic, so I drove to the northern entrance, which would become the main entrance to the project site. I parked near the entrance to begin my site inspection. To the west of the entrance, crews were working on the northern boundary wall; they were pouring slurry behind the new wall (Photo 2). A concrete washout station was set up near the wall construction, but when pouring slurry, the washout of the equipment was performed at the pour site (Photo 3).

One of Mr. Lubich's crew, Duane Cave, met me onsite and explained the ongoing work activities. Clean-p of the asbestos-contaminated material and equipment remained to be performed (Photos 4 and 5). According to Duane, they continued to wait for clearance to transport the material offsite. Clearance was received to excavate soil and foundations from within a portion of the existing substation. The soil was being delivered to rebuild the new retention basins.

Duane allowed Wayne Woodroof, the lead environmental biologist, to continue the site tour. Mr. Woodroof and I discussed the nesting bird issues in and around the project site. They were closely monitoring the coastal California gnatcatcher (*Polioptila californica)* nest in the Environmentally Sensitive Area (ESA) area, since the eggs were close to hatching. We drove down the southern access road noting the coastal California gnatcatcher nest buffer boundary.

Some additional trenching and pipe installation had been completed, leading into the transformer catch basin (Photo 6). Climbing structures had been placed in the trench with a sloped escape ramp.

We drove down to the detention basin area where the dewatering was complete. A crew was modifying the basin to create two catch basins. Soil from the existing substation was being delivered to raise the level of the bioswale basin. An additional segment of the stormwater drainage pipe system was installed along the northern edge of the basins (Photo 7). The area by the drain outlet was muddy and the soil was being turned by an excavator to allow it to dry (Photo 8).

Most of the parked equipment around the site had adequate secondary containment basins; however, one haul truck parked near the detention basin had no drip pans present (Photo 9). Mr. Woodroof spoke to the construction team about the vehicle.

Equipment was working to excavate and move soil down to the detention basin (Photos 10 and 11). Air sampling equipment had been set up around the work areas (Photo 12).

The Phase 4 contractor, Professional Electrical Construction Services, was setting up and fencing off a staging area for their equipment (Photo 13). They were continuing to pour the transformer foundations and catch basins in the 500-kilovolt (kV) rack area (Photo 14).

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)

Continue to check on the nesting bird issues.

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

COMPLIANCE SUMMARY

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

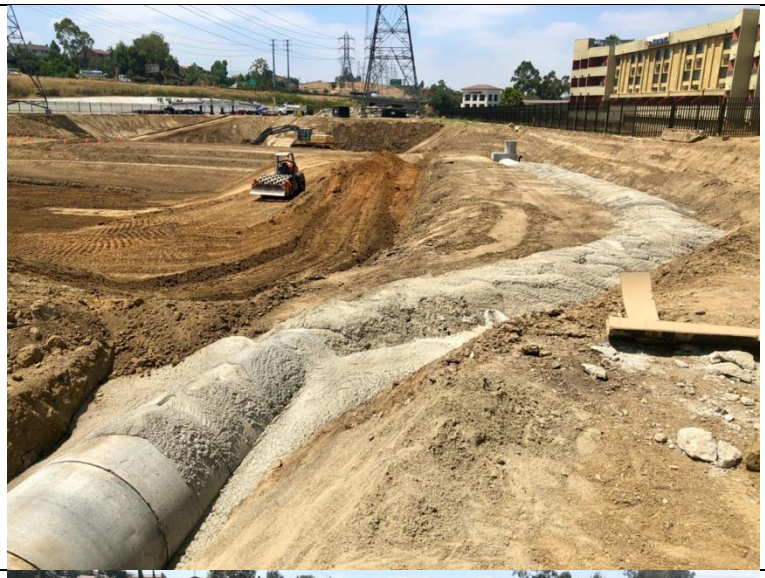
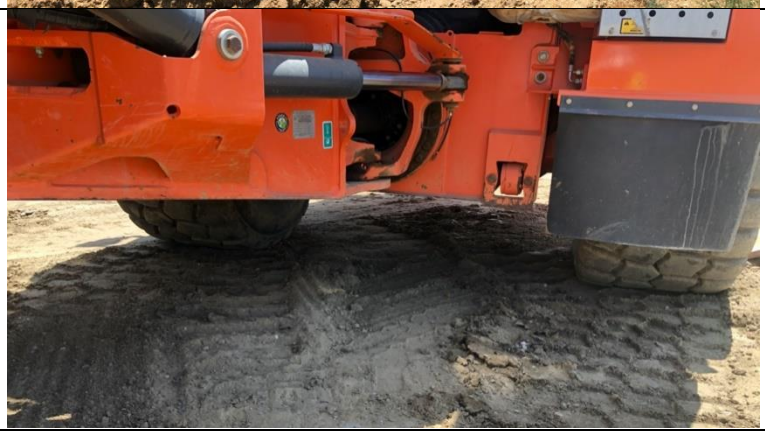
☐ Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

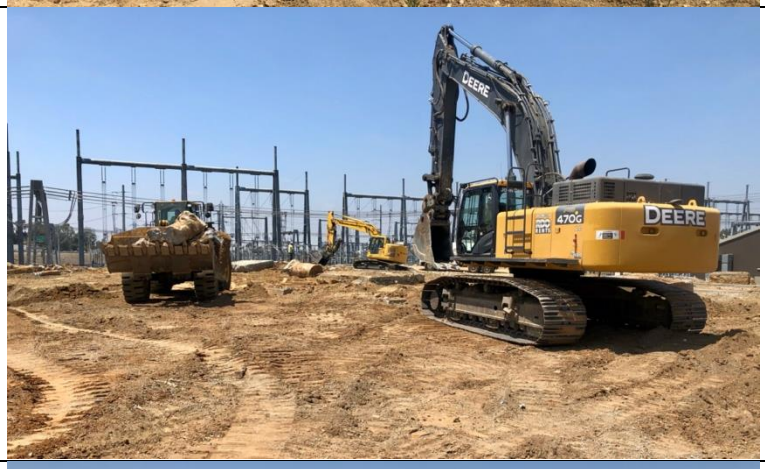
Date	Non-compliance issue and resolution	Relevant Mitigation Measure	NC Report #

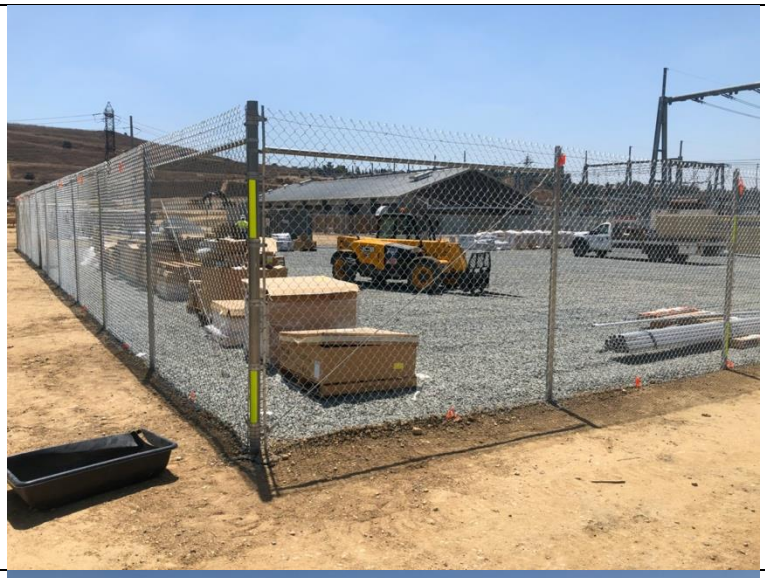
PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/05/20	Mesa Substation		Photo 1 – Overview of the debris stockpile area from the east entrance. Photo facing southwest.
8/05/20	Mesa Substation		Photo 2 – Work on the northern wall including pouring slurry. Photo facing west.
8/05/20	Mesa Substation		Photo 3 – Concrete washout basins. Photo facing southeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/05/20	Mesa Substation		Photo 4 – Contaminated excavator. Photo facing southeast.
8/05/20	Mesa Substation		Photo 5 – Taped off area with contaminated material and equipment. Photo facing east.
8/05/20	Mesa Substation		Photo 6 – Trench and piping running down to the transformer catch basin. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/05/20	Mesa Substation		Photo 7 – Detention basin with soil being delivered and additional segments of the stormwater drainage pipe being installed. Photo facing west.
8/05/20	Mesa Substation		Photo 8 – Mixing the muddy soil at the west end of the detention basin to dry it out. Photo facing south.
8/05/20	Mesa Substation		Photo 9 – A haul truck with no secondary containment.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/05/20	Mesa Substation		Photo 10 – Phase 3 excavation area. Photo facing east.
8/05/20	Mesa Substation		Photo 11 – Removal of soil and foundations from the southwestern corner of the existing substation. Photo facing west.
8/05/20	Mesa Substation		Photo 12 – Air monitoring equipment near the excavation area. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/05/20	Mesa Substation		Photo 13 – Professional Electrical Construction Services was installing a fenced equipment storage yard. Photo facing south.
8/05/20	Mesa Substation		Photo 14 – Phase 4 foundation work for the 500-kV transformers. Photo facing east.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	8/08/20

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	8/09/20

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	August 13, 2020
Project Proponent:	Southern California Edison (SCE)	**Report #:**	VS131
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Overcast and warm, with a slight breeze
WSP CM:	Silvia Yanez	**Start/End time:**	1015 to 1230 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 onsite 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)

At 1015 hours, I arrived onsite at the construction trailers and texted Pete Lubich and Matt Daniele to alert them I was onsite. Mr. Daniele was available and accompanied me on my site visit. Bird nesting issues have decreased with only one active coastal California gnatcatcher (*Polioptila californica*) nest onsite.

The Phase 4 work was expanding with the Professional Electrical Construction Services company laying out the building grids and beginning the underground work for the 500-kilovolt (kV) rack facility. Most of this work was being completed within the northeastern portion of the project site and included conduit installation (Photo 1), and grounding wire installation (Photo 2). Work continued on the transformer foundations (Photo 3). Professional Electrical Construction Services appeared to be adhering to all basic environmental conditions, including adequate dust control, established concrete washout stations, and adequate secondary containment under the equipment.

Mr. Daniele observed that the crew was using plastic-covered straw wattle for their BMPs. Mr. Daniele alerted them that burlap covered wattles would now be required.

Several areas and pieces of equipment remained cordoned off and requiring additional cleanup (Photo 4).

Work on the 500-kV transformers continued within the 66-kV rack area (Photo 5).

Power Grade continued to work on Phase 3, including the construction of the northern boundary wall. While I was onsite, a large crew was spraying a portion of the wall with shotcrete (Photo 6) and installing rebar (Photo 7). I briefly spoke to Craig Pernot about the Power Grade construction activities. Their crews continued to excavate the soil and existing foundations in the southwestern corner of the existing substation (Photo 8) and hauling this soil to the existing retention basin (Photo 9). The soil was being compacted into the portion of the basin that will become a bioswale. A pool of water was contained in the southern portion of the basin but the source was unclear.

Lastly, the soil in the western portion of the existing retention basin continued to be mixed to allow the material to dry out (Photo 10).

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)

Continue to check on the nesting bird issues.

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

COMPLIANCE SUMMARY

Below please describe any non-compliance issues or new biological/cultural discoveries that have occurred since your last visit. If you observe a non-compliance issue in the field, please note this on the monitoring datasheet, and for non-compliance Level 2 or 3 fill out and submit a separate Non-Compliance Report Form to 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
8/13/20	Mesa Substation		Photo 1 – Phase 4 conduit installation in the northeast portion of the project site. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/13/20	Mesa Substation		Photo 2 – Phase 4 grounding wire installation in the northeast portion of the project site. Photo facing south.
8/13/20	Mesa Substation		Photo 3 – Phase 4 foundation work for the 500-kV transformers. Photo facing west.
8/13/20	Mesa Substation		Photo 4 – Taped off area with contaminated material and equipment. Photo facing southeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/13/20	Mesa Substation		Photo 5 – 500-kV transformer assembly. Photo facing south.
8/13/20	Mesa Substation		Photo 6 – Work on the northern wall with crews applying shotcrete. Photo facing north.
8/13/20	Mesa Substation		Photo 7 – Crew installing rebar on the northern boundary wall. Photo facing northwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/13/20	Mesa Substation		Photo 8 – Removal of soil and foundations from the southwestern corner of the existing substation. Photo facing north.
8/13/20	Mesa Substation		Photo 9 – Reworking the existing retention basin. Ponded water was observed nearby from an unknown source. Photo facing north.
8/13/20	Mesa Substation		Photo 10 – Western portion of the existing retention basin being left to dry out. Photo facing north.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	8/18/20

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	8/19/20

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	August 19, 2020
Project Proponent:	Southern California Edison (SCE)	**Report #:**	VS132
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Sunny and hot, with a slight breeze
WSP CM:	Silvia Yanez	**Start/End time:**	1400 to 1545 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 onsite 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)

At 1400 hours, I arrived onsite at the construction trailers and texted Pete Lubich and Matt Daniele. Mr. Lubich sent a member of his staff, to accompany me on my site visit. I discussed notifying them of my site visits earlier to allow for better scheduling.

Alec and I entered the site through the eastern gate and drove by the stockpiled construction materials (Photo 1). Equipment was breaking up the material and some was being hauled offsite.

I noted Mr. Daniele onsite and we discussed the coastal California gnatcatcher (*Polioptila californica)* nest. The buffer stakes were remained in place (Photo 2), but Mr. Daniele said that the nest had recently been predated. Mr. Daniele was going to notify project personnel and remove the stakes and signage before the end of the day.

Earthwork continued near the southwestern corner of the existing substation with many of the existing tower foundations being removed (Photo 3). The excess soil was being loaded into haul trucks and transported to the retention basin (Photo 4). Scrapers were moving the soil to the retention basin. Water trucks were concentrating on this area to limit dust and provide moisture for better compaction.

A portion of the Phase 3 grading area remained cordoned off due to the presence of contaminated materials (Photo 5).

The retention basin was being reworked into a bioswale using the excess soil from the existing substation (Photo 6). The water seep at the southern end of the bioswale continued to create a pool of water. Alec said plans were being drawn up to manage the seepage. Soil within the containment basin at the western end of the retention area appeared to be dry and had a road leading down to it (Photo 7).

We drove into the Phase 4 work area where the Professional Electrical Construction Services workers had left for the day. Alec explained that, due to the heat, they were starting earlier in the morning when concrete could be poured and setting before temperatures rose too high (Photo 8). They continued to work on the 500-kilovolt (kV) transformer foundations (Photo 9).

Power Grade continued to do the Phase 3 grading work and construction on the northern boundary wall (Photo 10). Crews had just completed spraying a portion of the wall with shotcrete and were installing rebar. Concrete washout bins were nearby and used by the concrete trucks and the pumper truck.

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 onsite, environmental observations of note)

COMPLIANCE SUMMARY

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

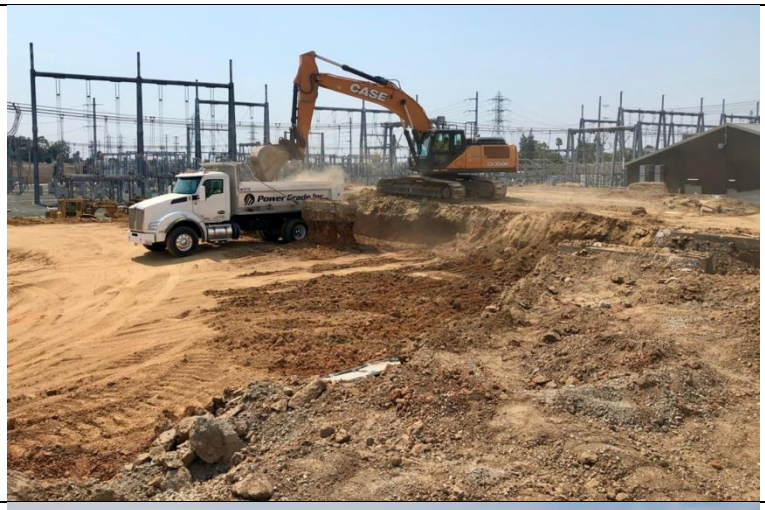
☐ Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the applicant proposed measures, mitigation measures, permit conditions, approval requirements (e.g., 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**
8/19/20	Mesa Substation		Photo 1 – Breakup and removal of debris from the existing substation. Photo facing north.
8/19/20	Mesa Substation		Photo 2 – Nesting bird buffer signs. Photo facing north.
8/19/20	Mesa Substation		Photo 3 – Phase 3 removal work of the existing foundations. Photo facing northeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/19/20	Mesa Substation		Photo 4 – Excavation of excess soil from the southwest corner of the existing substation. Photo facing northeast.
8/19/20	Mesa Substation		Photo 5 – Taped off area with contaminated material and equipment. Photo facing east.
8/19/20	Mesa Substation		Photo 6 – Reworking the existing retention basin. Ponded water was present from an unknown source. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/19/20	Mesa Substation		Photo 7 – Western portion of the existing retention basin appeared to have dried out. Photo facing northwest.
8/19/20	Mesa Substation		Photo 8 – Newly poured Phase 4 foundations. Photo facing south.
8/19/20	Mesa Substation		Photo 9 – Phase 4 foundation work for the 500-kV transformers. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/19/20	Mesa Substation		Photo 10 – Power Grade working on the northern wall with crews applying shotcrete. Photo facing north.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	8/24/20

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	8/25/20

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	August 27, 2020
Project Proponent:	Southern California Edison (SCE)	**Report #:**	VS133
Lead Agency:	California Public Utilities Commission (CPUC)	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Sunny, hot, and calm
WSP CM:	Silvia Yanez	**Start/End time:**	1115 to 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 onsite 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 1115 hours and coordinated with lead biologist Matt Daniele prior to my arrival to ensure he was available to escort me through the site. Mr. Daniele had observed one new nest in one of the rack areas, but said it was out of the way of construction activities.

We entered the site through the eastern gate and drove by the stockpiled construction materials. A grinding machine was onsite to break down the concrete and asphalt (Photo 1).

Power Grade equipment continued to remove the existing foundations and was moving excess soil out of the existing substation and delivering it to the detention basin area (Photos 2 and 3). Water trucks were concentrating on these work areas to minimize dust and provide moisture for better compaction.

A portion of the Phase 3 grading area remained cordoned off due to contamination by hazardous materials (Photo 4). Crews were removing the material by hand during night shifts over the weekends.

Soil was being delivered into the western portion of the existing detention basin. It was spread and compacted by equipment (Photo 5). The bioswale appeared to have reached grade and crews appeared to be installing pipe, filter fabric, and roadways (Photo 6). Mr. Daniele was unsure how crews were going to address the water seepage.

We drove through the rack areas where assembly of the 500-kilovolt (kV) transformers was ongoing (Photo 7). Crews were installing a fence around the live rack areas (Photo 8). According to Mr. Daniele, the fencing was installed to allow workers outside of these areas to wear regular personal protective equipment (PPE) and not be required to wear fire resistant (FR) clothing.

Power Grade crews continued to work on the construction of the northern boundary wall (Photo 9) and were breaking up concrete to remove rebar (Photo 11).

Within the Phase 4 work area, the Professional Electrical Construction Services crews continued to work on the transformer foundations (Photo 10) and foundations for the substation (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 onsite, environmental observations of note)

COMPLIANCE SUMMARY

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

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☐ 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.

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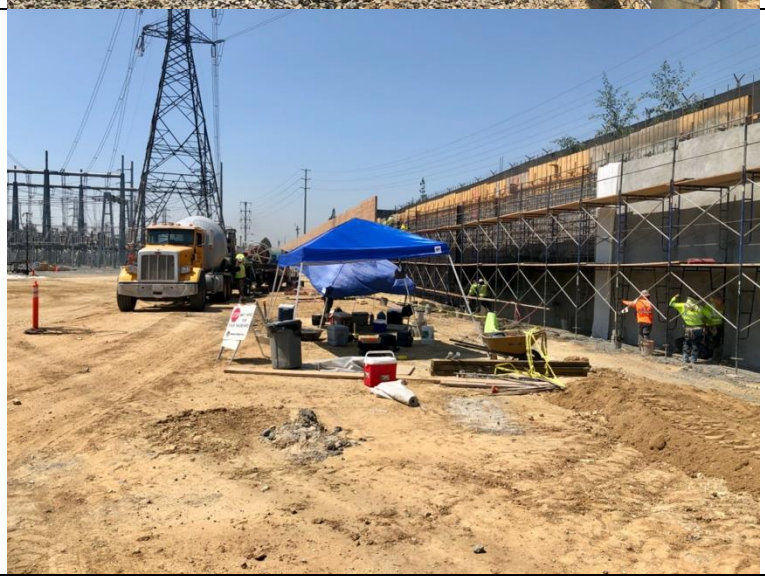
☐ Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

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

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

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/27/20	Mesa Substation		Photo 1 – Breakup and removal of debris from the existing substation. Photo facing northwest.
8/27/20	Mesa Substation		Photo 2 – Excavation of the existing tower foundations. Photo facing northwest.
8/27/20	Mesa Substation		Photo 3 – Excavation of soil from the existing substation was being transported the detention basin. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/27/20	Mesa Substation		Photo 4 – Taped off area with contaminated material and equipment. Photo facing southwest.
8/27/20	Mesa Substation		Photo 5 – Compacting soil into the existing detention basin. Photo facing north.
8/27/20	Mesa Substation		Photo 6 – Installation of the new bioswale. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/27/20	Mesa Substation		Photo 7 – Assembly of the 500-kV transformers. Photo facing west.
8/27/20	Mesa Substation		Photo 8 – New exclusion fence being installed around the energized rack areas to allow crews to wear normal PPE and not be required to wear FR clothing. Photo facing south.
8/27/20	Mesa Substation		Photo 9 – Power Grade working on the northern wall with crews applying shotcrete. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
8/27/20	Mesa Substation		Photo 10 – Phase 4 foundation work for the 500-kV transformers. Photo facing northwest.
8/27/20	Mesa Substation		Photo 11 – Equipment breaking up concrete to remove the rebar. Photo facing south.
8/27/20	Mesa Substation		Photo 12 – Phase 4 foundation work. Photo facing east.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	8/29/20

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	8/30/20