



March 12, 2021

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

**Re: Monthly Report Summary #37 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 **October 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 **October 7, 14, 22, and 28, 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).

No compliance incidences occurred during the period from October 1 to 31, 2020. 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

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database notifications from SCE, provided additional compliance information and construction summaries. Furthermore, SCE's monthly compliance status report for October 2020 provided a compliance summary and included a description of construction activities from October 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**

One compliance incident occurred during the October 2020 reporting period.

### **Noise Compliance**

No noise exceedances occurred during the October 2020 reporting period.

### **Spills**

No spills were reported during the October 2020 reporting period.

### **Public Concerns**

No public concerns were raised during October 2020.

### **Minor Project Changes**

No Minor Project Changes occurred during the October 2020 reporting period.

Sincerely,



Silvia Yanez  
Project Manager, Ecology and Environment, Inc.

cc:

Lori Rangel, SCE

Don Dow, SCE

# ATTACHMENT 1

CPUC Site Inspection Reports  
October 7, 14, 22, and 28, 2020



## Mesa 500–kV Substation Project CPUC Site Inspection Form

<b>Project:</b>	Mesa 500-kV Substation Project	<b>Date:</b>	October 7, 2020
<b>Project Proponent:</b>	Southern California Edison (SCE)	<b>Report #:</b>	VS138
<b>Lead Agency:</b>	California Public Utilities Commission (CPUC)	<b>Monitor(s):</b>	Vince Semonsen
<b>CPUC PM:</b>	Connie Chen, Energy Division	<b>AM/PM Weather:</b>	Warm and breezy with hazy sunshine
<b>WSP CM:</b>	Silvia Yanez	<b>Start/End time:</b>	1415 to 1630 hours
<b>Project NTP(s):</b>	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)

<b>Worker Environmental Awareness Program (WEAP) Training</b>	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		
<b>Erosion and Dust Control (Air and Water Quality)</b>	Yes	No	N/A
Have temporary erosion and sediment control measures (Best Management Practices [BMPs]) been installed?	X		
<b><i>Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?</i></b>	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		
<b>Equipment</b>	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 miles per hour on unpaved roads? <i>Except for the scrapers.</i>	X		
Are observed vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are observed vehicles/equipment turned off when not in use?	X		
<b>Work Areas</b>	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		
<b>Biology</b>	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	
<b>Cultural and Paleontological Resources</b>	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	
<b>Hazardous Materials</b>	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		
<b>Work Hours and Noise</b>	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 1415 hours and met with Environmental Inspector (EI) and Avian Biologist Wayne Woodroof. Lead Environmental Inspector (LEI) Matt Daniele was scheduled for the night shift because wire pulling was scheduled to be performed overnight across the public roadway.

An area inside the Potrero Grande Drive entrance was being prepared for shotcrete applications (Photo 1).

Wayne and I drove down toward the Professional Electrical Construction Services yard where crews were working on conduit installation near the new 500-kilovolt (kV) transformer firewalls and foundations (Photo 2). An earthen ramp was made at one end of the conduit trench. Mr. Woodroof was checking on the various trenches and excavations to ensure climbing structures were in place and that they were covered overnight.

Other Phase 4 foundation work continued nearby (Photo 3). We observed the secondary containment under the parked equipment and it appeared adequate. Mr. Woodroof found one cracked drip pan and replaced it with a new one (Photo 4). Mr. Woodroof introduced me to the Professional Electrical Construction Services environmental inspector and we discussed our respective roles.

I stopped to examine the slope outside of the project fence on the north side of the retention basin (Photo 5). This slope was covered with weeds and required abatement work.

At the retention basin area crews were working on the eastern bioswale portion to complete the grading (Photo 6). In the western portion of the retention basin system, soil was being imported and compacted into the basin, bringing up to grade (Photo 7). The manhole entrance had been installed and the shoring removed.

As the 2020-2021 rainy season approaches, we reviewed the stormwater drainage along the southeastern portion of the site that emptied out behind the southern boundary wall, entering the offsite drain or the California Department of Transportation (Caltrans) channel. The BMPs behind the wall did not contain the amount of sediment from the previous year and required an upgrade (Photo 8).

Power Grade continued to excavate and remove soil from the existing substation (Photo 9) and excavating near the eastern entrance (Photo 10). Work on the eastern boundary wall continued (Photo 11).

Photos 12 and 13 provided overview shots of the Phase 4 work facing north from the last remaining soil hill on the project site.

Mr. Woodroof and I spoke with Power Grade Foreman Craig Pernot about drip pans under parked equipment and he indicated that, at the end of each day, a crew ensures proper secondary containment is in place.

**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)

Weed removal work and BMP upgrades.

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

The 2020/2021 rainy season would be starting soon; rainwater runoff issues should be evaluated.

**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
10/07/20	Mesa Substation		Photo 1 – Additional grading and shotcrete work near the Potrero Grande Drive entrance. Photo facing northwest.
10/07/20	Mesa Substation		Photo 2 – Trenching work alongside the new Phase 4 firewalls. Photo facing south.
10/07/20	Mesa Substation		Photo 3 – Phase 4 foundation work. Photo facing southwest.







**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
10/07/20	Mesa Substation		Photo 4 – Secondary containment under parked equipment.
10/07/20	Mesa Substation		Photo 5 – Weed growth within the north facing slope near the retention basin system. Photo facing west.
10/07/20	Mesa Substation		Photo 6 – Final grading within the bioswale portion of the retention basin system. Photo facing south.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
10/07/20	Mesa Substation		Photo 7 – Compacting soil and grading in the western portion of the retention basin. Photo facing southwest.
10/07/20	Mesa Substation		Photo 8 – BMPs outside of the southern boundary wall need to be upgraded before the coming rainy season. Photo facing southwest.
10/07/20	Mesa Substation		Photo 9 – Excavation of soil from within the existing substation. Photo facing north.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
10/07/20	Mesa Substation		Photo 10 – Excavation work in the southeastern corner of the project site near the eastern entrance. Photo facing southwest.
10/07/20	Mesa Substation		Photo 11 – Brick installation continued along the eastern boundary wall. Photo facing north.
10/07/20	Mesa Substation		Photo 12 – Overview of the western portion of the Phase 4 work area. Photo facing northwest.
10/07/20	Mesa Substation		Photo 13 – Overview of the eastern section of the Phase 4 work area. Photo facing northeast.

<b>Completed by:</b>	Vince Semonsen
<b>Firm:</b>	Ecotech Resources, Inc.
<b>Date:</b>	10/12/20

<b>Reviewed by:</b>	Jeff Root
<b>Firm:</b>	Ecotech Resources, Inc.
<b>Date:</b>	10/12/20



## Mesa 500–kV Substation Project CPUC Site Inspection Form

<b>Project:</b>	Mesa 500-kV Substation Project	<b>Date:</b>	October 14, 2020
<b>Project Proponent:</b>	Southern California Edison (SCE)	<b>Report #:</b>	VS139
<b>Lead Agency:</b>	California Public Utilities Commission (CPUC)	<b>Monitor(s):</b>	Vince Semonsen
<b>CPUC PM:</b>	Connie Chen, Energy Division	<b>AM/PM Weather:</b>	Sunny, hot, and breezy
<b>WSP CM:</b>	Silvia Yanez	<b>Start/End time:</b>	1500 to 1700 hours
<b>Project NTP(s):</b>	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)

<b>Worker Environmental Awareness Program (WEAP) Training</b>	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		
<b>Erosion and Dust Control (Air and Water Quality)</b>	Yes	No	N/A
Have temporary erosion and sediment control measures (Best Management Practices [BMPs]) been installed?	X		
<b><i>Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?</i></b>	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		
<b>Equipment</b>	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 miles per hour on unpaved roads? <i>Except for the scrapers.</i>	X		
Are observed vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are observed vehicles/equipment turned off when not in use?	X		
<b>Work Areas</b>	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		
<b>Biology</b>	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	
<b>Cultural and Paleontological Resources</b>	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	
<b>Hazardous Materials</b>	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		
<b>Work Hours and Noise</b>	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 arrive onsite at 1200 hours and alerted Pete Lubich and Matt Daniele of my arrival. Mr. Daniele was not onsite and Avian Biologist Wayne Woodroof was overseeing work near the Environmentally Sensitive Area (ESA). Mr. Lubich did not respond to my text.

A Power Grade crew was working on the foundation of a new lattice steel tower near the project offices (Photo 1). The holes had been drilled and the rebar cages were in place. Foundation pouring would begin the following morning. I inquired about sealing the holes overnight and the foreman said they would be covered with plastic and sealed with soil.

Street sweepers were cleaning the public roadways around the project site and water trucks were spraying down the access roads within the work areas.

I traveled into the project site and observed the earthwork being performed by Power Grade. They had removed the asbestos contamination from additional portions of the 500-kilovolt (kV) substation area and were working the soil with two belly scrapers, two bulldozers, a motor grader, and a front loader (Photo 2). Nearby, several sealed containers were holding the contaminated material (Photo 3). By the Senior Mechanical Electrical Equipment Room (MEER), a Power Grade crewman was operating an excavator, loading soil into trucks to be transported to the retention basin (Photo 4). Newly broken up concrete foundation material remained onsite (Photo 5) and would eventually be transported and processed in the construction material staging area (Photo 6).

Professional Electrical Construction Services continued to erect the 500-kV substation infrastructure (Photo 7), and were backfilling conduit trenches along the transformer firewalls (Photo 8). Foundation installation was ongoing west of the transformer firewalls (Photo 9).

The eastern bioswale portion of the detention basin area appeared to be completed (Photo 10). In the western portion, dump trucks were delivering soil from the existing substation where machines would spread out and compact it into the basin (Photo 11).

No weed removal was observed and no BMP upgrades had yet been made.

Work around the transformer catch basin appeared to be completed (Photo 12).

Several crews were working within the ESA buffer area, installing new lattice steel towers and removing the existing ones (Photo 13). Mr. Woodroof was providing full-time monitoring while crews worked in the area.

**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)

Weed removal work and BMP upgrades where necessary.

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

The 2020/2021 rainy season would be starting soon; rainwater runoff issues should be evaluated.

**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
10/14/20	Mesa Substation		Photo 1 – Preparation for foundation pouring and lattice steel tower work near the project offices. Photo facing southwest.
10/14/20	Mesa Substation		Photo 2 – Large scale earthwork after the removal of hazardous materials. Photo facing west.
10/14/20	Mesa Substation		Photo 3 – Sealed bins holding contaminated material. Photo facing south.






**REPRESENTATIVE SITE PHOTOGRAPHS**


Date	Location	Photo	Description
10/14/20	Mesa Substation		Photo 4 – Soil removal near the Senior MEER building. Photo facing northwest.
10/14/20	Mesa Substation		Photo 5 – Excavated and broken up foundation material. Photo facing east.
10/14/20	Mesa Substation		Photo 6 – Stockpiled construction debris waiting to be transported and processed. Photo facing south.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
10/14/20	Mesa Substation		Photo 7 – 500-kV infrastructure being erected. Photo facing southeast.
10/14/20	Mesa Substation		Photo 8 – Conduit installation near the transformer firewalls. Photo facing south.
10/14/20	Mesa Substation		Photo 9 – Professional Electric Construction Services foundation work for the 500-kV substation. Photo facing south.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
10/14/20	Mesa Substation		Photo 10 – The eastern bioswale portion of the detention basin. Photo facing north.
10/14/20	Mesa Substation		Photo 11 – Compacting soil into the western portion of the retention basin. Photo facing northwest.
10/14/20	Mesa Substation		Photo 12 – Backfilling completed around the transformer catch basin. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
10/14/20	Mesa Substation		Photo 13 – Building a lattice steel tower near the ESA along the southeastern portion of the project site. Photo facing east.

<b>Completed by:</b>	Vince Semonsen
<b>Firm:</b>	Ecotech Resources, Inc.
<b>Date:</b>	10/20/20

<b>Reviewed by:</b>	Jeff Root
<b>Firm:</b>	Ecotech Resources, Inc.
<b>Date:</b>	10/20/20



## Mesa 500–kV Substation Project CPUC Site Inspection Form

<b>Project:</b>	Mesa 500-kV Substation Project	<b>Date:</b>	October 22, 2020
<b>Project Proponent:</b>	Southern California Edison (SCE)	<b>Report #:</b>	VS140
<b>Lead Agency:</b>	California Public Utilities Commission (CPUC)	<b>Monitor(s):</b>	Vince Semonsen
<b>CPUC PM:</b>	Connie Chen, Energy Division	<b>AM/PM Weather:</b>	Overcast and mild, with a slight breeze
<b>WSP CM:</b>	Silvia Yanez	<b>Start/End time:</b>	1100 to 1315 hours
<b>Project NTP(s):</b>	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)

<b>Worker Environmental Awareness Program (WEAP) Training</b>	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		
<b>Erosion and Dust Control (Air and Water Quality)</b>	Yes	No	N/A
Have temporary erosion and sediment control measures (Best Management Practices [BMPs]) been installed?		X	
<b><i>Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?</i></b>	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		
<b>Equipment</b>	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 miles per hour on unpaved roads? <i>Except for the scrapers.</i>	X		
Are observed vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are observed vehicles/equipment turned off when not in use?	X		
<b>Work Areas</b>	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		
<b>Biology</b>	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	
<b>Cultural and Paleontological Resources</b>	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	
<b>Hazardous Materials</b>	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		
<b>Work Hours and Noise</b>	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 1100 hours and met with Lead Environmental Inspector (LEI) Matt Daniele. Street sweepers were working to clean the public roadways around the project site and water trucks were spraying down the access roads within the work areas.

We headed into the project site via the Potrero Grande Drive entrance and drove to the detention basins. Pete Lubich was present and we discussed how the two detention basins would function. I asked how the system would function when the site was under construction when the intent of the structure would be to function after excavations were completed. I wanted to know how they would handle heavily sedimented water entering the basins. He said that the sediment would be captured in the work areas and would not travel into the basins. I discussed how the upcoming rainy season would affect the basins and if there was an erosion control plan in place that included BMPs. He said he would discuss it with the contractors at the next meeting.

Power Grade appeared to be near completion of the two detention basins (Photo 1).

I inspected the small triangular catch basin and noted large amounts of garbage with the sediment continuing to be present and requiring cleanup. The basin was supporting a stand of willow trees (Photo 2).

The weeds growing outside of the boundary fence north of the detention basin continued to require attention (Photo 3). Mr. Daniele said a crew was conducting weed removal throughout the project site and would work on this site soon.

The existing BMPs installed at the entrance to the California Department of Transportation (Caltrans) culvert needed to be removed and this area restored (Photo 4).

The BMPs along the outside of the southern boundary wall were in poor condition and needed to be removed and replaced, ideally with a new sediment control system (Photo 5). As observed in previous years, a large volume of runoff came from the southeastern portion of the project and regularly overwhelmed the straw wattle system allowing sediment laden water to run directly offsite. An improved sediment control plan is required for this area.

Lattice steel tower work continued at several locations along the Environmentally Sensitive Area (ESA) and Wayne Woodroof was overseeing this activity (Photo 6). He had regularly seen coastal California gnatcatchers (*Poliophtila californica*) in the area and reported the sightings.

Power Grade continued to move soil, actually over-excavating in some areas (Photo 7), while recompacting soil into other areas (Photo 8). Some of the soil was a greenish/black color; Mr. Daniele said it was organic material in the soil. The demolition of existing foundations continued with the material delivered to the stockpile area to be processed (Photo 9).

A Power Grade crew continued to build the boundary wall in the southeastern corner of the project (Photo 10).

Professional Electric Construction Services continued to erect the 500-kilovolt (kV) substation infrastructure. They were excavating, forming, and pouring foundations at numerous locations (Photos 11 and 12), and had been installing conduit near the northern boundary wall (Photo 13). The open excavations were covered with plastic sheeting.

**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)

Check on weed removal.

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

**We are now nearing the 2020/2021 rainy season so possible rainwater runoff issues should be evaluated.**

**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
10/22/20	Mesa Substation		Photo 1 – The detention basin was nearly complete. Photo facing northwest.
10/22/20	Mesa Substation		Photo 2 – The small triangular catch basin needed the sediment removed. Photo facing west.
10/22/20	Mesa Substation		Photo 3 – Weed removal was required. Photo facing east.



**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
10/22/20	Mesa Substation		Photo 4 – Existing BMPs near the Caltrans culvert needed to be removed. Photo facing south.
10/22/20	Mesa Substation		Photo 5 – Existing BMPs outside the southern boundary wall. Photo facing southwest.
10/22/20	Mesa Substation		Photo 6 – Lattice steel towers being installed along the southern boundary of the project site. Photo facing east.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
10/22/20	Mesa Substation		Photo 7 – Soil work being performed by a Power Grade crew. Photo facing south.
10/22/20	Mesa Substation		Photo 8 – Power Grade soil recompaction work. Photo facing southwest.
10/22/20	Mesa Substation		Photo 9 – Processing of construction materials. Photo facing west.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
10/22/20	Mesa Substation		Photo 10 – Installation of the boundary wall near the southeastern corner of the project site. Photo facing east.
10/22/20	Mesa Substation		Photo 11 – Phase 4 foundation work being performed by Professional Electric Construction Services. Photo facing west.
10/22/20	Mesa Substation		Photo 12 – Phase 4 foundation work being performed by Professional Electric Construction Services. The excavations were covered with plastic. Photo facing north.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
10/22/20	Mesa Substation		Photo 13 – Conduit installation along the northern boundary wall. Photo facing west.

<b>Completed by:</b>	Vince Semonsen
<b>Firm:</b>	Ecotech Resources, Inc.
<b>Date:</b>	10/27/20

<b>Reviewed by:</b>	Jeff Root
<b>Firm:</b>	Ecotech Resources, Inc.
<b>Date:</b>	10/28/20



## Mesa 500–kV Substation Project CPUC Site Inspection Form

<b>Project:</b>	Mesa 500-kV Substation Project	<b>Date:</b>	October 28, 2020
<b>Project Proponent:</b>	Southern California Edison (SCE)	<b>Report #:</b>	VS141
<b>Lead Agency:</b>	California Public Utilities Commission (CPUC)	<b>Monitor(s):</b>	Vince Semonsen
<b>CPUC PM:</b>	Connie Chen, Energy Division	<b>AM/PM Weather:</b>	Sunny and warm, with a slight breeze
<b>WSP CM:</b>	Silvia Yanez	<b>Start/End time:</b>	1400 to 1600 hours
<b>Project NTP(s):</b>	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)

<b>Worker Environmental Awareness Program (WEAP) Training</b>	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		
<b>Erosion and Dust Control (Air and Water Quality)</b>	Yes	No	N/A
Have temporary erosion and sediment control measures (Best Management Practices [BMPs]) been installed?		X	
<b><i>Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?</i></b>	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		
<b>Equipment</b>	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 miles per hour on unpaved roads? <i>Except for the scrapers.</i>	X		
Are observed vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are observed vehicles/equipment turned off when not in use?	X		
<b>Work Areas</b>	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		
<b>Biology</b>	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	
<b>Cultural and Paleontological Resources</b>	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	
<b>Hazardous Materials</b>	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		
<b>Work Hours and Noise</b>	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 sent a text to Pete Lubich and Lead Environmental Inspector (LEI) Matt Daniele, alerting them of my anticipated arrival time. Once onsite I observed a crew erecting a lattice steel tower near the construction trailers (Photo 1). Street sweepers continued to clean the public roadways around the project site and water trucks were spraying down the access roads within the work areas.

I met with Matt Daniele and we headed into the main project area. Most of the storm drain inlets were covered in filter fabric and ringed with gravel bags (Photo 2). Matt said this was performed in preparation for a rain event.

Conduit installation continued by Professional Electric Construction Services along the northern boundary wall (Photo 3).

Work at the detention basin included the addition of riprap at the storm drain inflow culvert into the basin (Photo 4). I again noted the water seeping out from under the southern slope of the bioswale area (Photo 5).

Mr. Daniele said a weeding crew was working around the project site and were now concentrating on the north facing slope along the north side of the detention basin. The weeding crew had already addressed the small triangular catch basin, removing the willow tree (Photo 6). The sediment in the basin continued to require cleanup prior to the rainy season.

We drove back along the southern boundary of the project site near the Environmentally Sensitive Area (ESA) area where an avian biologist was onsite overseeing the construction activities. The lattice steel towers had been erected and a wire pulling crew was stringing wire (Photo 7). Mr. Daniele said the nesting exclusion balls had been delivered and would be installed soon within the lattice steel towers to prevent raptor nesting.

Most of the parked equipment appeared to have adequate secondary containment (Photo 8).

Earthwork was being performed by Power Grade, as well as removal of the existing foundation materials within the Phase 4 portion of the site (Photo 9). The Professional Electric Construction Services crews continued to erect the new substation infrastructure (Photo 10). The existing foundation material was being processed and hauled offsite (Photo 11).

A Power Grade crew continued to build the boundary wall and lay brick in the southeastern corner of the project (Photo 12). A mortar mixing station was set up near the wall and appeared to be well contained (Photo 13).

Mr. Daniele and I noted some equipment had recently been maintained, leaving grease on the ground. He spoke to Craig Pernot, the Power Grade foreman, about the needed cleanup.

I walked through the Professional Electric Construction Services Phase 4 work area, noting the ongoing erection of the substation infrastructure (Photo 14), drainage installation (Photo 15), installation of grounding wire (Photo 16), and the ongoing foundation work (Photo 17). The crews had completed work for the day.

**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)

We are now nearing the 2020/2021 rainy season so possible rainwater runoff issues should be evaluated.

**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
10/28/20	Mesa Substation		Photo 1 – Erection of lattice steel towers near the construction trailers. Photo facing southwest.
10/28/20	Mesa Substation		Photo 2 – Storm drain inlets with BMPs.
10/28/20	Mesa Substation		Photo 3 – Conduit installation along the northern boundary wall. Photo facing west.




**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
10/28/20	Mesa Substation		Photo 4 – Work within the detention basin installing riprap. Photo facing north.
10/28/20	Mesa Substation		Photo 5 – Water seepage from the south slope of the bioswale. Photo facing east.
10/28/20	Mesa Substation		Photo 6 – The small triangular catch basin sediment needed to be removed. Photo facing north.




**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
10/28/20	Mesa Substation		Photo 7 – New lattice steel towers with a wire stringing crew. Photo facing east.
10/28/20	Mesa Substation		Photo 8 – Secondary containment appeared adequate.
10/28/20	Mesa Substation		Photo 9 – Soil work performed by a Power Grade crew. Photo facing west.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
10/28/20	Mesa Substation		Photo 10 – Overview of the eastern portion of the Phase 4 area. Photo facing northeast.
10/28/20	Mesa Substation		Photo 11 – Processing of construction materials. Photo facing north.
10/28/20	Mesa Substation		Photo 12 – Installation of the boundary wall near the southeastern corner of the project site. Photo facing east

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
10/28/20	Mesa Substation		Photo 13 – Mortar mixing station for the boundary wall work. Photo facing north.
10/28/20	Mesa Substation		Photo 14 – New substation infrastructure. Photo facing south.
10/28/20	Mesa Substation		Photo 15 – Earthwork within the Phase 4 area and drainage installation. Photo facing south.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
10/28/20	Mesa Substation		Photo 16 – Grounding wire installation around the transformer foundations. Photo facing north.
10/28/20	Mesa Substation		Photo 17 – Ongoing foundation work by Professional electric Construction Services within the Phase 4 area. Photo facing northwest.

<b>Completed by:</b>	Vince Semonsen
<b>Firm:</b>	Ecotech Resources, Inc.
<b>Date:</b>	11/03/20

<b>Reviewed by:</b>	Jeff Root
<b>Firm:</b>	Ecotech Resources, Inc.
<b>Date:</b>	11/04/20