



January 11, 2019

Lisa Orsaba  
Project Manager  
California Public Utilities Commission  
505 Van Ness Avenue  
San Francisco, CA 94102

**Re: Monthly Report Summary #14 for the Mesa 500-kV Substation Project**

Dear Ms. Orsaba,

This report provides a summary of the compliance monitoring activities that occurred during the period from **November 1 to 30, 2018**, for the Mesa 500-kilovolt (kV) Substation (Mesa Substation) Project in Los Angeles County, California. Compliance monitoring was performed to ensure that all project-related activities conducted by Southern California Edison (SCE) and their contractors comply with the requirements of the Final Environmental Impact Report (Final EIR) for the Mesa Substation Project, as adopted by the California Public Utilities Commission (CPUC) on February 9, 2017.

The CPUC has issued the following Notices to Proceed (NTPs) for the Mesa Substation Project to SCE:

- NTP #1 (September 27, 2017) – Vegetation removal and grading, water line relocation, Operating Industries Incorporated (OII) well removal, and various line relocations (transmission, subtransmission, distribution, and telecommunications).
- NTP #2 (November 15, 2017) – Remaining construction components, including vegetation removal and grading, and the removal, replacement, relocation, modification, and/or construction of perimeter and retaining walls, Mechanical Electrical Equipment Rooms (MEERs), operations and test and maintenance buildings, storm drains, lattice steel towers, various poles, underground trenches, concrete foundations, and associated components. Equipment modification at 29 satellite substations.

Onsite compliance monitoring by the Ecology and Environment, Inc. (E & E) compliance team during this reporting period focused on spot-checks of ongoing construction activities. Compliance Monitor Vince Semonsen visited the Mesa Substation construction sites on **November 1, 6, 14, and 26, 2018**. 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/E & E compliance team and SCE has been regular and effective; the correspondence discussed and documented compliance events, upcoming compliance-related surveys and deliverables, and the construction schedule. Agency calls between the CPUC/E & E and SCE, along with daily schedule updates and database notifications, provided additional compliance information and construction summaries. Furthermore, SCE's monthly compliance status report for November 2018, submitted to the CPUC on January 10, 2019, provided a compliance summary and included a description of construction activities from November 1 to 30, 2018, a detailed look-ahead construction schedule, a summary of compliance with Mesa Substation Project commitments (MMs/APMs) for biological resources, cultural and paleontological resources, the Storm Water Pollution Prevention Plan (SWPPP), noise, and the

Worker Environmental Awareness Program (WEAP), non-compliance issues and resolutions, and public complaints and notifications.

### **Compliance Incidents**

During the November 2018 reporting period, SCE did not self-report any compliance incidents.

During the November 2018 reporting period, the CPUC Compliance Monitor reported the following minor compliance concerns that did not reach a non-compliance level:

- Fugitive dust concerns at the conduit trenching spoil piles; crews sprayed the spoil piles to suppress the dust.
- Accumulated trash in the Highway 60 runoff channel.
- Accumulated trash and invasive Russian thistle along the telecommunications corridor south of Highway 60; the Russian thistle has since been removed.

### **Noise Compliance**

During the November 2018 reporting period, there were no exceedances of the stipulated noise levels.

### **Spills**

During the November 2018 reporting period, there were no documented spills.

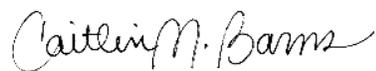
### **Public Concerns**

There were no public concerns during November 2018.

### **Minor Approvals**

During November 2018, there were no email or Minor Project Change approvals.

Sincerely,



Caitlin Barns  
Project Manager, Ecology and Environment, Inc.

cc:  
Lori Rangel, SCE  
Don Dow, SCE

# ATTACHMENT 1

CPUC Site Inspection Reports  
November 1, 6, 14, and 26, 2018



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

<b>Project:</b>	Mesa 500-kV Substation Project	<b>Date:</b>	November 1, 2018
<b>Project Proponent:</b>	Southern California Edison	<b>Report #:</b>	VS047
<b>Lead Agency:</b>	California Public Utilities Commission	<b>Monitor(s):</b>	Vince Semonsen
<b>CPUC PM:</b>	Lisa Orsaba, Energy Division	<b>AM/PM Weather:</b>	Partly cloudy, mild temps and a slight breeze
<b>E &amp; E CM:</b>	Caitlin Barns	<b>Start/End time:</b>	1200 – 1415 hrs
<b>Project NTP(s):</b>	NTP-1, NTP-2		

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

Worker Environmental Awareness Program (WEAP) Training	Yes	No	N/A
Is the WEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (BMPs) been installed?	X		
Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project’s SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, dirt piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 mph on unpaved roads? <b>Except for the belly scrappers.</b>	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		
<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)

Mesa Substation activities, the stormwater drainpipe installation, conduit installation work, and the Transmission Corridor work north of Potrero Grande Drive and south of Highway 60.

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

I arrived onsite at 1200 and informed Project Coordinator Pete Lubich (ULM Services) that I had arrived.

Insulation was being installed in the Senior MEER building roof. Concrete washout basins and rolls of insulation materials were staged nearby; the concrete washout bins were contained and covered – Photo 1.

Water trucks were applying water to access roads within the project site (APM-AIR-01, MM HY-1).

There were numerous foundation holes within the 220-kV rack area; the holes remained covered – Photo 2.

Storm Drain Line D has been mostly backfilled. Only the manhole location remains to be installed – Photo 3.

Jute netting has been installed along the eastern slopes of the detention basin – Photo 4. BMP installations along the north-facing slope near the Markland Hotel appear complete – Photo 5. The jute netting and BMPs appear to be installed correctly, and the area is ready for hydroseeding.

Conduit trenching areas remain open along the southern edge of the project site to Markland Drive – Photo 6. There is some fugitive dust from the trench spoils; dust suppression strategies would improve the fugitive dust issues. Lead Biological Monitor Wayne Woodroof (Noreas) was onsite (MM BR-1, APM-BIO-03, APM-BIO-04, APM-BIO-06, MM BR-2). We discussed the fugitive dust issues around the conduit trench spoils. I also contacted Pete Lubich (via text message) about the dust suppression needed on the trench spoils.

Paleontological Resources Monitor Olivia Tierk (Paleo Solutions) and Biological Monitors Linette Davenport (Borrego Biological) and Bob Huttar (Noreas) were also onsite. Linette Davenport was the approved Coastal California Gnatcatcher biologist onsite, and was observing grading activities near the sensitive Coastal California Gnatcatcher habitat area – Photo 10.

Drilling and concrete form installation work continues on the southern border “Combo Wall” – Photo 7.

Crews have installed riprap within a short stormwater drainage channel segment between the Highway 60 runoff channel and the newly installed onsite stormwater piping – Photo 8. There was accumulated trash in the Highway 60 runoff channel; Lead Biological Monitor Wayne Woodroof (Noreas) stated that he suggested that SCE install a trap to catch trash/material before it can enter the underground pipes.

An excavator with a breaker bar was removing rebar from the old concrete tower foundations so that the demolished material can be hauled offsite to be recycled – Photo 9.

Operations Building construction continues – Photo 11.

I observed the street sweeping that occurs several times per day; the street sweeping operator also swept the rumble plates at the various project entrances/exits – Photo 12.

I observed trash in the drainage channel that runs around the old Mesa Substation Site before reaching a dead end at the project entrance, where the water is pumped into the stormwater drainage system – Photo 13, Photo 14. I talked to Craig Pernot (Power Grade Safety Lead) about the trash and the handling of stormwater runoff.

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

All project personnel appear to have been WEAP trained (MM BR-5).  
See the MMs listed in the observed activities.

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

Fugitive dust control at conduit trenching spoils and general BMP maintenance.

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

Fugitive dust control at conduit trenching spoils and weed removal within the telecommunications corridor south of Highway 60, if feasible.

**COMPLIANCE SUMMARY**

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

- New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.
- Non-compliance – Level 1: An action that deviates from project requirements or results in the partial implementation of the mitigation measures, but has not caused, or has the potential to cause impacts on environmental resources. If you checked this box, describe the incident below and follow-up to ensure correction.
- Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report.
- Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, notice to proceed), and/or violates local, state, or federal law. Examples include irreparable damage to archaeological sites, destruction of active bird nests, and grading of unapproved vegetated areas. A non-compliance Level 3 may also be issued if Level 2 incidents are repeated. If you checked this box, please fill out a Non-Compliance Report.

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

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

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

N/A

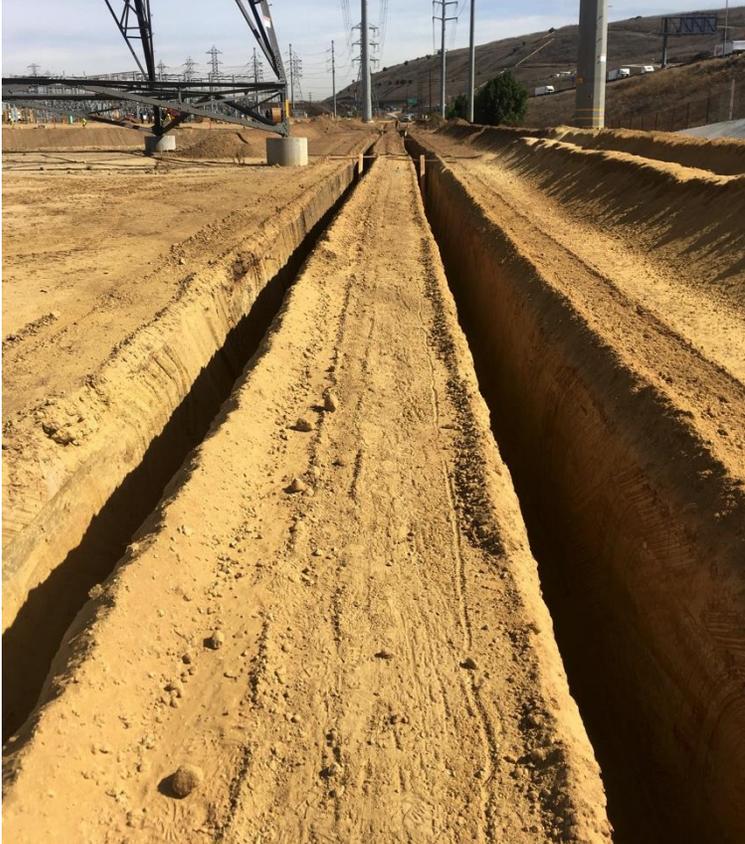
**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
11/01/18	Mesa substation		Photo 1 – Staged insulation, to be installed in the Senior MEER roof. Photo facing south
11/01/18	Mesa substation		Photo 2 – Tower foundation holes, appropriately covered with plywood (with dirt sealing the edges of the plywood), and labeled within the 220-kV rack area. Photo facing south

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
11/01/18	Mesa substation		Photo 3 – Manhole work at Storm Drain Line D. Photo facing south
11/01/18	Mesa substation		Photo 4 – Jute installation on the slopes of the detention basin. Photo facing east
11/01/18	Mesa substation		Photo 5 – BMPs installations near the Markland (western) end of the project area appear complete. Photo facing west

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
11/01/18	Mesa substation		<p>Photo 6 –Conduit trenches remain open, but escape ramps/structures are in place; fugitive dust control methods (water) should be applied to suppress trench spoil dust. Photo facing east</p>
11/01/18	Mesa substation		<p>Photo 7 – Work continues on the southern boundary “combo wall”. Photo facing east</p>

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
11/01/18	Mesa Substation		<p>Photo 8 – Riprap installation to be completed between the Highway 60 storm drain (offsite) and the onsite storm water drainage system. Photo facing east</p>
11/01/18	Mesa Substation		<p>Photo 9 – Crews are demolishing old tower foundations. Photo facing east</p>
11/01/18	Mesa Substation		<p>Photo 10 – The graded area along the sensitive Coastal California Gnatcatcher habitat area. Photo facing southwest</p>

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
11/01/18	Mesa Substation		Photo 11 – Work continues at the Operations Building. Photo facing northwest
11/01/18	Mesa substation		Photo 12 – Crew cleaning the rumble plates at the eastern entrance to the project site. Photo facing east
11/01/18	Mesa substation		Photo 13 – Accumulated trash and sediment in the drainage channel running along the outside of the old substation.

**REPRESENTATIVE SITE PHOTOGRAPHS**

<b>Date</b>	<b>Location</b>	<b>Photo</b>	<b>Description</b>
11/01/18	Mesa substation		Photo 14 – Old drainage channel that dead-ends at the project entrance. Photo facing west



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

<b>Project:</b>	Mesa 500-kV Substation Project	<b>Date:</b>	November 6, 2018
<b>Project Proponent:</b>	Southern California Edison	<b>Report #:</b>	VS048
<b>Lead Agency:</b>	California Public Utilities Commission	<b>Monitor(s):</b>	Vince Semonsen
<b>CPUC PM:</b>	Lisa Orsaba, Energy Division	<b>AM/PM Weather:</b>	Clear & sunny, mild temps w/ a slight breeze
<b>E &amp; E CM:</b>	Caitlin Barns	<b>Start/End time:</b>	1045 – 1300 hrs
<b>Project NTP(s):</b>	NTP-1, NTP-2		

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

Worker Environmental Awareness Program (WEAP) Training	Yes	No	N/A
Is the WEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (BMPs) been installed?	X		
Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, dirt piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 mph on unpaved roads? <b>Except for the belly scrappers.</b>	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		
<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)

Mesa Substation activities, the stormwater drainpipe installation, conduit installation activities, transmission corridor activities north of Potrero Grande Drive and south of Highway 60.

**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 1045 and notified Project Coordinator Pete Lubich (ULM Services, Inc.) that I was onsite.

Senior MEER construction activities continue; crews appear to be installing roof insulation materials – Photo 1.

Water trucks were applying water to access roads within the project site for dust suppression (APM-AIR-01, MM HY-1).

Crews were installing foundations within the 220-kV rack area. The drilled holes now have a rebar cage in them and will be poured soon. – Photo 2.

Jute netting installation continues within the detention basin; installation progress is similar to the progress documented on the 11/1/2018 site visit – Photo 3.

The conduit trench excavations remain open along the project site to Markland Drive (western edge of project area) – Photo 4. There is fugitive dust from the trench spoils, which should be sprayed with water for dust suppression, as previously requested.

In the trenches, some conduit has been installed. Trench areas with installed conduit were being slurried and backfilled – Photo 7.

Biological monitor Wayne Woodroof (Noreas) was onsite. Wayne indicated that the jute netting crew had been relocated to prioritize activities at another area in the project site. I re-emphasized the need for dust suppression on the conduit trench spoils and texted Pete Lubich about this issue.

Work continues on the southern border “combo wall”; crews are installing the concrete form – Photo 5.

Riprap had been installed within a short stormwater drainage channel section between the Highway 60 runoff channel and the newly installed onsite stormwater drainage system – Photo 6.

I discussed the spoils dust control concerns with lead biological monitor Matt Daniele (ICF), who stated that he would bring up the issue at the midday tailboard meeting.

Operations Building construction continues with no compliance issues – Photo 8.

Final grading and restoration activities are underway along the telecommunications corridor north of Potrero Grande Drive; I texted Pete Lubich about the need for some dust suppression in this area. Wattles are appropriately installed along the western end of this area – Photo 9. The existing drain inlet located at the base of the steep, wattle-covered slope has been covered with soil and wattles – Photo 10.

There is substantial accumulated trash and invasive Russian thistle along the telecommunications corridor south of Highway 60 – Photo 11. From the telecommunications corridor, I observed a water truck applying water to the conduit trench spoils.

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

All project personnel appear to have been WEAP trained (MM BR-5).  
See the MMs listed in the observed activities.

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

Dust control and BMP maintenance.

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

Weed removal within the telecommunications corridor south of Highway 60.

**COMPLIANCE SUMMARY**

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

- New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.
- Non-compliance – Level 1: An action that deviates from project requirements or results in the partial implementation of the mitigation measures, but has not caused, or has the potential to cause impacts on environmental resources. If you checked this box, describe the incident below and follow-up to ensure correction.
- Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report.
- Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, notice to proceed), and/or violates local, state, or federal law. Examples include irreparable damage to archaeological sites, destruction of active bird nests, and grading of unapproved vegetated areas. A non-compliance Level 3 may also be issued if Level 2 incidents are repeated. If you checked this box, please fill out a Non-Compliance Report.
- Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

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

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

<b>REPRESENTATIVE SITE PHOTOGRAPHS</b>			
Date	Location	Photo	Description
11/06/18	Mesa substation		Photo 1 –Senior MEER building construction. Photo facing south
11/06/18	Mesa substation		Photo 2 – The previously covered tower foundation holes now have rebar cages installed. Concrete will be poured for the foundations. Photo facing south

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
11/06/18	Mesa substation		Photo 3 – Jute netting installation along detention basin slopes. Photo facing north
11/06/18	Mesa substation		Photo 4 – Open conduit trench near the southwestern portion of the project site. Photo facing west
11/06/18	Mesa substation		Photo 5 – Work on the southern boundary “combo wall”. Photo facing southeast

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
11/06/18	Mesa substation		Photo 6 – Riprap installation between the offsite Highway 60 drain and the newly installed onsite stormwater drainage system is complete. Photo facing southeast
11/06/18	Mesa substation		Photo 7 – Crews are backfilling along the conduit trench. Photo facing east
11/06/18	Mesa Substation		Photo 8 – Operations Building work. Photo facing southwest

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
11/06/18	Mesa Substation, area north of Potrero Grande.		Photo 9 – Final restoration and BMP installations within the telecommunications corridor. Photo facing west
11/06/18	Mesa Substation, area north of Potrero Grande.		Photo 10 – A street drain covered by dirt and wattles.

**REPRESENTATIVE SITE PHOTOGRAPHS**

<b>Date</b>	<b>Location</b>	<b>Photo</b>	<b>Description</b>
11/06/18	Mesa Substation	 A photograph showing a telecommunications corridor. In the foreground, there are several metal structures, possibly part of a tower or antenna array, on a dirt ground. There is some trash, including a white plastic bag, and some weeds. In the background, there are hills and some residential buildings under a clear blue sky.	Photo 11 – Trash and weeds within the telecommunications corridor south of Highway 60. Photo facing southwest



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

<b>Project:</b>	Mesa 500-kV Substation Project	<b>Date:</b>	November 14, 2018
<b>Project Proponent:</b>	Southern California Edison	<b>Report #:</b>	VS049
<b>Lead Agency:</b>	California Public Utilities Commission	<b>Monitor(s):</b>	Vince Semonsen
<b>CPUC PM:</b>	Lisa Orsaba, Energy Division	<b>AM/PM Weather:</b>	Sunny & warm w/ a slight breeze
<b>E &amp; E CM:</b>	Caitlin Barns	<b>Start/End time:</b>	1115 – 1330 hrs
<b>Project NTP(s):</b>	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 (BMPs) been installed?	X		
Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, dirt piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures in place to stabilize soils and effectively suppress fugitive dust?	X		
<b>Equipment</b>	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 mph on unpaved roads? <b>Except for the belly scrapers.</b>	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 stormwater drainpipe installation, conduit installation work, and the Transmission Corridor north of Potrero Grande Drive and south of Highway 60.

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

Before entering the project site, I drove past the telecommunications corridor south of Highway 60 and noticed that the invasive Russian thistle had been removed and the trash had been picked up.

I arrived onsite at 1115 and notified Project Coordinator Pete Lubich (ULM Services, Inc.) that I had arrived.

Roof insulation installation continues on the Senior MEER building; crews are now beginning work on the building interior – Photo 1.

Water trucks were applying water to access roads within the project site for dust suppression (APM-AIR-01, MM HY-1).

Foundation installation continues in the 220-kV rack area, with rebar cages and associated bolt attachment systems surrounding numerous holes – Photo 2. The holes were uncovered and it is unclear if they were covered overnight (there were no tarps in the area). Many foundations had already been poured with concrete. I asked lead biological monitor Matt Daniele (ICF) when the remaining foundations would be poured, and reminded him that they should be covered overnight to prevent wildlife from becoming entrapped. – Photo 3.

Crews have made progress on the jute netting installation along the detention basin slopes – Photo 4.

Conduit installation has reached the western end of the project site near Markland Drive – Photo 5. The conduit trenches remain open and there are no longer fugitive dust issues associated with the conduit trench spoil piles (the spoil piles have a crust on them from the previous dust suppression spraying). Portions of the conduit trenches are being slurried in/near the 66-kV rack area – Photo 6. Crews were also conducting conduit work by the Marketplace, and the former Marketplace HDD location – Photo 9.

A motor grader and a belly scraper are finalizing grading activities at the restored portions of the conduit trench along the southern portion of the project – Photo 8. I contacted Qualified SWPPP Practitioner (QSP) Lucy Cortez-Johnson regarding concerns that rainwater may run off across the site; we made a plan to meet during my next site visit.

Work continues on the southern border “combo wall.” Crews are stripping the concrete forms after pouring a portion of the wall form – Photo 7.

Lead Biological Monitor Matt Daniele (ICF) stated that both Bob Huttar (Noreas) and Angela Johnson were onsite today.

Operations Building construction continues with no observed compliance issues – Photo 10.

I walked by the telecommunications corridor north of Potrero Grande and noted that the existing drain inlet located at the base of the steep, wattle-covered slope was still covered. I will discuss this with Lucy Cortez-Johnson, the Qualified SWPPP Practitioner (QSP).

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

All project personnel appear to have been WEAP trained (MM BR-5).  
See the MMs listed in the observed activities.

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

BMP maintenance and site drainage, including concerns regarding the drain inlet located at the base of the steep, wattle-covered slope.

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

**COMPLIANCE SUMMARY**

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

- New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.
- Non-compliance – Level 1: An action that deviates from project requirements or results in the partial implementation of the mitigation measures, but has not caused, or has the potential to cause impacts on environmental resources. If you checked this box, describe the incident below and follow-up to ensure correction.
- Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report.
- Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, notice to proceed), and/or violates local, state, or federal law. Examples include irreparable damage to archaeological sites, destruction of active bird nests, and grading of unapproved vegetated areas. A non-compliance Level 3 may also be issued if Level 2 incidents are repeated. If you checked this box, please fill out a Non-Compliance Report.
- Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

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

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

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
11/14/18	Mesa substation		Photo 1 – Senior MEER building construction. Photo facing south

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
11/14/18	Mesa substation		<p>Photo 2 – Previously covered foundation holes now have rebar cages installed; the foundation holes will be poured soon. Photo facing south</p>
11/14/18	Mesa substation		<p>Photo 3 – Numerous foundations poured within the 220-kV rack area. Photo facing north</p>
11/14/18	Mesa substation		<p>Photo 4 – Jute installation continues on the banks of the detention basin. Photo facing northwest</p>

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
11/14/18	Mesa substation		<p>Photo 5 – Open conduit trenches near the western end of the project site. Photo facing west</p>
11/14/18	Mesa substation		<p>Photo 6 – Backfilling work on the conduit trench as it approaches the 66-kV rack area.</p>
11/14/18	Mesa substation		<p>Photo 7 – Work on the southern boundary “combo wall”. Photo facing southwest</p>

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
11/14/18	Mesa Substation		Photo 8 – Final grading upon completion of conduit backfilling work. Photo facing east
11/14/18	Mesa Substation.		Photo 9 – Open conduit trench at the Marketplace HDD bore site. Photo facing southwest
11/14/18	Mesa Substation.		Photo 10 – Operations Building work. Photo facing north



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

<b>Project:</b>	Mesa 500-kV Substation Project	<b>Date:</b>	November 26, 2018
<b>Project Proponent:</b>	Southern California Edison	<b>Report #:</b>	VS050
<b>Lead Agency:</b>	California Public Utilities Commission	<b>Monitor(s):</b>	Vince Semonsen
<b>CPUC PM:</b>	Lisa Orsaba, Energy Division	<b>AM/PM Weather:</b>	Sunny & calm w/ mild temps
<b>E &amp; E CM:</b>	Caitlin Barns	<b>Start/End time:</b>	1300 – 1530 hrs
<b>Project NTP(s):</b>	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 (BMPs) been installed?	X		
Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, dirt piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures in place to stabilize soils and effectively suppress fugitive dust?	X		
<b>Equipment</b>	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 mph on unpaved roads? <b>Except for the belly scrapers.</b>	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 stormwater drainpipe installation, conduit installation work, and the transmission corridor work north of Potrero Grande Drive and south of Highway 60.

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

I arrived onsite at 1300 and notified Project Coordinator Pete Lubich (ULM Services, Inc.) that I had arrived.

I had previously arranged to meet Qualified SWPPP Practitioner (QSP) Lucy Cortez-Johnson onsite because a storm is predicted later this week. We toured the site and discussed BMP installations and possible rainwater runoff and sediment control issues. She said that the site received approximately 0.4 inches of rain last week; crews were still resolving some rainwater runoff issues relating to that rain event.

The detention basin had some rilling under the jute netting from rainwater that had ran down the steep slopes – Photo 1. Lucy Cortez-Johnson, QSP, said that installing straw wattles in the shallow trench at the top of the slopes may help minimize this issue.

We inspected the drainage channel that flows into the site from Highway 60. The riprap appeared stable, but there was trash entering the drainage system from offsite – Photo 2.

We discussed the path of any water flows coming onsite from near the Marketplace; it appeared as if water may run through the construction site before turning south toward the offsite drain. We agreed that a BMP installation, such as a soil berm, is needed to help redirect runoff toward the detention basin.

The telecommunications area north of Potrero Grande Drive has BMPs installed, but it has not yet been hydroseeded. Rainwater runoff from a previous storm caused some rilling within this area, and some sediment eroded into the “V” ditches – Photo 3. QSP Lucy Cortez-Johnson said that she would talk to crews about removing the sediment and upgrading the BMPs in this area.

I observed construction activities at the Senior MEER, where crews have been installing the walls – Photo 4.

A crew was pumping rainwater runoff out of trenches and into a water buffalo (water trailer); crews used this water to spray site-wide for fugitive dust suppression – Photo 5. There is some runoff remaining in one of the foundation trenches – Photo 6.

Foundation installation in the 220-kV rack area continues; numerous open holes now have rebar cages and bolt attachment systems installed – Photo 7. I reminded biological monitor Wayne Woodroof (Noreas) to ensure that the foundation holes are covered up if concrete is not poured today.

A crew continued to drill foundation holes within the 220-kV rack area – Photo 8.

Operations Building construction continues with no observed compliance issues.

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

All project personnel appear to have been WEAP trained (MM BR-5).  
See the MMs listed in the observed activities.

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

BMP maintenance and site drainage.

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

**COMPLIANCE SUMMARY**

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

- New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.
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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
11/26/18	Mesa substation		Photo 1 – Jute netting installed on the banks of the detention basin. Photo facing south
11/26/18	Mesa substation		Photo 2 – Drainage channel that drains outside from Highway 60.

**REPRESENTATIVE SITE PHOTOGRAPHS**

Date	Location	Photo	Description
11/26/18	Mesa substation Telecommunications corridor north of Potrero Grande		Photo 3 – The “v”-ditches have filled with sediment. Photo facing north
11/26/18	Mesa substation		Photo 4 –Senior MEER building construction. Photo facing south
11/26/18	Mesa substation		Photo 5 – Crews pumping water out of trenches. Photo facing west

**REPRESENTATIVE SITE PHOTOGRAPHS**

<b>Date</b>	<b>Location</b>	<b>Photo</b>	<b>Description</b>
11/26/18	Mesa substation		Photo 6 – Trenches with rainwater runoff in the 220-kV rack area. Photo facing south
11/26/18	Mesa substation		Photo 7 – Open foundation holes in the 220-kV rack area with rebar and forms installed. Photo facing south

**REPRESENTATIVE SITE PHOTOGRAPHS**

<b>Date</b>	<b>Location</b>	<b>Photo</b>	<b>Description</b>
11/26/18	Mesa Substation		Photo 8 – Drilling foundation holes within the 220-kV rack area. Photo facing south