



March 15, 2021

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

Re: Monthly Report Summary #36 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 **September 1 to 30, 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 **September 3, 17, 23, and 30, 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 non-compliance incidences occurred during the period from September 1 to 30, 2020; however, overall, the Mesa Substation Project has maintained compliance with the Mitigation Monitoring, Compliance, and Reporting Program's (MMCRP) Compliance Plan. Communication between the CPUC/WSP compliance team and SCE has been regular and effective; the correspondence pertained to and documented compliance events, upcoming compliance-related surveys and deliverables, and the construction schedule. Agency calls between the CPUC/WSP and SCE, along with daily schedule updates and automated database notifications from SCE, provided additional compliance information and

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construction summaries. Furthermore, SCE's monthly compliance status report for September 2020 provided a compliance summary and included a description of construction activities from September 1 to 30, 2020, a detailed look-ahead construction schedule, a summary of compliance with Mesa Substation Project commitments (i.e., the MMs/APMs) for biological resources, cultural and paleontological resources, the Storm Water Pollution Prevention Plan (SWPPP), noise, and the Worker Environmental Awareness Program (WEAP), non-compliance issues and resolutions, and public complaints and notifications.

Compliance Incidents

No compliance incidences occurred during the September 2020 reporting period.

Noise Compliance

No noise exceedances occurred during the September 2020 reporting period.

Spills

No spills were reported during the September 2020 reporting period.

Public Concerns

No public concerns were raised during the September 2020 reporting period.

Minor Project Changes

No Minor Project Changes occurred during the September 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
September 3, 17, 23, and 30, 2020



Mesa 500-kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	September 3, 2020
Project Proponent:	Southern California Edison (SCE)	Report #:	VS134
Lead Agency:	California Public Utilities Commission (CPUC)	Monitor(s):	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	AM/PM Weather:	Sunny, hot, and breezy
WSP CM:	Silvia Yanez	Start/End time:	1445 to 1615 hours
Project NTP(s):	Notice to Proceed (NTP)-1, NTP-2		

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

Worker Environmental Awareness Program (WEAP) Training	Yes	No	N/A
Is the WEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (Best Management Practices [BMPs]) been installed?	X		
<i>Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?</i>	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's Storm Water Pollution Prevention Plan (SWPPP)?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, soil piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 miles per hour on unpaved roads? <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		
Work Areas	Yes	No	N/A
Is vegetation disturbance within work areas minimized?	X		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?	X		
Are observed vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		
Are excavations and trenches covered at the end of the day?	X		

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

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

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

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

I arrived onsite at 1445 hours and met with Environmental Inspector Wayne Woodroof. Street sweepers were observed along the public roads as crews were leaving the site for the day.

We entered the site through the northern gate because earth work was underway at the eastern entrance (Photo 1). Several water trucks were performing dust control throughout the site.

Within the construction zone for the 500-kilovolt (kV) rack area there were several areas taped off due to hazardous materials. Shade canopies were erected due to excessive heat for crews (Photo 2).

Crews were completing work for the day and some of the equipment was parked onsite. I checked on the secondary containment and several pieces of equipment did not have any drip pans underneath them (Photo 3). I mentioned this to Mr. Woodroof and he said a crew goes around at the end of the day and replaces the drip pans. Later on my site visit, I observed the crew checking for secondary containment and placing them when they were absent.

The Phase 4 work being completed by Professional Electrical Construction Services included foundation work. Some of the excavated foundation areas had climbing structures in them (Photo 4) and some had been covered over with plastic sheeting (Photo 5). Mr. Woodroof and I discussed the placement of the climbing structures; they were best placed against the sidewalls of the excavation. We both acknowledged that, due to the extent of the construction, few animals were observed within the project site. Phase 4 work on the transformer foundations continued (Photo 6). Boards and climbing structures were placed in the transformer excavations.

Power Grade work continued with the breakup of concrete and asphalt (Photo 7); this material was being hauled offsite. The crew were removing the existing tower foundations resulting in large deep holes (Photo 8). These holes were taped off and left with an earthen ramp to allow animals to escape. Work continued on the northern wall with crews building the upper portion of the wall with brick (Photo 9).

Lastly, Power Grade continued to build the new bioswale, adding pipe and filter fabric. Water seeping continued into the southeastern corner of the bioswale (Photo 10). Soil was being delivered into the western portion of the existing detention basin; excavation of the drainage culvert was still required (Photo 11).

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

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

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

Check on the excavation and installation of the bioswale drainpipe.

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

COMPLIANCE SUMMARY




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

- New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.
- Non-compliance Level 1: An action that deviates from project requirements or results in the partial implementation of the mitigation measures, but has not caused, or has the potential to cause impacts on environmental resources. If you checked this box, describe the incident below and follow-up to ensure correction.
- Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report.
- Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the 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
9/03/20	Mesa Substation		Photo 1 – Excavation and compaction of soil was underway near the eastern entrance to the project site. Photo facing southeast.
9/03/20	Mesa Substation		Photo 2 – Areas where hazardous materials were stored were taped off with shade tents in place due to excessive heat. Photo facing west.
9/03/20	Mesa Substation		Photo 3 – A drip pan needed to be moved under the parked equipment.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/03/20	Mesa Substation		Photo 4 – Phase 4 foundation work with wildlife ramps present. Photo facing east.
9/03/20	Mesa Substation		Photo 5 – Phase 4 foundation work with excavation covered in plastic. Photo facing south.
9/03/20	Mesa Substation		Photo 6 – Phase 4 foundation work for the 500-kV transformers. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
9/03/20	Mesa Substation		Photo 7 – Breakup of concrete and asphalt to be hauled offsite. Photo facing east.
9/03/20	Mesa Substation		Photo 8 – Holes left by the foundation removal. Photo facing north.
9/03/20	Mesa Substation		Photo 9 – Power Grade work on the northern wall laying brick. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
9/03/20	Mesa Substation		Photo 10 – Installation of the new bioswale. Water seepage continued to occur. Photo facing north.
9/03/20	Mesa Substation		Photo 11 – Detention basin work. Excavation of the drainage culvert still needed to be completed. Photo facing north.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	9/06/20

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	9/07/20



Mesa 500–kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	September 17, 2020
Project Proponent:	Southern California Edison (SCE)	Report #:	VS135
Lead Agency:	California Public Utilities Commission (CPUC)	Monitor(s):	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	AM/PM Weather:	Sunny, hot, and calm
WSP CM:	Silvia Yanez	Start/End time:	1100 to 1300 hours
Project NTP(s):	Notice to Proceed (NTP)-1, NTP-2		

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

Worker Environmental Awareness Program (WEAP) Training	Yes	No	N/A
Is the WEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (Best Management Practices [BMPs]) been installed?	X		
<i>Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?</i>	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's Storm Water Pollution Prevention Plan (SWPPP)?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, soil piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 miles per hour on unpaved roads? <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		
Work Areas	Yes	No	N/A
Is vegetation disturbance within work areas minimized?	X		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?	X		
Are observed vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		
Are excavations and trenches covered at the end of the day?	X		

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

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

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

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

I arrived onsite at 1100 hours and met with Lead Environmental Inspector (LEI) Matt Daniele. A street sweeper was working along Potrero Grande Drive outside of the Potrero entrance. Water trucks were minimizing dust throughout the site.

Our first stop was at the northern boundary wall construction area. A small crew continued to lay brick and a mortar mixing station was nearby (Photo 1). Mr. Daniele said he had been concerned about the spilled cement and the general lack of tidiness around the work area, but the site was in better condition. I offered to speak with the project staff about these issues.

We drove through the newly constructed rack areas where much of the 500-kilovolt (kV) equipment was being stored and assembled (Photo 2).

The gate was open along the southern boundary wall and I observed the drainage area leading into the California Department of Transportation (Caltrans) culvert. BMPs installed several years ago continued to be in place and needed to be removed so the area could be restored before the upcoming rainy season (Photo 3). The small triangular catch basin located in the northwestern corner of the project site was filled with sediments and needed to be cleaned out before the rainy season (Photo 4).

Power Grade continued to build the new bioswale with a crew applying shotcrete to the slopes of the swale (Photo 5). The concrete pumper equipment lacked any secondary containment underneath it and Mr. Daniele spoke to the crew about rectifying this (Photo 6). The concrete trucks were washing out in a nearby plastic covered dumpster (Photo 7). Power Grade crews were working on the overflow basin and had excavated the existing corrugated drainpipe (Photo 8). The drainpipe connection was deep and shoring was in place (Photo 9). According to Power Grade Superintendent Craig Pernot, no problems were discovered around the existing drainpipe.

The debris grinding equipment was being washed and hauled offsite (Photo 10). According to Mr. Daniele, grinding operation had ceased because asbestos was discovered in the debris piles, so the remaining material would be handled by a hazardous waste crew.

The Phase 4 work being completed by Professional Electrical Construction Services continued with the new 500-kV structures being erected (Photo 11). Foundation installation work continued (Photo 12). The Phase 4 construction effort appeared well maintained and Mr. Daniele felt the Professional Electrical Construction Services crews were doing well with maintaining the cleanliness of their work areas and achieving compliance.

Some Power Grade equipment continued to remove and breakup the remaining existing substation foundation (Photo 13). Some deep holes and trenches are located within the existing foundations that could trap animals. I pointed this out to Mr. Daniele and he was going to address it.

Finally, there were several areas that remained taped off where hazardous materials and equipment were stored (Photo 14).

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

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

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

Check on the excavation and installation of the bioswale drainpipe.

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
9/17/20	Mesa Substation		Photo 1 – Mortar mixing station for the brick laying work on the northern boundary wall. Photo facing northeast.
9/17/20	Mesa Substation		Photo 2 – 500-kV equipment was stored and assembled in the new rack areas. Photo facing west.
9/17/20	Mesa Substation		Photo 3 – Existing BMPs remained at the entrance to the Caltrans concrete culvert. Photo facing west.

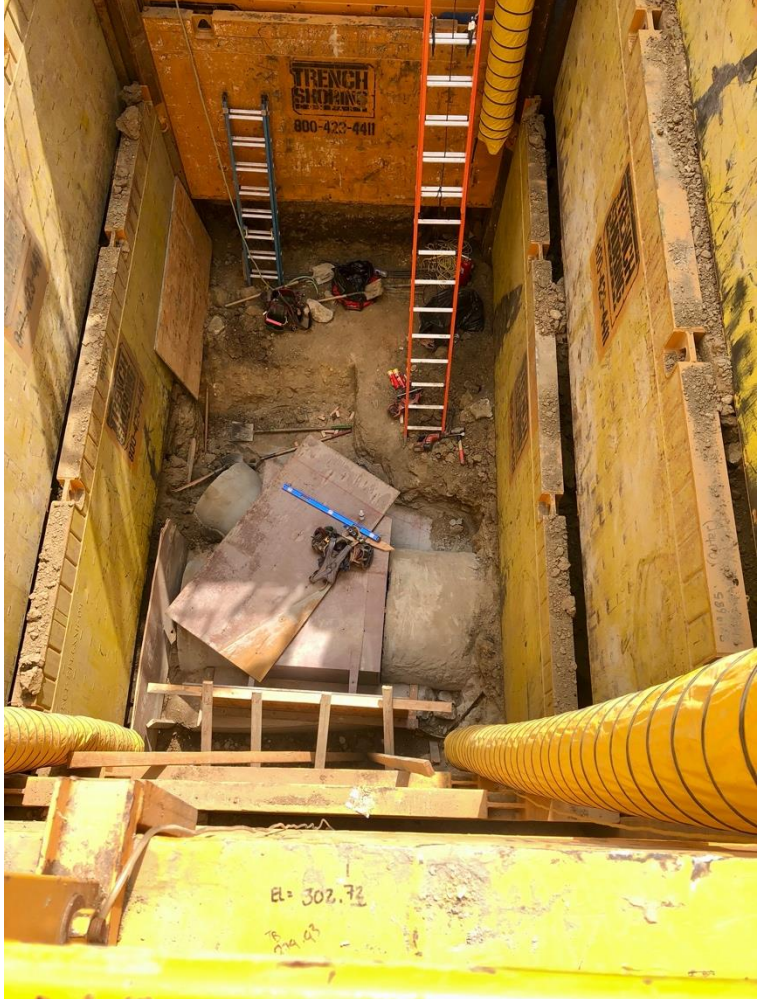

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
9/17/20	Mesa Substation		<p>Photo 4 – The small triangular catch basin remained was full of sediment and should be cleaned out before the next rainy season. Photo facing northwest.</p>
9/17/20	Mesa Substation		<p>Photo 5 – Shotcrete being applied to the slopes of the new bioswale area. Photo facing north.</p>
9/17/20	Mesa Substation		<p>Photo 6 – Concrete pumping equipment without any secondary containment. Photo facing west.</p>




REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
9/17/20	Mesa Substation		Photo 7 – Concrete washout location. Photo facing southwest.
9/17/20	Mesa Substation		Photo 8 – Work on the new rainwater catch basin. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
9/17/20	Mesa Substation		Photo 9 – Deep, well-shored excavation down to the drain outflow pipe.
9/17/20	Mesa Substation		Photo 10 – Grinding equipment being washed and readied for removal from the site. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
9/17/20	Mesa Substation		Photo 11 – Phase 4 work continued with the erection of the 500-kV infrastructure. Photo facing north.
9/17/20	Mesa Substation		Photo 12 – Phase 4 foundation work. Photo facing south.
9/17/20	Mesa Substation		Photo 13 – Excavator with a breaker bar continued to remove the existing substation foundation. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
9/17/20	Mesa Substation		Photo 14 – Taped off areas remained within the existing substation footprint where hazardous materials and equipment were stored. Photo facing east.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	9/21/20

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	9/22/20



Mesa 500–kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	September 23, 2020
Project Proponent:	Southern California Edison (SCE)	Report #:	VS136
Lead Agency:	California Public Utilities Commission (CPUC)	Monitor(s):	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	AM/PM Weather:	Sunny, very warm, and calm
WSP CM:	Silvia Yanez	Start/End time:	1300 to 1445 hours
Project NTP(s):	Notice to Proceed (NTP)-1, NTP-2		

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

Worker Environmental Awareness Program (WEAP) Training	Yes	No	N/A
Is the WEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (Best Management Practices [BMPs]) been installed?	X		
<i>Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?</i>	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's Storm Water Pollution Prevention Plan (SWPPP)?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, soil piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 miles per hour on unpaved roads? <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		
Work Areas	Yes	No	N/A
Is vegetation disturbance within work areas minimized?	X		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?	X		
Are observed vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		

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

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

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

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

I arrived onsite at 1300 hours and met with Lead Environmental Inspector (LEI) Matt Daniele.

We entered the project site through the Potrero Grande Drive entrance and headed toward the retention basin work. It appeared that most of the northern wall work had been completed (Photo 1). According to Mr. Daniele, they were delivering excess soil to fill in the area in front of the wall.

Only a small crew was working at the bioswale and retention basin. The application of shotcrete continued on the banks of the bioswale (Photo 2), and the crew was working on the drain inlet at the west end of the retention basin (Photo 3). The drain inlet work required extensive shoring to provide safe working conditions (Photo 4).

Work on the stormwater drainage pipe system continued at various locations throughout the project site. One of the drain inlets had a sloped side wall to allow for wildlife to exit the excavation (Photo 5). Crews had installed some boards as climbing structures. This was well intentioned, but would not be useful for wildlife because the board placement was too steep and a sloped sidewall was already in place.

Earthwork continued within the area slated for the new 500-kilovolt (kV) substation (Photo 6). Work had begun on extending the eastern boundary wall, beginning with the excavation for the footings (Photo 7). Large piles of stockpiled construction debris remained onsite (Photo 8).

Power Grade continued to encounter the contaminated soils found under the existing substation, with many areas taped off (Photo 9).

The Phase 4 work being completed by Professional Electrical Construction Services continued with some of the new 500-kV structures being erected (Photo 10). Firewalls were constructed in between the transformers (Photo 11). The Professional Electrical Construction Services crew was also working on the foundation installation work (Photo 12).

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

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

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

Check on the excavation and installation of the bioswale drainpipe.

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
9/23/20	Mesa Substation		Photo 1 – The northern perimeter wall was nearly completed. Photo facing north.





REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
9/23/20	Mesa Substation		Photo 2 – Shotcrete work continued within the bioswale. Photo facing north.
9/23/20	Mesa Substation		Photo 3 – Excavation work continued within the retention basin. Photo facing northwest.
9/23/20	Mesa Substation		Photo 4 – Shoring protected the excavated hole to the drain outflow pipe.


REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
9/23/20	Mesa Substation		Photo 5 – A storm drain inlet with sloped sidewalls.
9/23/20	Mesa Substation		Photo 6 – Earthwork continued within the southeastern portion of the project site. Photo facing east.
9/23/20	Mesa Substation		Photo 7 – Construction of the eastern boundary wall was underway. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
9/23/20	Mesa Substation		Photo 8 – Stockpiles of construction debris remained onsite. Photo facing southwest.
9/23/20	Mesa Substation		Photo 9 – Areas with hazardous materials were taped off. Photo facing south.
9/23/20	Mesa Substation		Photo 10 – The 500-kV substation infrastructure was being installed. Photo facing south.
9/23/20	Mesa Substation		Photo 11 – Phase 4 work continued with the erection of firewalls around the 500-kV transformers. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
9/23/20	Mesa Substation		Photo 12 – Phase 4 foundation work was ongoing. Photo facing south.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	9/28/20

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	9/29/20



Mesa 500–kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	September 30, 2020
Project Proponent:	Southern California Edison (SCE)	Report #:	VS137
Lead Agency:	California Public Utilities Commission (CPUC)	Monitor(s):	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	AM/PM Weather:	Sunny, very warm, and calm
WSP CM:	Silvia Yanez	Start/End time:	1030 to 1245 hours
Project NTP(s):	Notice to Proceed (NTP)-1, NTP-2		

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

Worker Environmental Awareness Program (WEAP) Training	Yes	No	N/A
Is the WEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (Best Management Practices [BMPs]) been installed?	X		
<i>Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?</i>	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's Storm Water Pollution Prevention Plan (SWPPP)?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, soil piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 miles per hour on unpaved roads? <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		
Work Areas	Yes	No	N/A
Is vegetation disturbance within work areas minimized?	X		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?	X		
Are observed vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		

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

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

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

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

I arrived onsite at 1030 hours and met with Lead Environmental Inspector (LEI) Matt Daniele. I alerted Mr. Daniele of my arrival time beforehand so he could plan to escort me around the project site.

We entered the project site through the Potrero Grande Drive entrance and stopped along the northern wall work. Crews were preparing the slope below the wall for some additional shotcrete applications (Photo 1).

Assembly work continued in and around the 500-kilovolt (kV) transformers staged within the new rack areas (Photo 2).

The bioswale appeared to be nearly complete with the slopes all covered with shotcrete. A pipe was installed at the base of the southern shotcrete slope that appeared to be draining the water that seeped out from this area (Photo 3). Crews continued to work in the retention basin, primarily on the drain outlet (Photo 4). The manhole installation continued over the drain outlet that was deep and well shored (Photo 5). A drainpipe leading into the retention basin was well sealed with wood (Photo 6).

I noted Russian thistle (*Salsola tragus*) growing along the brow ditch by the fencing to the north of the retention basins (Photo 7). Weeds had returned to the slope outside of the same fence (Photo 8). Most of these appeared to be mustard and had already set seed. I spoke to Mr. Daniele about weed abatement and followed up with Fernando Guzman. I met the environmental monitor stationed near this area.

A small crew was backfilling around the transformer catch basin (Photo 9).

Power Grade continued to move soil in areas not contaminated by asbestos (Photos 10 and 11). Stockpiled construction debris remained onsite (Photo 12).

A crew was erecting one of the lattice steel towers located along the southern portion of the project site (Photo 13). This work was within 100 feet of the Environmentally Sensitive Area (ESA) habitat, so an avian biologist was onsite observing the work.

Work continued on the eastern boundary wall where brick was being installed (Photo 14). A mortar mixing station was set up nearby and appeared well contained (Photo 15).

The Phase 4 work being completed by Professional Electrical Construction Services continued with the new 500-kV structures being erected (Photo 16). They continued work on foundations (Photo 17), and raising firewalls for in between the transformers (Photo 18).

Photo 19 shows an overview of the Phase 4 work, facing west from the eastern entrance.

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.

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.
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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
9/30/20	Mesa Substation		Photo 1 – The northern perimeter wall was nearly complete with shotcrete application completed on the slope. Photo facing northeast.
9/30/20	Mesa Substation		Photo 2 – Assembly of the 500-kV transformers. Photo facing west.
9/30/20	Mesa Substation		Photo 3 – Shotcrete appeared to be completed within the bioswale with a pipe installed at the base. Photo facing east.




REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
9/30/20	Mesa Substation		Photo 4 – Excavation work continued within the western retention basin. Photo facing northwest.
9/30/20	Mesa Substation		Photo 5 – Shoring protected the excavated hole to the drain outflow pipe.




REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
9/30/20	Mesa Substation		Photo 6 – A drain inlet into the western retention basin. Photo facing northeast.
9/30/20	Mesa Substation		Photo 7 – Weed growth along the fencing north of retention basins. Photo facing west.
9/30/20	Mesa Substation		Photo 8 – Weed growth outside of the boundary fence. Photo facing east.




REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
9/30/20	Mesa Substation		Photo 9 – Backfilling work began around the transformer catch basin. Photo facing east.
9/30/20	Mesa Substation		Photo 10 – Earthwork continued within the southeastern portion of the project site. Photo facing northeast.
9/30/20	Mesa Substation		Photo 11 – Earthwork began where the hazardous materials had been removed. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
9/30/20	Mesa Substation		Photo 12 – Stockpiles of construction debris remained onsite. Photo facing northwest.
9/30/20	Mesa Substation		Photo 13 – Erection of one of the lattice steel towers near the ESA. Photo facing southeast.
9/30/20	Mesa Substation		Photo 14 – Brick installation being completed on the eastern boundary wall. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
9/30/20	Mesa Substation		Photo 15 – Mortar mixing station near the wall installation work. Photo facing east.
9/30/20	Mesa Substation		Photo 16 - The 500-kV substation infrastructure was being installed. Photo facing south.
9/30/20	Mesa Substation		Photo 17 – Phase 4 foundation work. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
9/30/20	Mesa Substation		Photo 18 – Erection of firewalls around the 500-kV transformer foundations. Photo facing northwest.
9/30/20	Mesa Substation		Photo 19 – Overview of the Phase 4 work area. Photo facing west.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	10/06/20

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	10/08/20