



March 12, 2021

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

Re: Monthly Report Summary #39 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 **December 1 to 31, 2020**, for the Mesa 500-kilovolt (kV) Substation (Mesa Substation) Project in Los Angeles County, California. Compliance monitoring was performed to ensure that all project-related activities conducted by Southern California Edison (SCE) and their contractors comply with the requirements of the Final Environmental Impact Report (Final EIR) for the Mesa Substation Project, as adopted by the California Public Utilities Commission (CPUC) on February 9, 2017.

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

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

Onsite compliance monitoring by WSP USA Inc. (WSP), formerly Ecology and Environment, Inc., compliance team during this reporting period focused on spot-checks of ongoing construction activities. Compliance Monitor Vince Semonsen visited the Mesa Substation construction sites on **December 1, 9, 17, 22, and 29, 2020**. Site inspection reports that summarize observed construction activities and compliance events and verify mitigation measures (MMs) and applicant proposed measures (APMs) were completed for the site visits. These reports are attached below (Attachment 1).

No compliance incidences occurred during the period from December 1 to 31, 2020. Overall, the Mesa Substation Project has maintained compliance with the Mitigation Monitoring, Compliance, and Reporting Program's (MMCRP) Compliance Plan. Communication between the CPUC/WSP compliance team and SCE has been regular and effective; the correspondence pertained to and documented compliance events, upcoming compliance-related surveys and deliverables, and the construction schedule. Agency calls between the CPUC/WSP and SCE, along with daily schedule updates and automated

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database notifications from SCE, provided additional compliance information and construction summaries. Furthermore, SCE's monthly compliance status report for December 2020 provided a compliance summary and included a description of construction activities from December 1 to 31, 2020, a detailed look-ahead construction schedule, a summary of compliance with Mesa Substation Project commitments (i.e., the MMs/APMs) for biological resources, cultural and paleontological resources, the Storm Water Pollution Prevention Plan (SWPPP), noise, and the Worker Environmental Awareness Program (WEAP), non-compliance issues and resolutions, and public complaints and notifications.

Compliance Incidents

No compliance incidences occurred during the December 2020 reporting period.

Noise Compliance

No noise exceedances occurred during the December 2020 reporting period.

Spills

No spills were reported during the December 2020 reporting period.

Public Concerns

No public concerns were raised during December 2020.

Minor Project Changes

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Silvia Yanez', is placed below the word 'Sincerely,'.

Silvia Yanez
Project Manager, Ecology and Environment, Inc.

cc:

Lori Rangel, SCE
Don Dow, SCE

ATTACHMENT 1

CPUC Site Inspection Reports
December 1, 9, 17, 22, and 29, 2020



Mesa 500-kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	December 1, 2020
Project Proponent:	Southern California Edison (SCE)	Report #:	VS145
Lead Agency:	California Public Utilities Commission (CPUC)	Monitor(s):	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	AM/PM Weather:	Sunny, warm, and calm
WSP CM:	Silvia Yanez	Start/End time:	1045 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 1045 hours and met with Pete Lubich and Matt Daniele. Mr. Daniele escorted me to the staging area outside of the southern boundary wall.

Earlier in the week I arranged to meet with the project Qualified SWPPP Practitioner (QSP) to discuss the Rain Event Action Plan and any BMPs proposed for the project site. A representative from CASA was the SCE QSP and we met outside of the southern boundary wall. She said the sediment control plan was almost complete and would be submitted soon. We discussed the stormwater runoff issues and I repeated my observations and concerns about sediment runoff from the southeastern portion of the site. The runoff drained directly offsite. Preparations were underway for the upcoming rainy season; these included stockpiled gravel bags and straw wattle staged nearby (Photo 1).

I inspected the ongoing brick work on the southern boundary wall; the mortar mixing station appeared clean of trash and well contained (Photo 2). The wall foundation trench had been dug and rebar installed; Mr. Daniele said they would be pouring the foundation soon (Photo 3). The trench was long and deep with no sloped sidewalls. I asked Mr. Daniele about climbing structures and inspecting the trench regularly; he said boards would be installed along the rebar and that the trench would be inspected several times a day. No animals had been found in the excavations.

New lattice steel tower installation continued along the southern transmission corridor, along with wire pulling and the installation of the raptor nest exclusion balls (Photos 4 and 5). The area was near the Environmentally Sensitive Area (ESA) where coastal California gnatcatchers (*Poliioptila californica*) nest. An avian biologist was assigned to monitor the work in this area.

At the detention basins crews continued to work on the eastern basin, delivering piping and additional layers (Photo 6). The western basin appeared to be completed (Photo 7). The small triangular basin and associated V ditches remained full of sediment. I had mentioned this to Kate from CASA and she said that she included these concerns in her report to SCE.

Power Grade crews continued to excavate and break up the existing substation foundations (Photo 8). They were also trenching for and installing conduit (Photo 9). Work continued on the excavation and installation of the storm drain system (Photos 10 and 11). According to Mr. Daniele, the hazardous material cleanup continued in the evening, with daytime crews working 7 days a week 12 hours a day.

The Professional Electrical Construction Services crews were working on foundation installation (Photo 12) and continued to install the 500-kilovolt (kV) infrastructure (Photos 13 and 14).

Water trucks were minimizing the dust along the project access roads and a street sweeper was observed along Potrero Grande Drive.

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

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

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

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

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

COMPLIANCE SUMMARY

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

- New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.
- Non-compliance Level 1: An action that deviates from project requirements or results in the partial implementation of the mitigation measures, but has not caused, or has the potential to cause impacts on environmental resources. If you checked this box, describe the incident below and follow-up to ensure correction.
- Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report.
- Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the 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
12/01/20	Mesa Substation		Photo 1 – Stockpiled BMP materials by the southern boundary wall. Photo facing southwest.
12/01/20	Mesa Substation		Photo 2 – Brick installation on the southern boundary wall. Photo facing northeast.
12/01/20	Mesa Substation		Photo 3 – Wall foundation work. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/01/20	Mesa Substation		Photo 4 – Wire work and installation of the exclusion balls in the new towers along the southern portion of the project. Photo facing east.
12/01/20	Mesa Substation		Photo 5 – Erection of the new towers along the southern portion of the project. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/01/20	Mesa Substation		Photo 6 – Work within the bioswale portion of the detention basin. Photo facing north.
12/01/20	Mesa Substation		Photo 7 – Western portion of the detention basin appeared to be done. Photo facing northwest.
12/01/20	Mesa Substation		Photo 8 – Breaking up existing foundation material. Photo facing northeast.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/01/20	Mesa Substation		Photo 9 – Conduit installation near the eastern boundary wall. Photo facing northeast.
12/01/20	Mesa Substation		Photo 10 – Power Grade work continued on the Phase 4 storm drain system. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/01/20	Mesa Substation		Photo 11 – Power Grade work continued on the Phase 4 storm drain system. Photo facing south.
12/01/20	Mesa Substation		Photo 12 – Phase 4 foundation work. Photo facing northwest.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/01/20	Mesa Substation		Photo 13 – Ongoing infrastructure installation within the Phase 4 area by Professional Electrical Construction Services. Photo facing north.
12/01/20	Mesa Substation		Photo 14 – Phase 4 installation of the 500-kV equipment. Photo facing east.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	12/07/20

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	12/07/20



Mesa 500-kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	December 9, 2020
Project Proponent:	Southern California Edison (SCE)	Report #:	VS146
Lead Agency:	California Public Utilities Commission (CPUC)	Monitor(s):	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	AM/PM Weather:	Warm, with hazy sunshine and a slight breeze
WSP CM:	Silvia Yanez	Start/End time:	1330 to 1530 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 1330 hours and stopped at the construction trailers located east of Market Place Drive. Water trucks were minimizing the dust along the project access roads and a street sweeper was observed along Potrero Grande Drive.

The new lattice steel towers near the trailers had been installed and appeared to have most of the raptor nest exclusion balls installed (Photo 1). Wire work continued along the transmission corridor with equipment in place on either side of Market Place Drive (Photo 2). Photo 3 provided an overview of the Phase 4 portion of the site taken near the construction trailers (Photo 3).

Prior to my site visit, I had contacted Pete Lubich and Matt Daniele; Mr. Daniele met with me and escorted me into the project site. Our first stop was within the Phase 4 area where the Professional Electrical Construction Services crews were conducting a variety of project construction activities. Work included the installation of grounding wire (Photo 4), while other crews continued to work on the cable tray system (Photo 5). Installation was underway on the climbing structures in the deeper cable tray trenches.

Most of the storm drain inlets were sealed off with sediment control BMPs (Photo 6). No rainwater runoff was expected to enter the drainage system.

Trenching work south of the Phase 4 area halted until the asbestos-contaminated soils could be removed (Photo 7). The crews referred to the taped off contaminated area as the "Asbestos Island." Mr. Daniele indicated the removal of the hazardous material would be completed sometime in February 2021.

Other Professional Electrical Construction Services work included the installation of the 500-kilovolt (kV) infrastructure (Photos 8 and 9) and rebar installation within other portions of the cable tray system (Photo 10). The lead environmental inspector (LEI) said the concrete pour of the cable tray system would begin the following day at 0400 hours; he noted that a crew would be onsite.

Power Grade continued to work on the storm drain system (Photo 11). Equipment parked onsite appeared to have adequate secondary containment (Photo 12).

We drove to the detention basins where crews were adding an additional layer of material over the pea gravel and piping (Photo 13). The sediment remained in the small triangular catch basin and in the V ditch leading into the basin.

I inspected the rainwater runoff area outside of the southern boundary wall and noted that no work had been conducted on upgrading the BMPs in this area.

Crews continued to work on the new lattice steel towers along the southern Transmission Corridor (Photos 14). Since this area was near the Environmentally Sensitive Area (ESA) where coastal California gnatcatchers (*Poliophtila californica*) nest, an avian biologist (Wayne Woodroof) was assigned to monitor the work.

The brick work continued on the southern boundary wall; the mortar mixing station appeared clear of trash and was well contained (Photo 15).

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

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

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

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

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

COMPLIANCE SUMMARY

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

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

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

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

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/09/20	Mesa Substation		<p>Photo 1 – Lattice steel towers near the construction trailers with raptor nest exclusion balls installed. Photo facing east.</p>
12/09/20	Mesa Substation		<p>Photo 2 – Wire stringing equipment parked on either side of Market Place Drive, west of the construction trailers. Photo facing west.</p>

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/09/20	Mesa Substation		Photo 3 – Overview of the Phase 4 work. Photo facing west.
12/09/20	Mesa Substation		Photo 4 – Grounding wire installation work by Professional Electrical Construction Services crews. Photo facing south.
12/09/20	Mesa Substation		Photo 5 – Trenching for the cable trays within the Phase 4 work area. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/09/20	Mesa Substation		Photo 6 – BMPs around the storm drain inlets.
12/09/20	Mesa Substation		Photo 7 – The asbestos-contaminated area halting work south of the Phase 4 area. Photo facing south.
12/09/20	Mesa Substation		Photo 8 – The 500-kV infrastructure. Photo facing northeast.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/09/20	Mesa Substation		Photo 9 – The 500-kV equipment being installed. Photo facing northeast.
12/09/20	Mesa Substation		Photo 10 – Rebar installation by the Professional Electrical Construction Services crews. Photo facing northwest.
12/09/20	Mesa Substation		Photo 11 – A newly poured drain inlet, with two climbing boards in place.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/09/20	Mesa Substation		Photo 12 – Secondary containment appeared adequate under the parked equipment. Photo facing south.
12/09/20	Mesa Substation		Photo 13 – Additional layers added to the eastern portion of the detention basin. Photo facing north.
12/09/20	Mesa Substation		Photo 14 – Wire work on the new lattice steel towers located along the southern perimeter of the project site. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
12/09/20	Mesa Substation		Photo 15 – Brick laying continued on the southern boundary wall. Photo facing north.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	12/15/20

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	12/16/20



Mesa 500-kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	December 17, 2020
Project Proponent:	Southern California Edison (SCE)	Report #:	VS147
Lead Agency:	California Public Utilities Commission (CPUC)	Monitor(s):	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	AM/PM Weather:	Sunny, cool, and breezy
WSP CM:	Silvia Yanez	Start/End time:	1115 to 1330 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 1115 hours and stopped at the construction trailers to check in with Pete Lubich and Matt Daniele.

Crews were working in the lattice steel towers adjacent to the trailers (Photo 1) and in the towers east of the trailers (Photo 2). It appeared they were installing the raptor nest exclusion balls. According to Mr. Daniele, seven additional towers were awaiting installation of the exclusion balls. The work was timely as Mr. Daniele had observed a pair of red-tailed hawks (*Buteo jamaicensis*) exhibiting nesting behavior.

Within the Phase 4 project area, the Professional Electrical Construction Services crews were doing a variety of project construction activities. They continued to excavate and pour foundations (Photos 3 and 4), install the 500-kilovolt (kV) substation infrastructure (Photos 5 and 6), and trench for and install conduit (Photo 7). Secondary containment and concrete washout bins were in place.

Power Grade crews continued to grade within the Phase 4 area before allowing the Professional Electrical Construction Services crews to take over (Photo 8).

The hazardous waste removal work continued during night; the work was being completed by a company called AIS (Photo 9).

Power Grade continued to work on the detention basins where crews were adding the final layer of material over the pea gravel and piping in the bioswale portion of the basin (Photo 10). A crew was also working on the drainage pipe exiting out of the western detention basin (Photo 11).

No BMP upgrades had been implemented along the southern portion of the project site. A crew was working on installing green plastic ivy on the southern boundary wall (Photo 12).

Water trucks were minimizing the dust along the project access roads and a street sweeper was observed along Potrero Grande Drive.

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

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

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

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

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

COMPLIANCE SUMMARY

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

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

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

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

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/17/20	Mesa Substation		Photo 1 – Work continued on the towers near the construction trailers. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/17/20	Mesa Substation		Photo 2 – Work continued on the towers located east of the construction trailers. Photo facing east.
12/17/20	Mesa Substation		Photo 3 – Professional Electrical Construction Services crews pouring foundations. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/17/20	Mesa Substation		Photo 4 – The cable tray pulling station being formed and poured. Photo facing northwest.
12/17/20	Mesa Substation		Photo 5 – Installing 500-kV substation infrastructure. Photo facing northeast.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/17/20	Mesa Substation		Photo 6 – Installing 500-kV substation infrastructure. Photo facing northeast.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/17/20	Mesa Substation		Photo 7 – Conduit installation by the Professional Electrical Construction Services crews. Photo facing east.
12/17/20	Mesa Substation		Photo 8 – Final grading being completed by Power Grade crews. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/17/20	Mesa Substation		<p>Photo 9 – Asbestos removal work by AIS. Photo facing southeast.</p>
12/17/20	Mesa Substation		<p>Photo 10 – The final layer of material added to the eastern portion of the detention basin. Photo facing north.</p>
12/17/20	Mesa Substation		<p>Photo 11 – Work on the stormwater drain piping. Photo facing west.</p>

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/17/20	Mesa Substation		Photo 12 – A crew adding plastic ivy to the southern boundary wall. Photo facing northeast.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	12/28/20

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	12/28/20



Mesa 500–kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	December 22, 2020
Project Proponent:	Southern California Edison (SCE)	Report #:	VS148
Lead Agency:	California Public Utilities Commission (CPCU)	Monitor(s):	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	AM/PM Weather:	Sunny, cool, and breezy
WSP CM:	Silvia Yanez	Start/End time:	1045 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 1045 hours and stopped at the construction trailers to check in with Pete Lubich and Matt Daniele.

Mr. Lubich and I entered the project site through the eastern gate and parked within the Phase 4 work area. I took an overview photo of the Phase 4 work from the eastern gate (Photo 1).

The Professional Electrical Construction Services crews continued the erection of the 500-kilovolt (kV) infrastructure (Photos 2 and 3). They were working on building the cable tray station (Photo 7), and installing and backfilling conduit (Photo 8).

The hazardous materials removal crews continued their work at night, with the areas cordoned off during the day (Photo 4).

Power Grade crews were onsite working on the storm drain system (Photo 5) and were conducting earth moving activities (Photo 6). The two detention basins were nearly complete (Photo 9) and installation of the plastic ivy on the southern boundary wall was almost completed (Photo 10). I inspected the secondary containment under the parked equipment and they all had drip pans present (Photo 11).

No upgrades had been done to the BMPs outside of the southern boundary wall and no BMPs had been added within the southeastern portion of the project site to slow any rainwater runoff. I called the Qualified SWPPP Practitioner from CASA, who said they were waiting on SCE for approvals of their project-wide sediment control plan.

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

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

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

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

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

COMPLIANCE SUMMARY

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

- New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.
- Non-compliance Level 1: An action that deviates from project requirements or results in the partial implementation of the mitigation measures, but has not caused, or has the potential to cause impacts on environmental resources. If you checked this box, describe the incident below and follow-up to ensure correction.
- Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box,

please fill out a Non-Compliance Report.

- Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the applicant proposed measures, mitigation measures, permit conditions, approval requirements (e.g., minor project changes, notice to proceed), and/or violates local, state, or federal law. Examples include irreparable damage to archaeological sites, destruction of active bird nests, and grading of unapproved vegetated areas. A non-compliance Level 3 may also be issued if Level 2 incidents are repeated. If you checked this box, please fill out a Non-Compliance Report.
- Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

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

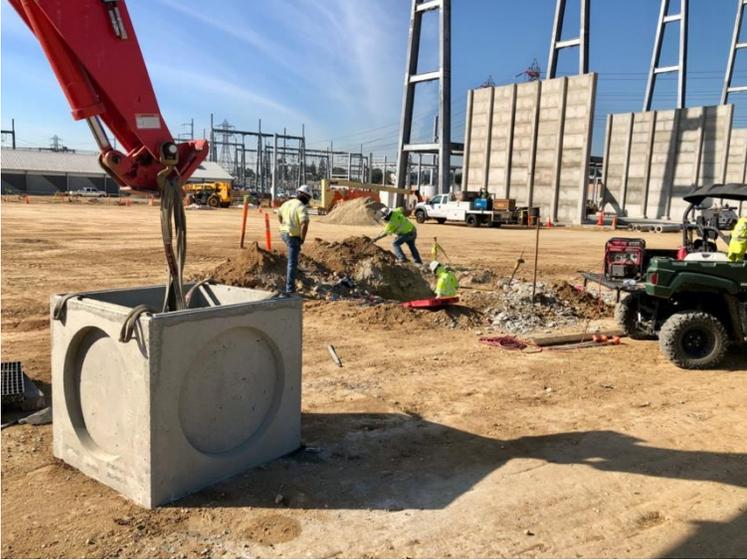
PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
12/22/20	Mesa Substation		Photo 1 – Overview of the Phase 4 work area from the east entrance. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/22/20	Mesa Substation		Photo 2 – The 500-kV substation infrastructure. Photo facing northeast.
12/22/20	Mesa Substation		Photo 3 – The 500-kV substation infrastructure installation. Photo facing north.
12/22/20	Mesa Substation		Photo 4 – Asbestos removal work area. Photo facing southeast.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/22/20	Mesa Substation		Photo 5 – Upgrades to the stormwater drainage system. Photo facing west.
12/22/20	Mesa Substation		Photo 6 – Earthwork activities conducted by Power Grade crews. Photo facing northwest.
12/22/20	Mesa Substation		Photo 7 – The cable tray pulling station being formed and poured. Photo facing northwest.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/22/20	Mesa Substation		<p>Photo 8 – Backfilling the conduit trench by the Professional Electrical Construction Services crews. Photo facing northeast.</p>
12/22/20	Mesa Substation		<p>Photo 9 – The final layer of material added to the eastern portion of the detention basin. Photo facing north.</p>
12/22/20	Mesa Substation		<p>Photo 10 – A crew adding the final plastic ivy to the southern boundary wall. Photo facing northeast.</p>

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/22/20	Mesa Substation		Photo 12 – Secondary containment present under the parked equipment.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	12/30/20

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	12/31/20



Mesa 500-kV Substation Project CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	Date:	December 29, 2020
Project Proponent:	Southern California Edison (SCE)	Report #:	VS149
Lead Agency:	California Public Utilities Commission (CPUC)	Monitor(s):	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	AM/PM Weather:	Mostly clear, sunny, mild, and calm
WSP CM:	Silvia Yanez	Start/End time:	1130 to 1230 hours
Project NTP(s):	Notice to Proceed (NTP)-1, NTP-2		

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

Worker Environmental Awareness Program (WEAP) Training	Yes	No	N/A
Is the WEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (Best Management Practices [BMPs]) been installed?		X	
<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 1130 hours and met with two members of the new Environmental Inspection team, Adrian Vasquez and Mitch Thole. Mr. Vasquez was the coordinator for the team who work for a company called CircleWood. They both accompanied me on my site inspection.

I was able to reach the Qualified SWPPP Practitioner from CASA, who was onsite earlier. She said SCE had not approved their erosion and sediment control plan for the year.

The first major storm system of the year moved through the area on the previous Sunday and Monday. According to Mr. Vasquez, the project site received about one inch of rain. No work took place on Monday and no workers were onsite since the site due to the muddy conditions (Photo 1).

Some of the secondary containment vessels under the construction equipment were full of water (Photo 2).

The focus of my site visit was on the rainwater runoff coming off the southeastern portion of the project site. Erosion rills were noted from the earthen berm currently being moved by Power Grade (Photo 3). Additional rainwater runoff was coming from near Market Place Drive, running down the Transmission Corridor, along the outside of the southern boundary wall (Photo 4), and cutting a large rill through the stockpiled BMPs near the boundary fence (Photo 5).

The boundary fence BMPs were overtopped, blown out, and or undercut by the sediment-laden water from the fence line down to the drain inlet (Photos 6, 7, and 8). The drain inlet was completely clogged with mud and debris (Photo 9). Muddy rainwater runoff from the southeastern portion of the project site was running unimpeded into the California Department of Transportation (CalTrans) channel and offsite.

Previous BMP work, including some plastic sheeting, installed at the top of the Caltrans channel needed to be cleaned up and removed (Photo 10).

Nonnative and invasive castor bean (*Ricinus communis*) plants were resprouting along the drainage channel that runs along the outside of the southern boundary wall (Photo 11).

I briefly inspected the detention basins, noting water in the western most basin. The small triangular catch basin was full.

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)

The BMPs along the southeastern portion of the project site needed to be replaced and upgraded.

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

The 2020/2021 rainy season has started; 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.
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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
12/29/20	Mesa Substation		Photo 1 – Wet and muddy conditions. Photo facing north.
12/29/20	Mesa Substation		Photo 2 – Secondary containment drip pans full of rainwater.
12/29/20	Mesa Substation		Photo 3 – Rills from the remaining berm onsite. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/29/20	Mesa Substation		Photo 4 – Rainwater runoff channel coming down the south side of the southern boundary wall. Photo facing southwest.
12/29/20	Mesa Substation		Photo 5 – Rainwater runoff rills near the stockpiled BMPs. Photo facing east.
12/29/20	Mesa Substation		Photo 6 – Existing BMPs at the boundary fence that are no longer effective.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
12/29/20	Mesa Substation		Photo 7 – BMPs outside of the southern boundary wall with overtopped and blown-out straw wattles. Photo facing east.
12/29/20	Mesa Substation		Photo 8 – BMPs near the drain inlet that were overtopped and blown out from the storm event. Photo facing east.
12/29/20	Mesa Substation		Photo 9 – The drain inlet was clogged with mud and debris.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
12/29/20	Mesa Substation		Photo 10 – Existing BMPs remained at the entrance to the CalTrans concrete channel. Photo facing west.
12/29/20	Mesa Substation		Photo 11 – Castor bean plants resprouting along the drainage channel outside of the southern boundary wall. Photo facing east.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	1/03/21

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	1/04/21