



August 5, 2016

Andrew Barnsdale
Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Re: Monthly Report Summary #27 for Aliso Canyon Turbine Replacement Project

Dear Mr. Barnsdale:

This monthly report provides a summary of the compliance monitoring activities that occurred during the period of **June 1 to 30, 2016**, for the Aliso Canyon Turbine Replacement (ACTR) Project (Aliso) in California. Compliance monitoring was performed to ensure that all project-related activities conducted by Southern California Gas Company (SCG), Southern California Edison (SCE), and their contractors are in compliance with the requirements of the Final Environmental Impact Report (Final EIR) for Aliso, as adopted by the California Public Utilities Commission (CPUC) on November 14, 2013, and as further modified in the Addendum to the Final EIR, as approved by the CPUC on December 18, 2014.

The CPUC has issued the following Notices to Proceed (NTPs) for the project to SCG and SCE:

- NTP #1 (February 25, 2014): The Guard House and road widening component.
- NTP #2 (May 27, 2014): Construction of new administrative buildings, removal of old buildings, and development of Fill Sites P-41 and P-43.
- NTP #3 (July 18, 2014): Construction of the Central Compressor Station (CCS), grading for the Natural Substation, and installation of five tubular steel poles (TSPs) and string conductor.
- NTP-A (October 28, 2014): Work along Natural-Newhall-San Fernando and MacNeil-Newhall-San Fernando 66-kilovolt (kV) subtransmission lines and at the San Fernando, Newhall, Chatsworth, Sunshine, and MacNeil substations.
- NTP-B (February 24, 2015): Construction of a portion of Telecommunications Route 3 from the San Fernando Substation to the temporary San Fernando Substation Tap.
- NTP-C (April 14, 2015): Construction and telecommunication installation associated with the MacNeil-Newhall-San Fernando and Natural-Newhall-San Fernando 66-kV subtransmission lines.
- NTP-D (June 8, 2015): Additional construction and telecommunication installation associated with the MacNeil-Newhall-San Fernando and Natural-Newhall-San Fernando 66-kV subtransmission lines, and construction of the Natural Substation.
- NTP-E (September 21, 2015): Additional construction and telecommunication installation on Telecommunications Routes 1, 2, and 3.

Onsite compliance monitoring by the Ecology and Environment, Inc. (E & E) compliance team during this reporting period focused on weekly spot-checks of ongoing construction activities. Compliance Monitor Vince Semonsen visited the Aliso construction site on June 3, 13, and 21, 2016. Planner Andres Estrada visited the Aliso construction site on June 27, 2016. Site inspection reports that summarize observed construction activities and compliance events and verify mitigation measures (MMs) were completed for all site visits. Reports are attached below (Attachment 1).

Overall, the project has maintained compliance with the Mitigation Monitoring, Compliance, and Reporting Program's (MMCRP) Compliance Plan. Communication between the CPUC/E & E compliance team and SCG and SCE has been regular and generally effective, with approximately daily correspondence to discuss and document compliance events, upcoming compliance-related surveys and deliverables, and the construction schedule. Weekly agency calls between CPUC/E & E, SCG, and SCE, along with weekly email updates from SCG and SCE, provided additional compliance information and construction summaries. Furthermore, SCG's and SCE's monthly compliance status reports for June 2016 provided compliance summaries and included: a description of construction activities for June 1 to 30, 2016; a detailed look-ahead construction schedule; a summary of compliance with project commitments (applicant proposed measures [APMs]/MMs) for air quality, biological resources, and cultural and paleontological resources; Storm Water Pollution Prevention Plan (SWPPP) measures; noise measures; the Worker Environmental Awareness Training Program (WEAP); a summary of non-compliance incidents; and a list of recent project approvals.

Compliance Incidents

No Non-Compliance Reports were issued by the CPUC during June 2016. No non-compliance incidents occurred during June 2016.

Wildlife Observations

Eight live California newts, a CDFW-designated Species of Special Concern, were observed during June 2016, and all were relocated. No dead newts were observed during June 2016. Three gopher snakes were found dead during June 2016 due to entanglement in netting used to cover machinery and construction materials at SCG project components. Netting is used to prevent birds from nesting at construction sites.

Public Concerns

On June 9, 2016, SCE received a call from a resident on DeWolfe Street regarding the condition of the road. On June 15, 2016, Rodney Preijers, SCE Project Manager, met with the resident to view the road condition. Mr. Preijers explained to the resident that SCE would compare pre- and post-construction photos after construction is complete to determine the extent of the alleged road damage.

Minor Approvals

During June 2016, one email approval and two Minor Project Refinement (MPR) Amendments were approved (Table 1).

Table 1: Minor Approvals for June 2016

Description	Approval Date
MPR 9 Amendment 2 included helicopter and baker tank use for the 12-kV plant power line. (SCG)	June 2, 2016
Email approval for cessation of paleontological monitoring at the new Admin/IM Building location. (SCG)	June 2, 2016
Verbal approval during weekly call to reduce Qualified SWPPP Practitioner (QSP) oversight. (SCG)	June 20, 2016
MPR D Amendment 2 included changing the chain link fence installation at the 210 Freeway Yard from temporary to permanent. (SCE)	June 23, 2016

Please contact me if you have any questions concerning this summary report.

Sincerely,



Lara Rachowicz
Project Manager, Ecology and Environment, Inc.

CC:
Derek Rodgers, SCG
Chris May, SCE

ATTACHMENT 1

CPUC Site Inspection Reports
June 3, 13, 21, and 27, 2016



Aliso Canyon Turbine Replacement Project CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	June 3, 2016
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS106
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Clear, sunny, and hot with a slight breeze.
E & E CM:	Lara Rachowicz	Start/End time:	0900 to 1200 at the Aliso Canyon Natural Gas Storage Field (Aliso Storage Field)
Project NTP(s):	The new Admin/IM Building (NTP-2), Central Compressor Station (CCS) (NTP-3), PS-42 Fill Site, and the Natural Substation (NTP-3 and NTP-A). TSPs 2 through 42 (NTPs A, C, and D) and the SCE 210 Freeway Yard. Telecommunications Route 2 (NTP-E).		

SITE INSPECTION CHECKLIST

	Yes	No	N/A
WEATP Training			
Has WEATP training been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)			
Have temporary erosion and sediment control measures been installed?	X		
Are erosion and sediment control measures properly installed and functioning?	X		
Is mud tracked onto paved public roadways cleaned up in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Is excessive fugitive dust leaving the work area?		X	
Equipment			
Are all vehicles observed maintaining a speed limit of 15 mph on unpaved roads?	X		
Are all vehicles/equipment observed arriving onsite clean of sediment or plant debris?	X		
Are vehicles/equipment turned off when not in use?	X		
Work Areas			
Is vegetation disturbance within work areas minimized?	X		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?	X		
Are vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		
Are all excavations and trenches covered at the end of the day?	X		

Are ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		
Biology			
Have preconstruction surveys been completed for biological (wildlife, nesting birds, 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		
Have wildlife been relocated from work areas?		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)?		X	
Did you observe any threatened or endangered species? List:		X	
Are there wetlands or water bodies present near construction activities?	X		
Have there been any work stoppages for biological resources?		X	
Cultural and Paleontological Resources			
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?		X	
Hazardous Materials			
Are hazardous materials stored appropriately?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are appropriate fire prevention and control measures in place?	X		
Is contaminated soil properly handled or disposed of, if applicable?	X		
Work Hours and Noise			
Are night lighting reduction measures in place, as needed?	X		
Is construction occurring within approved hours?	X		
Are noise control measures in place within 100 feet of sensitive receptors as needed?			X

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

The PS-42 Fill Site, Natural Substation, new Admin/IM Building, CCS, and 12 kV power plant line (PPL).

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 drove to the Aliso Storage Field, checked in at the ACTR Project office, and spoke with Amandeep Singh (AECOM) and Seth Rosenberg (SCG) about the ACTR Project's status. I did not see any red-tailed hawk chicks in the nest along Limekiln Road, and I assumed they had fledged. Seth Rosenberg confirmed that the chicks had been seen in the tree, but were away from the nest.

I stopped at the new Admin/IM Building where construction was being conducted – see Photo 1. Included is a photo of the bioswale for the new Admin/IM Building – see Photo 2.

At the Natural Substation, the electrical equipment was being tested – see Photo 3.

Work on the TSP 49 erosion repair was scheduled to begin; however, there was a delay, and no crews were at the site – see Photo 4. No work was being conducted at the PS-42 Fill Site. Stockpiled soil remained on the well pad above the site. This soil eventually may be placed in the PS-42 Fill Site.

At the CCS, crews were working on the drainage system, building construction, and on installation of the blowdown line. Mustard plants are again dominating the slopes above and below the CCS – see Photos 5 and 7. As indicated in a previous monitoring report, it appears that rainwater runoff from a large area around the CCS drains through the facility. Photo 6 shows the drainage outfall from the facility.

At the 12 kV PPL, pole A2-1 work crews have installed most of the TSP – see Photo 8. The crane had a mechanical problem, and the crew asked if they could flip up the top section of the TSP and lean it on the slope in order to allow vehicular access to the crane – Photo 9. Because there was the possibility of impacting vegetation outside of the construction limits, I called Seth Rosenberg (SCG). We discussed the situation and he called Andres Estrada (E & E). We all agreed that the impacts would be minimal, so the tower section was temporarily placed on the slope – see Photo 10 – and there was minimal impact to vegetation. Juan Miranda (SCG) is the daytime onsite biological monitor.

MITIGATION MEASURES VERIFIED (Refer to MMCRP, e.g., MM BR-5. Report only on MMs pertinent to your observations today)

Onsite monitors were in place and overseeing the construction activities; all construction personnel appear to have gone through the training (APM HZ-6).

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

Check on 12 kV PPL pole installation and possible weed control work.

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

An evaluation of the rainwater runoff draining through the CCS facility is recommended.




COMPLIANCE SUMMARY




Below please describe any non-compliance issues or new biological/cultural discoveries (compliance level 0) that have occurred since your last visit. If you observe a non-compliance issue in the field, please note this on the monitoring datasheet, and for non-compliance Level 2 or 3 fill out and submit a separate Non-Compliance Report Form to E & E Compliance Manager. Inform E & E CM of any non-compliance incidents.

- Compliance Level 0: 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: Violates the project's environmental requirements but does not immediately put environmental resources at risk. Applicant will need to correct the action and/or prevent repeat incidents of the same issue. If you checked this box, describe the incident below and follow-up to ensure correction.
- Non-Compliance Level 2: (Minor Incident) Level 2 should be those actions that have the potential to cause or cause immediate, minor risk to environmental resources such as activities that result in a deviation from the mitigation measure requirements that result in minor, short-term impact to 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: (Major Incident) Level 3 are those actions that have the potential to cause or cause immediate, major risk to environmental resources such as: major environmental incident that is not in compliance with the applicant mitigation measures, mitigation measures, permit condition, approval (e.g., variances, addendums) requirements, and/or environmental construction specifications; violation of the law; or documented repetitive occurrences of Level 2 Minor Incident events. If you checked this box, please fill out a Non-Compliance Report.
- Non-compliance issues reported by SoCalGas or SCE: Were there any new non-compliance issues reported by SoCalGas or SCE monitors since your last visit? If so, describe issues and resolution and include SoCalGas or 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
6/3/16	New Admin/IM Building		Photo 1 – Buildings going up.
6/3/16	New Admin/IM Building		Photo 2 – Bioswale with plantings.
6/3/16	Natural Substation		Photo 3 – Overview.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
6/3/16	TSP 49		Photo 4 – Early phase of the erosion repair work.
6/3/16	CCS		Photo 5 – Slope above the CCS facility; note the mustard is returning.
6/3/16	CCS		Photo 6 – Drainage culvert outfall for the CCS and surrounding areas.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
6/3/16	CCS		Photo 7 – Mustard growing on the slope below the CCS.
6/3/16	12 kV PPL Work at the A2-1 Location		Photo 8 – Installation of the TSP.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
6/3/16	12 kV PPL Work at the A2-1 Location		Photo 9 – Crane and last piece of the tower to be installed.
6/3/16	12 kV PPL Work at the A2-1 Location		Photo 10 – Section of pole temporarily placed on the bank of the crane pad.



Aliso Canyon Turbine Replacement Project CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	June 13, 2016
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS107
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Overcast and cool with a slight breeze.
E & E CM:	Lara Rachowicz	Start/End time:	0930 to 1200 at the Aliso Canyon Natural Gas Storage Field (Aliso Storage Field)
Project NTP(s):	The new Admin/IM Building (NTP-2), Central Compressor Station (CCS) (NTP-3), PS-42 Fill Site, and the Natural Substation (NTP-3 and NTP-A). TSPs 2 through 42 (NTPs A, C, and D) and the SCE 210 Freeway Yard. Telecommunications Route 2 (NTP-E).		

SITE INSPECTION CHECKLIST

WEATP Training	Yes	No	N/A
Has WEATP training been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)			
Have temporary erosion and sediment control measures been installed?	X		
Are erosion and sediment control measures properly installed and functioning?	X		
Is mud tracked onto paved public roadways cleaned up in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Is excessive fugitive dust leaving the work area?		X	
Equipment			
Are all vehicles observed maintaining a speed limit of 15 mph on unpaved roads?	X		
Are all vehicles/equipment observed arriving onsite clean of sediment or plant debris?	X		
Are vehicles/equipment turned off when not in use?	X		
Work Areas			
Is vegetation disturbance within work areas minimized?	X		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?	X		
Are vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		
Are all excavations and trenches covered at the end of the day?	X		
Are ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		

Biology			
Have preconstruction surveys been completed for biological (wildlife, nesting birds, 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		
Have wildlife been relocated from work areas?		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)?		X	
Did you observe any threatened or endangered species? List:		X	
Are there wetlands or water bodies present near construction activities?	X		
Have there been any work stoppages for biological resources?		X	
Cultural and Paleontological Resources			
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?		X	
Hazardous Materials			
Are hazardous materials stored appropriately?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are appropriate fire prevention and control measures in place?	X		
Is contaminated soil properly handled or disposed of, if applicable?	X		
Work Hours and Noise			
Are night lighting reduction measures in place, as needed?	X		
Is construction occurring within approved hours?	X		
Are noise control measures in place within 100 feet of sensitive receptors as needed?			X

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

The PS-42 Fill Site, Natural Substation, new Admin/IM Building, CCS, and 12 kV PPL.

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 drove to the Aliso Storage Field, checked in at the ACTR Project office, and spoke with Amandeep Singh (AECOM) and Johnny Grady (SCG), who were onsite due to Seth Rosenberg's (SCG) vacation.

I stopped at the new Admin/IM Building where construction was being conducted on the buildings – see Photo 1.

I drove to the Oak Tree Mitigation Site to look at some of the cages, and they all appeared to be in good condition – see Photo 2. One nest buffer had been set up around a small stand of trees within the Oak Tree Mitigation Site – see Photo 3.

I drove to the bottom of the PS-42 Fill Site, which I had not checked in a few months, and looked at the drainage system, riprap area, and revegetation. Everything appeared to be in place and stable; however, I did notice a dense stand of mustard growing within the lower portion of the PS-42 Fill Site and some mustard growing in the riprap – see Photos 4 and 5. I mentioned my concern about the amount of mustard to Amandeep Singh (AECOM) and Johnny Grady (SCG), and they indicated they would check the area.

At the Natural Substation, electrical equipment was being tested, and a crew was onsite stringing wire on the 12 kV PPL poles – see Photo 6. Mustard was growing along the Natural Substation access road, and it appears to be from the genus *Hirschfeldia* – see Photo 9.

Work on the TSP 49 erosion repair was finished, with road base used to fill the rill and jute netting used as a covering – see Photo 7. I also noted that the old tower foundation remained in place near the new tower – see Photo 8. I sent a follow-up email to Chris May (SCE) inquiring about the use of road base and the fate of the old foundation, and she replied that the road base was used because they felt it would be difficult to compact dirt in the steep area and that the foundation would be left in place to help stabilize the slope.

At the 12 kV PPL, A2-1 pole crews have finished installing the TSP, and a helicopter crew strung the wires on the morning of Sunday, June 12 – see Photo 10. Juan Miranda (SCG) is the daytime onsite biological monitor and he said that both he and avian biologist Rob Conohan (SCG) surveyed the slope for nesting birds between the 12 kV PPL pole sites before the helicopter flight. Wire stringing is continuing – see Photo 13. A man lift is parked below the A2-1 TSP and it is covered with bird netting – see Photo 11. I noted some of the construction stakes and fencing along the access road and around some small oaks have been knocked over – see Photo 12. I mentioned this to Amandeep Singh (AECOM), and he said he would ask the contractor to repair the fencing as soon as possible.

As the CCS work continued on the drainage system with a new headwall poured around the main culvert outfall, some riprap was placed below the culvert – see Photo 14. I still believe that the site drainage should be evaluated, and some additional energy-dissipating material may need to be placed at the culvert outfall.

MITIGATION MEASURES VERIFIED (Refer to MMCRP, e.g., MM BR-5. Report only on MMs pertinent to your observations today)

Onsite monitors were in place and overseeing the construction activities; all construction personnel appear to have gone through the training (APM HZ-6).

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

Weed control work.

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

An evaluation of the rainwater runoff draining through the CCS facility is recommended.

COMPLIANCE SUMMARY




Below please describe any non-compliance issues or new biological/cultural discoveries (compliance level 0) that have occurred since your last visit. If you observe a non-compliance issue in the field, please note this on the monitoring datasheet, and for non-compliance Level 2 or 3 fill out and submit a separate Non-Compliance Report Form to E & E Compliance Manager. Inform E & E CM of any non-compliance incidents.

- Compliance Level 0: 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: Violates the project's environmental requirements but does not immediately put environmental resources at risk. Applicant will need to correct the action and/or prevent repeat incidents of the same issue. If you checked this box, describe the incident below and follow-up to ensure correction.
- Non-Compliance Level 2: (Minor Incident) Level 2 should be those actions that have the potential to cause or cause immediate, minor risk to environmental resources such as activities that result in a deviation from the mitigation measure requirements that result in minor, short-term impact to 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: (Major Incident) Level 3 are those actions that have the potential to cause or cause immediate, major risk to environmental resources such as: major environmental incident that is not in compliance with the applicant mitigation measures, mitigation measures, permit condition, approval (e.g., variances, addendums) requirements, and/or environmental construction specifications; violation of the law; or documented repetitive occurrences of Level 2 Minor Incident events. If you checked this box, please fill out a Non-Compliance Report.
- Non-compliance issues reported by SoCalGas or SCE: Were there any new non-compliance issues reported by SoCalGas or SCE monitors since your last visit? If so, describe issues and resolution and include SoCalGas or 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
6/13/16	New Admin/IM Building		Photo 1 – Buildings going up.
6/13/16	Oak Tree Mitigation Site		Photo 2 – Oak tree cages.
6/13/16	Oak Tree Mitigation Site		Photo 3 – Oak tree cages with a nesting bird buffer around a small stand of trees.

REPRESENTATIVE SITE PHOTOGRAPHS



Date	Location	Photo	Description
6/13/16	PS-42 Fill Site		Photo 4 – Lower portion of the PS-42 Fill Site showing mustard growing.
6/13/16	PS-42 Fill Site		Photo 5 – Riprap culvert area below the PS-42 Fill Site showing moderate amounts of weed growth.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
6/13/16	Natural Substation		Photo 6 – Overview of the Natural Substation.
6/13/16	TSP 49		Photo 7 – Filled rill below the pole site.
6/13/16	TSP 49		Photo 8 – Old pole foundation remains near the new TSP location.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
6/13/16	Natural Substation Access Road		Photo 9 – Mustard is returning along the Natural Substation access road.
6/13/16	12 kV PPL Work at the A2-1 Location		Photo 10 – Poles are in place and wire is being strung.


REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
6/13/16	12 kV PPL Work	 A photograph showing a man lift at a construction site. The lift's TSP (Total Suspended Platform) is covered with black plastic sheeting and orange bird netting. The lift is on a dirt path, and a large white tower is visible in the background under a clear blue sky.	Photo 11 – Man lift below the TSP covered with bird netting.
6/13/16	12 kV PPL Work	 A photograph showing a section of orange plastic boundary fence that has been knocked over. The fence is lying on the ground near a man lift. The background shows a dirt area and some green vegetation.	Photo 12 – Boundary fence that has been knocked over.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
6/13/16	12 kV PPL Work		Photo 13 – Workers stringing wire.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
6/13/16	CCS		Photo 14 - Work on site drainage system.



Aliso Canyon Turbine Replacement Project CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	June 21, 2016
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS108
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Clear, sunny, and hot with a slight breeze.
E & E CM:	Lara Rachowicz	Start/End time:	0830 to 0930 at the SCE towers 1000 to 1200 at the SCE towers and the Aliso Canyon Natural Gas Storage Field (Aliso Storage Field)
Project NTP(s):	The new Admin/IM Building (NTP-2), Central Compressor Station (CCS) (NTP-3), PS-42 Fill Site, and the Natural Substation (NTP-3 and NTP-A). TSPs 2 through 42 (NTPs A, C, and D) and the SCE 210 Freeway Yard. Telecommunications Route 2 (NTP-E).		

SITE INSPECTION CHECKLIST

WEATP Training	Yes	No	N/A
Has WEATP training been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)			
Have temporary erosion and sediment control measures been installed?	X		
Are erosion and sediment control measures properly installed and functioning?	X		
Is mud tracked onto paved public roadways cleaned up in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Is excessive fugitive dust leaving the work area?		X	
Equipment			
Are all vehicles observed maintaining a speed limit of 15 mph on unpaved roads?	X		
Are all vehicles/equipment observed arriving onsite clean of sediment or plant debris?	X		
Are vehicles/equipment turned off when not in use?	X		
Work Areas			
Is vegetation disturbance within work areas minimized?	X		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?	X		
Are vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		

Are all excavations and trenches covered at the end of the day?	X		
Are ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		
Biology			
Have preconstruction surveys been completed for biological (wildlife, nesting birds, 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		
Have wildlife been relocated from work areas?		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)?		X	
Did you observe any threatened or endangered species? List:		X	
Are there wetlands or water bodies present near construction activities?	X		
Have there been any work stoppages for biological resources?		X	
Cultural and Paleontological Resources			
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?		X	
Hazardous Materials			
Are hazardous materials stored appropriately?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are appropriate fire prevention and control measures in place?	X		
Is contaminated soil properly handled or disposed of, if applicable?	X		
Work Hours and Noise			
Are night lighting reduction measures in place, as needed?	X		
Is construction occurring within approved hours?	X		
Are noise control measures in place within 100 feet of sensitive receptors as needed?			X

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

TSPs 12 – 21, the PS-42 Fill Site, Natural Substation, new Admin/IM Building, CCS and 12 kV PPL.

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 met with Todd White and botanist Mary Carroll (both from Arcadis) at 0830 near the Crescent Valley Mobile Estates. We dropped Mary Carroll at TSP 21 where she was going to survey the Mariposa lily revegetation effort. Todd White and I drove to the TSP sites from #12 to #21 looking at the recent weeding work conducted around the poles – see Photos 1 through 6. Todd White indicated that a crew had removed mustard, tocalote, Russian thistle, and milk thistle in and around the construction areas. All of the sites were in very good condition, as the crew had addressed more weed species than I had expected. We did not go to TSP 7, but Todd White stated that crews had removed the weeds at that site, as well.

I drove to the Aliso Storage Field and met with Todd White and Mary Carroll at the Mariposa lily restoration area located along the access road near TSPs 40 and 41. The stockpiled Mariposa lily and Venturan coastal sage scrub (VSS) topsoil was being restored to locations along the access road. Photo 7 shows the topsoil being brought to the access road shoulder near TSP 42. Photo 8 shows the VSS topsoil restoration being conducted on the steep road shoulder across from TSP 39. Todd White and Mary Carroll were surveying the revegetation – see Photo 10 – and Todd was overseeing the topsoil restoration effort. A crew was onsite at TSP 39 for berm construction and drainage repair of the access road and the pole pad – see Photo 9. A fire crew was overseeing this construction effort.

No work was taking place at the PS-42 Fill Site, and no weed removal had been conducted on the slopes – see Photo 11.

At the new Admin/IM Building location, construction continues – see Photo 12.

No work has been conducted at the 12 kV PPL A2-1 poles, and the tailings from the drilling work remain stockpiled along the access road. The exclusion fencing has been repaired around the small oak trees.

Both day and night work were ongoing at the CCS. I noted that an additional concrete barrier/energy dissipater had been poured at the main CCS drain outfall.

MITIGATION MEASURES VERIFIED (Refer to MMCRP, e.g., MM BR-5. Report only on MMs pertinent to your observations today)

Onsite monitors were in place and overseeing the construction activities; all construction personnel appear to have gone through the training (APM HZ-6).

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

Check on topsoil restoration along the access road for TSPs 39 – 42, and possible weed control work at the PS-42 Fill Site and along the Natural Substation access road.

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

An evaluation of the rainwater runoff draining through the CCS facility is recommended.

COMPLIANCE SUMMARY

Below please describe any non-compliance issues or new biological/cultural discoveries (compliance level 0) that have occurred since your last visit. If you observe a non-compliance issue in the field, please note this on the monitoring datasheet, and for non-compliance Level 2 or 3 fill out and submit a separate Non-Compliance Report Form to E & E Compliance Manager. Inform E & E



CM of any non-compliance incidents.




- Compliance Level 0: 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: Violates the project's environmental requirements but does not immediately put environmental resources at risk. Applicant will need to correct the action and/or prevent repeat incidents of the same issue. If you checked this box, describe the incident below and follow-up to ensure correction.
- Non-Compliance Level 2: (Minor Incident) Level 2 should be those actions that have the potential to cause or cause immediate, minor risk to environmental resources such as activities that result in a deviation from the mitigation measure requirements that result in minor, short-term impact to 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: (Major Incident) Level 3 are those actions that have the potential to cause or cause immediate, major risk to environmental resources such as: major environmental incident that is not in compliance with the applicant mitigation measures, mitigation measures, permit condition, approval (e.g., variances, addendums) requirements, and/or environmental construction specifications; violation of the law; or documented repetitive occurrences of Level 2 Minor Incident events. If you checked this box, please fill out a Non-Compliance Report.
- Non-compliance issues reported by SoCalGas or SCE: Were there any new non-compliance issues reported by SoCalGas or SCE monitors since your last visit? If so, describe issues and resolution and include SoCalGas or 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
6/21/16	TSP 21/22 Pull Site		Photo 1 – Results of the weed removal at the pull site and along the access road.
6/21/16	TSP 21		Photo 2 – TSP pad and restored slopes
6/21/16	TSP 12		Photo 3 – Weed removal at TSP 12.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
6/21/16	TSP 13		Photo 4 – Weed removal at TSP 13.
6/21/16	TSP 15		Photo 5 – Weed removal around the TSP 15 pad and staging area.
6/21/16	TSP 16		Photo 6 – Weed removal on the slopes of the pole pad.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
6/21/16	Access Road to TSPs 39 - 42		Photo 7 – Restoration of Mariposa lily topsoil along the access road berm.
6/21/16	Access Road Near TSP 39		Photo 8 – Restoration of VSS topsoil on the access road shoulder.
6/21/16	TSP 39		Photo 9 – Road and pad drainage work at TSP 39.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
6/21/16	Mariposa Lily Restoration Site along the Access Road to TSP 40		Photo 10 – Botanist Mary Carroll surveying the revegetation.
6/21/16	PS-42 Fill Site		Photo 11 – PS-42 Fill Site showing the mustard growing in the disturbed areas.
6/21/16	New Admin/IM Building		Photo 12 – Buildings continue to be erected.



Aliso Canyon Turbine Replacement Project CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	June 27, 2016
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	E&E005
Lead Agency:	California Public Utilities Commission	Monitor(s):	Andrés Estrada
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Sunny and hot, with no wind.
E & E CM:	Lara Rachowicz	Start/End time:	0800 to 1200 at the 66 kV power plant line (PPL) and Sunshine Canyon 01230 to 1400 at the Aliso Canyon Natural Gas Storage Field (Aliso Storage Field)
Project NTP(s):	The new Admin/IM Building (NTP-2), Central Compressor Station (CCS) (NTP-3), PS-42 Fill Site, and the Natural Substation (NTP-3 and NTP-A). TSPs 2 through 42 (NTPs A, C, and D) and the SCE 210 Freeway Yard. Telecommunications Route 2 (NTP-E).		

SITE INSPECTION CHECKLIST

WEATP Training	Yes	No	N/A
Has WEATP training been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)			
Have temporary erosion and sediment control measures been installed?	X		
Are erosion and sediment control measures properly installed and functioning?	X		
Is mud tracked onto paved public roadways cleaned up in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Is excessive fugitive dust leaving the work area?		X	
Equipment			
Are all vehicles observed maintaining a speed limit of 15 mph on unpaved roads?	X		
Are all vehicles/equipment observed arriving onsite clean of sediment or plant debris?	X		
Are vehicles/equipment turned off when not in use?	X		
Work Areas			
Is vegetation disturbance within work areas minimized?	X		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?	X		
Are vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		

Are all excavations and trenches covered at the end of the day?	X		
Are ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?			X
Biology			
Have preconstruction surveys been completed for biological (wildlife, nesting birds, 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		
Have wildlife been relocated from work areas?		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)?		X	
Did you observe any threatened or endangered species? List:		X	
Are there wetlands or water bodies present near construction activities?	X		
Have there been any work stoppages for biological resources?		X	
Cultural and Paleontological Resources			
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?		X	
Hazardous Materials			
Are hazardous materials stored appropriately?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are appropriate fire prevention and control measures in place?	X		
Is contaminated soil properly handled or disposed of, if applicable?	X		
Work Hours and Noise			
Are night lighting reduction measures in place, as needed?	X		
Is construction occurring within approved hours?	X		
Are noise control measures in place within 100 feet of sensitive receptors as needed?			X

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

TSPs 7 – 23 and 40 – 42, Sunshine Canyon Landfill Poles, Oak Tree Mitigation Site, P-40 Staging, new Admin/IM Building, CCS, 12 kV PPL.

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

At 0800, I met with Todd White (Arcadis) at the Crescent Valley Mobile Estates. We drove together to check TSP 7 where crews had completed weed pulling/trimming. The slope and pad were mostly bare dirt with a few native plants dispersed throughout – Photo 1. Todd White mentioned he had crews pull/trim around the native plants rather than clearing the entire area. Gravel bag check dams remained in place. A broom and construction sign were left behind near the entrance gate to the TSP.

We then drove to TSPs 21 and 22 where Mariposa lily capsules were present in several of the restoration areas – Photo 2. Non-native vegetation in this area had also been removed, but some were growing back on the slope directly below TSP 22 – Photo 3. Todd White (Arcadis) and I discussed the restoration success criterion (80% native cover in 3 years) and agreed that if we do not get more rain than what has been normal over the past several years, it will be very difficult to meet the criterion. After checking this location, Chris May (SCE) arrived, and we all drove to TSP 11. The boundaries of each TSP pad had non-native plants removed; no mustard or other species were very noticeable. I asked Chris May about site closeouts and she said that for the 66 kV work, once all work is completed, SCE construction management will do a walk of the entire line and identify items to clean up. SCE will not be conducting incremental closeouts, but will close out the entire 66 kV component all at once.

We all drove to the Sunshine Canyon Landfill to see the work for SCE's Sunshine Canyon Landfill 66 kV Subtransmission Line Relocation Project. All poles have been placed, and a line crew was preparing to string the poles – Photo 4. After this, Todd White (Arcadis) dropped Chris May (SCE) off at her car and he and I drove through to the backside of Aliso Canyon and looked at the work areas for TSPs 42, 41, and 40. These areas had also been cleared of non-native plants, and mostly bare soil remained – Photo 5. Some black mustard and *Hirschfeldia* were present on the sides of the access roads. Todd White pointed out the additional topsoil, which was placed per MPR G Amendment 2; the topsoil appeared to cover about 100 feet of access road embankment between TSPs 40 and 41. We continued on Weldon Canyon Road and returned to Crescent Valley Mobile Estates. When we arrived, a water truck had just started driving up the TSP 24/25 access road, and the excavator and dozer were staged just below the road. The road was very dusty; therefore, it was advantageous that crews had not driven on the access road before the water truck arrived. Todd White commented that the water truck had arrived late in the work day, as it was already 1200.

I drove to the Aliso Storage Field to meet Seth Rosenberg (SCG). I arrived at 1230 and checked in with at the ACTR project offices. I had Seth Rosenberg drive me to the top of the Natural Substation access road so I could get an overview look of the site. TSP 49 looked well maintained and had several stormwater best management practices (BMPs) in place. A variety of non-native mustard was prevalent on the sides of the access road – Photo 6. I discussed how we will likely want the mustard removed as part of standard weed management, and Seth Rosenberg indicated it would be removed as discussed. This location is also where excess material from drilling the TSP A2 foundation was staged. The material was placed on a plastic sheet and had straw wattles and gravel bags surrounding it – Photo 7. Because it has a polymer mixed in, it would need be mixed with regular spoils prior to compaction in the PS-42 Fill Site. Seth Rosenberg anticipated this pile would remain in place for about another month. Seth Rosenberg also expected that PS-42 Fill Site would be turned over to Operations and Management, who will see to its closure once the top bench is completely full. Before we left, an SCE crewmember spoke to us about demobilizing their Natural Substation team. He stated that the team would likely be completely out of the Aliso Storage Field by the end of the week.

We drove to the Oak Tree Mitigation Site where the young trees appeared healthy – Photo 8. The area had been mowed about a month prior to my visit, and I noted very sporadic non-native plants. Next, we checked the new Admin/IM Building. Steel structures were up, and crews continued to work – Photo 9. The biofiltration unit was well vegetated with planted plants. There were patches of non-native plants on the slope between the new Admin and IM Buildings, as well as some natives, such as California poppy.

We stopped to get an overview look at the CCS before moving to the 12 kV PPL work. Slopes had a fair amount of mustard on them and looked well stabilized – Photo 10. Two drains were in place that Seth Rosenberg (SCG) said ran from the base of this slope under the CCS and out of a new discharge pipe downslope of the CCS. At the 12 kV PPL access road, we saw biological monitor Juan Miranda (SCG). Seth Rosenberg explained that Juan will generally travel between the Porter Fee Road staging areas and other parts of the ACTR Project throughout the day. Because the 12-kV PPL is complete, final stringing was taking place by a small crew with a bucket truck. Once the work is complete, some of the excess soil from road grading at this site will be placed on the pad, raising it up by several inches. The stormwater BMPs and orange fencing looked well maintained in this area – Photo 11. As we arrived, Seth Rosenberg noticed an empty pickup truck belonging to a crewmember that was idling and he turned off the engine. There was a pile of bird netting near this work area, and I reiterated the importance of making sure no loose pieces are blown off the site.

We also discussed final cleanup by contractors once work is complete, and Seth Rosenberg (SCG) said there was no formal process/checklist for this. Instead, if something is left behind, he will informally contact the contractor and ask them to remove the item(s). It may be difficult to distinguish which items belong to specific contractors, since there are multiple, overlapping crews moving around the Aliso Storage Field.

MITIGATION MEASURES VERIFIED (Refer to MMRP, e.g., MM BR-5. Report only on MMs pertinent to your observations today)

Onsite monitors were in place and overseeing the construction activities; all construction personnel appear to have gone through the training (APM HZ-6).

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

Check for trash and construction material left behind

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

COMPLIANCE SUMMARY

Below please describe any non-compliance issues or new biological/cultural discoveries (compliance level 0) that have occurred since your last visit. If you observe a non-compliance issue in the field, please note this on the monitoring datasheet, and for non-compliance Level 2 or 3 fill out and submit a separate Non-Compliance Report Form to E & E Compliance Manager. Inform E & E CM of any non-compliance incidents.



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- Non-Compliance Level 3: (Major Incident) Level 3 are those actions that have the potential to cause or cause immediate, major risk to environmental resources such as: major environmental incident that is not in compliance with the applicant mitigation measures, permit condition, approval (e.g., variances, addendums) requirements, and/or environmental construction specifications; violation of the law; or documented repetitive occurrences of Level 2 Minor




Incident events. If you checked this box, please fill out a Non-Compliance Report.




- Non-compliance issues reported by SoCalGas or SCE: Were there any new non-compliance issues reported by SoCalGas or SCE monitors since your last visit? If so, describe issues and resolution and include SoCalGas or 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
06/27/16	TSP 7		Photo 1 – Crews have completed non-native plant management and left some native vegetation.
06/27/16	TSP 21		Photo 2 – A mature Mariposa lily seed capsule from a replanted bulb.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
06/27/16	TSPs 22 – 11 Access Road		Photo 3 – Access roads and TSP pads cleaned of non-native vegetation.
06/27/16	Sunshine Canyon Landfill		Photo 4 – Line crew preparing for work at poles for another SCE project (Sunshine Canyon Landfill 66 kV Subtransmission Line Relocation Project).
06/27/16	Access Road near TSP 42		Photo 5 – Access road near TSP 42 that has been cleared of non-native vegetation.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
06/27/16	P-40		Photo 6 – Overview of the TSP 49 access road and Natural Substation.
06/27/16	P-40		Photo 7 – Soil stockpile at the P-40 staging area.
06/27/16	Oak Tree Mitigation Site		Photo 8 – Oak trees with bird buffer and well pad in background.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
06/27/16	New Admin/IM Building		Photo 9 – Structural steel and crew at the new Admin/IM Building.
06/27/16	CCS		Photo 10 – Slopes above CCS with non-native mustard and straw wattles.
6/27/16	12 kV PPL		Photo 11 – Well maintained orange fencing at the TSP A2 road.