

May 5, 2015

Andrew Barnsdale
Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 9410298

Re: Monthly Report Summary #12 for Aliso Canyon Turbine Replacement Project

Dear Mr. Barnsdale:

This monthly report provides a summary of the compliance monitoring activities occurring during the period **March 1 to March 31, 2015** for the Aliso Canyon Turbine Replacement 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 (CPUC Notice Determination), and with the requirements of the Final EIR as further modified in the Addendum to the Final EIR (approved December 18, 2014).

The CPUC has issued the following Notices to Proceed (NTP) 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 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, Grading for the Natural Substation, and Installation of Five Tubular Steel Poles (TSPs) and String Conductors
- NTP-A (October 28, 2014): Work along Natural-Newhall-San Fernando and MacNeil-Newhall-San Fernando 66-kV lines and at San Fernando, Newhall, Chatsworth, Sunshine, and MacNeil Substations
- NTP-B (February 24, 2015): Installation of a telecommunications pedestal and conduit along San Fernando Mission Road and Sharp Avenue.

On-site compliance monitoring by the CPUC/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 March 5, 11, 19, 23, and 30, 2015. Compliance Monitor, Caitlin Barns, accompanied Mr. Semonsen on the March 23 visit. A Site Inspection Report was completed for each visit to summarize observed construction activities and compliance events, and to verify mitigation measures (Attachment 1).

Overall, the project has maintained compliance with the Mitigation Monitoring, Compliance, and Reporting Program's Compliance Plan (MMCRP). 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 and upcoming compliance-related surveys and deliverables. Weekly agency calls between CPUC/E & E, SCG, and SCE, along with weekly email updates from SCG and SCE, provide additional compliance information and construction summaries. Furthermore, SCG's and SCE's monthly compliance status reports for March 2015 provide robust compliance summaries and include: a description of construction activities for March 1-31, 2015; a detailed look-ahead construction schedule; a summary of compliance with project commitments (APMs/MMs) for air quality, biological resources, cultural and paleontological resources, Storm Water Pollution Prevention Plan (SWPPP) measures, noise measures, and worker environmental awareness training (WEAP); and a summary of non-compliance incidents.

Compliance Incidents

During the March reporting period a significant compliance incident occurred at the Aliso Canyon Natural Gas Storage Field; erosion of exposed soil and sedimentation into an oak tree grove occurred during a heavy storm due to a lack of proper Best Management Practices (BMPs) by SCG. On Saturday night February 28, 2015 a forecasted storm began to drop rain and continued through Sunday before turning to intermittent showers on Monday March 2. Prior to the storm event, when the forecast reached a 50% chance of rain and as outlined in the Storm Water Pollution Prevention Program (SWPPP), SCG completed a Rain Event Action Plan. The storm was predicted to drop 0.46 inches of rain, but over the course of the storm a total of 2 inches of rain fell.

On the following Thursday, March 5, the CPUC's Compliance Monitor noticed a lack of BMPs on steep slopes under active construction and evidence of erosion and sedimentation at the Natural Substation and Access Road work site (Natural Substation). It appeared that water moved uninhibited down steep slopes of exposed soil, sediment-laden water overtopped the BMPs that were installed around the perimeter of the work site, and sedimentation occurred in a small oak tree grove below the Natural Substation. In accordance with SCG's National Pollutant Discharge Elimination System General Permit and APM GE-2, proper BMPs (e.g., silt fencing, fiber rolls on steep slopes) should have been installed to prevent erosion and, in particular, to protect the oak trees from sediment deposition. Photos from the inspection show erosion rills down the middle of the access road that was being constructed, an overflowed excavation/containment area at the base of the access road, missing and degraded BMPs, and evidence of erosion and sediment deposition under the oak tree canopy below the Natural Substation (see Attachment 1). Additionally, no exclusionary fencing to protect the oak trees had been installed, as required by APM BR-1b, APM BR-2, and APM BR-5.

Disrepair and absence of erosion control BMPs at several construction areas of the Aliso Canyon Storage Facility have been previously documented in the SWPPP Weekly Inspection reports, and concerns about BMPs have been reported in several previous CPUC Monthly reports (November 2014, December 2014, February 2015) and discussed with SCG. Recommended corrective actions have included the placement of BMPs on slopes of exposed soil, including at the Natural Substation.

Immediately after this incident was discovered by the CPUC Compliance Monitor, the CPUC Compliance Manager convened a conference call with the SCG team, E & E team, and CPUC Project Manager to discuss the incident and review the SWPPP in detail. During the call SCG articulated that they planned to order and stage additional BMPs, including fiber rolls and gravel/sand bags. The CPUC/E & E team emailed follow-up questions about SCG's implementation of the SWPPP and planned corrective actions, which SCG promptly responded to. Moving forward, SCG plans to:

- Install fiber rolls on slopes under active construction when the weather forecast indicates a 50 percent or greater chance of rain;
- Include the use of sediment traps (incorporated into SWPPP Amendment 5);
- Submit a weekly account of BMP maintenance;

- Take a more active role in bridging communication gaps between the Environmental Consultant and Construction Management;
- Attend SWPPP training and make regular sweeps of the project areas to inspect project components to ensure adequate resources are available and installed to protect sensitive resources.

SCG has stockpiled additional BMPs across the Storage Field to be used during a predicted storm event with a 50% or greater chance of rain; no subsequent storms occurred during March 2015. In addition, SCG is taking a more active role in supervising the implementation of the SWPPP, including BMP installation and maintenance. However, CPUC/E & E continues to recommend that SCG should consider not waiting for the forecast to predict a storm with a 50% or greater chance of rain before installing BMPs on steep slopes of exposed soil in active construction areas. This increases the risk of being caught without enough time to install BMPs, especially because the forecast can change quickly.

Public Concerns

SCE was contacted by a member of the Sylmar Neighborhood Council on March 23, 2015 to inquire about potential noise impacts to horses boarded at an equestrian center near SCE’s 210 Freeway Yard (approved by MPR-D; see Table 1 below). SCE’s Region Manager and Construction Manager met with the concerned person at the yard on March 30 to address his concerns. He seemed satisfied when SCE explained that the trailers and equipment would be placed as far from the equestrian center as possible to reduce noise.

Minor Approvals

E-mail approvals were provided during March for waivers of the tier 3 requirements for two pieces of equipment and for an extension of work hours inside the San Fernando Substation (Table 1). Approval of a new laydown yard location adjacent to Interstate 210 and for the installation of additional utility lines at the Management and Crew-Shift Office buildings and Central Compressor Station was given via MPR-D and MPR-7, respectively (Table 1).

Table 1: E-mail and MPR Approvals for March 2015

Description	Approval Date
Email approval of tier 3 waivers for a track loader and concrete pump (SCG)	March 6, 2015
MPR-D – 210 Freeway Yard: Approval for use of new laydown yard along the 210 Freeway (SCE)	March 20, 2015
MPR-7 – Utility Lines at CCS and Office Buildings: Sewer, electrical, and fire water line installation. Includes removal of VSS and oak trees. (SCG)	March 24, 2015
Work Hour Extension Notification email approval for wiring activities inside the San Fernando MEER (SCE)	March 31, 2015

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

Sincerely,



Lara Rachowicz
Project Manager, Ecology and Environment, Inc.

CC:
Seth Rosenberg, SCG

Chris May, SCE

ATTACHMENT 1

CPUC Site Inspection Reports for
March 5, 11, 19, 23, and 30, 2015



Aliso Canyon Turbine Replacement Project CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	March 5, 2015
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS047
Lead Agency:	California Public Utilities Commission	Project Phase/NTP:	Guard House and Road Widening (NTP-1). The New Admin/IM Building (NTP-2) and Central Compressor Site (NTP-3). P-41 Fill site (NTP-2), PS-42 Fill Site, P-32 Fill site (NTP-3) and the Natural Substation (NTP-3, NTP-A). TSP-45 and 49, and the San Fernando Substation (NTP-A). Oak Tree Mitigation Area.
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Sunny, cool (60 degrees) and breezy (winds gusting up to 15 mph) at Aliso. Sunny and warmer (73 degrees) at San Fernando Substation and in Wiley Cyn.
E & E CM:	Lara Rachowicz	Start/End time:	0900-1245 hrs at the Aliso gas field. 1330 hrs at San Fernando and 1415 hrs at TSP 7 and 11 in Wiley Cyn.
Monitor(s):	Vince Semonsen		
Project Component(s):	Storage Field components, 66-kV Subtransmission Line, Telecommunications Route #1, 3		

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 maintaining a speed limit of 15 mph on unpaved roads?	X		
Are all vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are vehicles/equipment idling unnecessarily?		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 or ramps installed at 100-foot intervals and 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? Describe: Limekiln Canyon Wash	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? Actions taken by applicant:		X	
Hazardous Materials			
Are hazardous materials stored appropriately and are procedures in place to prevent spills?	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 (7am-5pm, M-F)?	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)

Checked the P-41, P-32 and the PS-42 fill sites. Checked the work at TSP 49, the New Admin/IM Building Site, the Central Compressor Station (CCS), the San Fernando Substation and TSP 7.

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

Some interior work is being done at the guard house. Traffic cones have been placed at the bird nesting buffer boundary (APM BR-1c) across the guard house staging area – see photo.

I met with Amandeep Singh who said they received 1.5 inches of rain over the weekend and another 0.5 inches earlier in the week. Avian biologists Wayne Woodroof and Rob Conohan were onsite doing nest surveys. His onsite crew includes biological resources monitor Anna Lohr (APM BR-1d and APM BR-6) and Paleo/Arch monitor Olivia Tierk (MM CR-1, MM CR-3, MM CR-6 and MM CR-8).

At the PS-42 fill site imported soil is being worked by quite a few pieces of equipment – see photo. The rainwater diversion piping has been fixed and it looked like there were no erosion problems. The fill within the PS-42 temporary rock fill site has been covered with jute netting, until such time as they can put it into the fill site – see photo.

At the Natural Substation an excavator is working on the access road down by the substation site – see photo. The oak titmouse pair seems to have decided against using the cavity nest near the subdrain, but the buffer stakes remain around the area. Wayne Woodroof was at the site watching for the birds. The rainwater runoff looked to have come all the way down the access road dumping sediment laden water into the excavated hole by the oak swale – see photos. The water overtopped the hole and began causing sedimentation down into the oak swale. It did not appear that any BMPs were installed on the roadway being constructed (APM GE-2). I discussed this issue with Seth.

Work continues at TSP 49 cutting and backfilling the new crane pad – see photo. Soil continues to be brought in to P-41 and equipment is working the dirt. Dirt is also being brought to P-32 and slope compaction was being done using a wheel on an excavator – see photo.

At the Central Compressor Station crews continue to work on the large slope stabilization locations – see photo. Some excavation work has been done since my last site visit and the BMPs have been maintained.

At the San Fernando Substation a crew is shifting lines from the old tower to the new TSP – see photo. The splice box work is nearly done with crews backfilling the last trench – see photo – they expect to finish today. The foreman said a Paleo monitor was onsite the last several days and had just left before I arrived – all looked good.

At TSP #7 the existing access road has been repaired with some temp BMPs installed – see photo. The additional access road has been cleared and graded with nest buffer stakes installed – see photos. A crew is digging a trench for a drainage culvert with the excavation being overseen by Paleo/Arch monitor Cecilio Garcia (MM CR-1, MM CR-3, MM CR-6 and MM CR-8). Biological monitor C. J. Fotherington (APM BR-1d, APM BR-6) is also onsite.

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

All the required oversight monitors are in place and communication between the monitors and the construction crews seems excellent. Work crews all appear to have been trained and have been issued hardhat stickers (APM HZ-6).

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

Temporary BMPs for the Natural Substation access road need to be designed and installed prior to a rain event.

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 #
3/05/15	Lack of temporary BMPs on the Natural Substation access road resulting in sediment laden water leaving the project site and causing erosion and sedimentation down through an adjacent oak woodland. Need for resolution was discussed with Environmental Manager Seth Rosenberg. Non-compliance level being determined by CPUC Project Manager.	APM GE-2	

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

N/A

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
3/05/15	PS-42 Fill Site		Equipment continues to work the dirt coming in from the Natural Substation.
3/05/15	PS-42 Temporary Rock Fill site		Stockpiled dirt has been covered with jute netting.
3/05/15	Guard House staging area		Some traffic cones have been placed at the boundary of the nest buffer.

3/05/15

TSP 49






Work on the crane pad is ongoing.




3/05/15


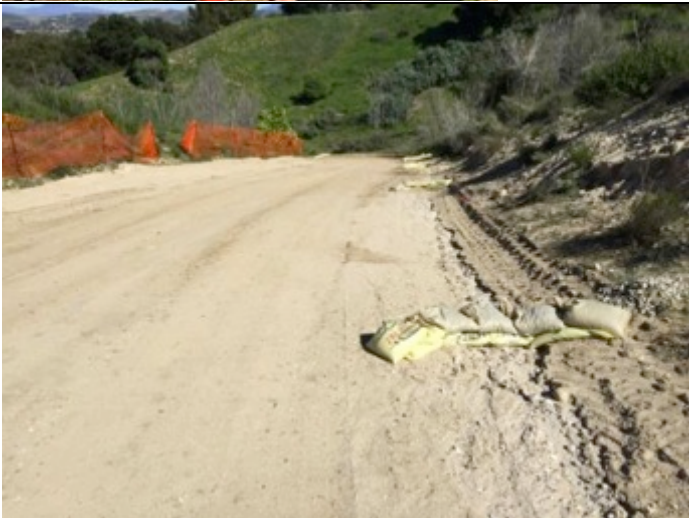

Natural Substation



Excavation of the substation access road is being done with an excavator. Note the mud in the foreground.

3/05/15	Natural Substation		Rainwater runoff from the latest storm system came down the access road causing some significant riling.
3/05/15	Natural Substation Access Road		Muddy water coming down the access road filled the hole near the oak swale with water, then overtopped the hole and ran down through the oaks.
3/05/15	P-32 Fill Site		Soil is being brought to the fill site; then it is spread and compacted.

<p>3/05/15</p>	<p>Central Compressor Station</p>		<p>Work continues on bank stabilization in addition to some excavation work.</p>
<p>3/05/15</p>	<p>San Fernando Substation</p>		<p>A crew is switching lines to the new TSP.</p>
<p>3/05/15</p>	<p>Sharp Ave. and San Fernando Mission Road</p>		<p>A Verizon crew is working on the splice box.</p>

<p>3/05/15</p>	<p>Sharp Ave. and San Fernando Mission Road</p>		<p>Crews are backfilling the fiber optic line trench.</p>
<p>3/05/15</p>	<p>TSP #7 access road</p>		<p>The access road had been regraded with some temporary erosion control measures installed.</p>
<p>3/05/15</p>	<p>TSP #7</p>		<p>Crews have cleared and cut the final stretch of the access road. Some nest barrier signage is in place on the upper side of the roadway.</p>

3/05/15

TSP #7



Crew is digging a trench for a drainage culvert.



Aliso Canyon Turbine Replacement Project CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	March 11, 2015
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS048
Lead Agency:	California Public Utilities Commission	Project Phase/NTP:	Guard House and Road Widening (NTP-1). The New Admin/IM Building (NTP-2) and Central Compressor Site (NTP-3). P-41 Fill site (NTP-2), PS-42 Fill Site, P-32 Fill site (NTP-3) and the Natural Substation (NTP-3, NTP-A). TSP-45 and 49, and the San Fernando Substation (NTP-A). Oak Tree Mitigation Area.
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Overcast and calm with mild temperatures (70 degrees). Overcast and warmer and the San Fernando substation.
E & E CM:	Lara Rachowicz	Start/End time:	0945 – 1345 hrs at the Aliso gas field. 1400 hrs and San Fernando substation.
Monitor(s):	Vince Semonsen		
Project Component(s):	Storage Field components, 66-kV Subtransmission Line, Telecommunications Route #1 and 3		

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 maintaining a speed limit of 15 mph on unpaved roads?	X		
Are all vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are vehicles/equipment idling unnecessarily?		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 or ramps installed at 100-foot intervals and 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? Describe: Limekiln Canyon Wash	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? Actions taken by applicant:		X	
Hazardous Materials			
Are hazardous materials stored appropriately and are procedures in place to prevent spills?	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 (7am-5pm, M-F)?	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)

Visited the Guard House and the P-41 and PS-42 fill sites. Looked over the oak mitigation work and the activities associated with the Natural Substation. Checked the work at TSP 49, the New Admin/IM Building Site, the Central Compressor Station (CCS), and the San Fernando Substation. Drove by the TSP 2 and TSP 7 sites.

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

Some interior work electrical work is being done at the guard house. A crew is hydroseeding the cut banks along Limekiln road near the guard house – see photo. Bio monitor Anna Lohr was overseeing the hydroseeding.

I met with Amandeep Singh who described the project activities. His onsite crew includes bio monitors Juan Miranda and Anna Lohr (APM BR-1d and APM BR-6) and Paleo/Arch monitor Alison Reynolds (MM CR-1, MM CR-3, MM CR-6 and MM CR-8). I passed along my/our concerns about the lack of any BMPs along the Natural substation access road and suggested that the AECOM's SWPPP inspector evaluate the situation and prepare a site specific temporary erosion control plan (APM GE-2).

Both the PS-42 and P-41 fill sites continue to receive soil from the Natural Substation area with many pieces of equipment working the imported dirt – see photos. The paved road down to P-41 has been kept cleared of dirt (APM AQ-7).

A crew is installing an additional 20 oak protection cages w/in the oak mitigation area (MM BR-15). A scrub jay nest was found near the mitigation area and placement of the cages is focused on the areas outside the protective buffer (MM BR-8).

At the Natural Substation a lot of equipment is working the site; hydroseeding was being done on the south facing fill slope, an excavator was working the upper portion of the access road, a large bull dozer was cutting new ground near the substation and four pieces of equipment were recompacting the dirt at the bottom of the access road near the subdrain - see photos. The dirt is all quite wet and there are no dust issues (APM AQ-6). It was determined that the oak titmouse was not nesting in the oaks, so the subdrain outlet pipe (MPR-6) was installed and the area recontoured – see photo. According to Amamdeep an arborist was onsite to oversee this work and no unusual impacts to the surrounding oaks were noted (MM BR-1). Biological monitor Juan and Paleo/Arch monitor Alison were onsite overseeing all of this work. Alison said she has not seen anything of significance.

SCE work continues at TSP 49 with the cutting and backfilling of the new crane pad - oversight is being done by Paleo monitor Joey Raum and biological monitor C. J. Fotherington (APM BR-1d, APM BR-6) – see photo. Crews expect to be finished with the pad in the next few days and hope to install the #49 pole. They are also hoping to pull out the old lattice steel tower in the Natural Substation.

At the Central Compressor Station crews continue to work on the slope stabilization and are drilling and installing the compressor foundations – see photos. I asked Amandeep about the discolored soil noted from the drilling work and he said it “is excess concrete from drilling and pouring operation”. Concrete trucks are onsite and the proper concrete washout containment was in place. BMPs have been maintained and upgraded in and around the CCS – see photo.

Work on the railings and walls continues at the New Admin/IM Building Site, the hydroseeding crew sprayed some of the slope, leaving a gap where some excavation will be done – see photo.

At the San Fernando Substation a crew is taking down the old steel lattice tower – see photo. I drove by the splice box work site – all the work is done. Lastly, I drove by TSP #7 and TSP #2 locations – no work is taking place.

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

Nesting bird surveys are ongoing (APM BR-1c). Work crews all appear to have been trained and have been issued hardhat stickers (APM HZ-6).

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

Natural Substation temporary BMPs need to be redesigned before the next storm

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 #
N/A			

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

Temporary BMPs for the Natural Substation access road need to be designed and installed prior to a rain event.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
3/11/15	PS-42 Fill site		Equipment continues to work the dirt coming in from the Natural substation.
3/11/15	Oak mitigation site		An additional 20 cages are being installed.
3/11/15	Guard House		Hydroseeding sprayed on the road banks.

3/11/15	TSP 49		Work on the crane pad is ongoing – crew hopes to install the TSP 49 pole in the next few days.
3/11/15	Natural Substation		Earthwork taking place at four different locations. SCE hopes to remove the lattice tower in the next few days.
3/11/15	Natural Substation		Hydroseeding of the south facing fill slopes.

3/11/15

Natural
Substation
Access road



Crews are excavating the upper road and recompacting the access road down by the oak swale and the subdrain.

3/11/15

Natural
Substation
Access road



The subdrain outfall pipe has been installed and backfilled. The work was monitored by an arborist.

3/11/15 P-41



Soil continues to be brought to the fill site from the substation work.

3/11/15 New Admin/IM Building




Work on the railings and walls continues. Slopes have been hydroseeded.

3/11/15 Central Compressor Station



Work continues on bank stabilization in addition to drilling work for the compressor foundations.

3/11/15	Central Compressor Station	 A photograph showing construction workers in orange safety vests and hard hats working on a site. They are pouring concrete into rebar cages that are supported by wooden forms. In the background, there is a large piece of machinery, possibly a concrete pump or mixer, and a concrete mixer truck. The ground is dirt and concrete.	Drilling compressor foundation holes, followed by setting and pouring the cages.
3/11/15	Central Compressor Station	 A photograph showing a circular structure made of sandbags, likely a Best Management Practice (BMP) for erosion control. The structure is surrounded by a wooden railing. In the background, there are trees and a building.	Upgraded BMPs at the main site drain location.

3/11/15

Central
Compressor
Station



An SCE crew is
removing the old steel
lattice structure.



Aliso Canyon Turbine Replacement Project CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	March 19, 2015
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS049
Lead Agency:	California Public Utilities Commission	Project Phase/NTP:	Guard House and Road Widening (NTP-1). The New Admin/IM Building (NTP-2) and Central Compressor Site (NTP-3). P-41 Fill Site (NTP-2), PS-42 Fill Site, P-32 Fill Site (NTP-3) and the Natural Substation (NTP-3, NTP-A). TSP-45 and 49, and the San Fernando Substation (NTP-A). Oak Tree Mitigation Area.
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Overcast, slight breeze with mild temperatures (60 degrees). Breezy and warmer (73 degrees) by mid-day.
E & E CM:	Lara Rachowicz	Start/End time:	0915-1230 hrs at the Aliso gas field. Drove by the San Fernando Substation and TSPs 2 to 11.
Monitor(s):	Vince Semonsen		
Project Component(s):	Storage Field components, 66-kV Subtransmission Line, Telecommunications Route #1 and 3		

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 maintaining a speed limit of 15 mph on unpaved roads?	X		
Are all vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are vehicles/equipment idling unnecessarily?		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 or ramps installed at 100-foot intervals and 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? Describe: Limekiln Canyon Wash	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? Actions taken by applicant:		X	
Hazardous Materials			
Are hazardous materials stored appropriately and are procedures in place to prevent spills?	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 (7am-5pm, M-F)?	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)

Looked at the Guard House and checked the P-41 and PS-42 fill sites. Looked over the oak mitigation work and the activities associated with the Natural Substation. Checked the work at TSPs 49 and 45, the New Admin/IM Building Site, the Central Compressor Station (CCS), and the San Fernando Substation. Drove by TSPs 2-11 sites.

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

A crew is working on the outside lighting and video equipment at the guard house.

I met with Amandeep Singh who described the project activities. His onsite crew includes avian biologists doing nesting bird surveys. Two new nests have been found and they are working on buffer barriers (MM BR-8), but it does not appear they are impacting any construction sites. He said a large crew has been installing temporary BMPs within the Natural Substation Access Road area (APM GE-2).

Both the PS-42 and P-41 fill sites continue to receive soil from the Natural Substation area with many pieces of equipment working the imported dirt – see photos. Using binoculars I looked at the temporary BMPs at the bottom of the fill site and it looked like one of the diversion pipes may need some adjustment prior to another rain event. Water trucks are keeping the dust down (APM AQ-6) and the paved road down to P-41 has been kept cleared of dirt (APM AQ-7).

I saw biological monitor Juan Miranda (APM BR-1d and APM BR-6) and Paleo/Arch monitor Alison Reynolds (MM CR-1, MM CR-3, MM CR-6 and MM CR-8) at the Natural substation site. Juan said the warm weather over the weekend had brought out snakes. They moved 8 snakes on Monday of this week (APM BR-7): 5 rattlesnakes, 1 gopher snake, 1 night snake and 1 ring-necked snake. Several more were moved on Tuesday. A crew is working on the retaining wall that runs along the oak swale near the substation. Construction/exclusion fencing and straw wattles have been installed along the oak dripline – see photos. Some straw wattles have been installed down the access road but there is still a lot of open ground.

A crew was inspecting the oak cages near the scrub jay nest and was accompanied by a biological monitor. I looked at several of the oaks and they looked good – see photo.

The TSP 49 pole has been installed, the wires were moved and the old steel lattice work tower has been removed from the substation location. No work was being done at the TSP 49 site but a crew was waiting to get in and clean up the area – see photo.

A crew is working at the TSP 45 site doing the final earthwork at the pulling station – see photo. Oversight is being done by Paleo monitor Joey Raum (MM CR-1, MM CR-3, MM CR-6 and MM CR-8) and biological monitor Daniel Smith (APM BR-1d, APM BR-6). Water trucks and fire crews are also onsite. Daniel said there is a bird nest (Towhee?) up the slope from the pulling station and the birds did not seem affected by the construction activities. A rufous-crowned sparrow was heard and seen calling on the same slope above the site.

At the Central Compressor Station crews continue to work on the slope stabilization and to drill and install the compressor foundations – see photos.

I drove by the San Fernando Substation and TSPs 2-11. There is no construction activity at the various pole sites - ravens appear to be nesting in the old TSP 11 tower.

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

Nesting bird surveys are ongoing (APM BR-1c). Work crews all appear to have been trained and have been issued hardhat stickers (APM HZ-6).

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

Continue to check on BMP installation and maintenance.

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 #
N/A			

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

Temporary BMPs for the Natural Substation access road are either in place or stockpiled nearby.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
3/19/15	PS-42 Fill Site		Dirt continues to be imported and worked, with fill material being watered and spread out within the site.
3/19/15	Oak Mitigation Site		New oak seedlings look good.
3/19/15	Natural Substation Access Rd.		Excavation of the access road continues. Note the new TSP 49.

3/19/15 TSP 49






TSP 49 was installed over the weekend. SCE crews are beginning clean-up of the site.

3/19/15 Natural Substation Access Rd.



Lots of earthwork – some temporary erosion control measures (straw wattles) have been installed on portions of the access road.

3/19/15	Natural Substation Access Rd.		<p>Crews are working on a retaining wall near the oak swale. Exclusion fencing has been installed along with some BMPs.</p>
3/19/15	Natural Substation Access Rd.		<p>Some additional drain outfall work has been installed within the oak swale area.</p>
3/19/15	P-41		<p>Soil continues to be brought to the fill site from the substation work.</p>

3/19/15

Central Compressor Station



Work continues on bank stabilization in addition to drilling work for the compressor foundations.

3/19/15

Central Compressor Station



Drilling compressor foundation holes – followed by setting and pouring the cages.

3/19/15

TSP 45



Final grading of the pull site.



Aliso Canyon Turbine Replacement Project CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	March 23, 2015
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS050
Lead Agency:	California Public Utilities Commission	Project Phase/NTP:	Guard House and Road Widening (NTP-1). The New Admin/IM Building (NTP-2) and Central Compressor Site (NTP-3). P-41 Fill site (NTP-2), PS-42 Fill Site, P-32 Fill site (NTP-3) and the Natural Substation (NTP-3, NTP-A). TSP-45 and 49, and the San Fernando Substation (NTP-A). Oak Tree Mitigation Area.
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Sunny and warm (70 degrees) with a slight breeze
E & E CM:	Lara Rachowicz	Start/End time:	1100-1430 hrs at the Aliso Storage Field
Monitor(s):	Vince Semonsen, Caitlin Barns		
Project Component(s):	Storage Field components, 66-kV Subtransmission Line, Telecommunications Route #1 and 3		

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 maintaining a speed limit of 15 mph on unpaved roads?	X		
Are all vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are vehicles/equipment idling unnecessarily?		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 or ramps installed at 100-foot intervals and 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? Describe: Limekiln Canyon Wash	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? Actions taken by applicant:		X	
Hazardous Materials			
Are hazardous materials stored appropriately and are procedures in place to prevent spills?	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 (7am-5pm, M-F)?	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)

Drove by the Guard House and checked the PS-42 Fill Site and the substation work. Looked over the P-41 Fill Site and the activities associated with the Natural Substation. Checked the TSP 49 and 45 sites, the New Admin/IM Building area, and the Central Compressor Station (CCS).

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

Met with CPUC Compliance Monitor, Caitlin Barns, of E & E to show her the site and the project activities - we were accompanied by Seth Rosenberg, Environmental Project Manager. We received printouts of the nesting bird locations and the work activities.

At the PS-42 site lots of equipment is working the imported soil – see photo – with several hands using hoses to keep the dust down and moisten the soil. Discussed the possible BMP work/maintenance with Seth for down around the lower portion of the site, within the buffer zone for the red-tailed hawks.

At the Natural Substation biological monitor Juan Miranda (APM BR-1d and APM BR-6) is spot checking the work and Paleo/Arch monitor Alison Reynolds (MM CR-1, MM CR-3, MM CR-6 and MM CR-8) watched the excavation. A large excavator continues to work on the access road – see photo – with BMPs installed at regular intervals on the road banks (APM GE-2). A crew continues to work on the retaining wall near the oak swale with equipment compacting the dirt behind the wall and along the access road – see photos. Juan said he moved several more snakes (APM BR-7) from around the Kiewit trailers including a common kingsnake, making five different species of snakes relocated this spring. One nesting buffer sign remains at the site near the retaining wall but is not in the proper location. Documentation indicates this is an active nest (OATI-01) and if so additional fencing or signage is needed. I was under the impression that this was an inactive nest.

No work is taking place at the TSP 49 pole location. Some clean-up and restoration remains to be done and one piece of equipment has been parked for awhile without any bird netting placed over it.

The P-41 Fill Site continues to receive soil from the substation and all looks good – see photo. The paved roadway from the substation to the fill site has some mud on it but it is not much and they regularly clean the road (APM AQ-7). According to Seth, this site is nearly full and they will begin to install the drains and begin revegetation of the slopes soon.

Soil is being brought to the P-32 Fill Site from the CCS area. A water truck was arriving to wet down the dirt pile while we were onsite. If a spring storm comes through, some additional BMPs would likely be needed on and below the fill slope. A house finch nest was recently found in a small building near the fill site (HOFI-03) but there are no nest barrier signs or fencing.

An SCE crew is onsite at the TSP 45 site but no work was taking place. They were waiting for the go ahead to do some mixing of soil. The ARCADIS monitoring team had cleared the area and monitor Todd White said they could do the soil mixing without onsite monitors. A photo was taken of the pull site.

At the Central Compressor Station the retaining walls have been finished, crews continue to drill and install the compressor foundations, and are working on installing some drainage systems and silt fencing – see photos. A house finch nest listed as HOFI-04 was found within some piping and barrier signs have been installed. However, Seth said no barrier fencing has been installed because O&M personnel need access to this area.

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

Nesting bird surveys are ongoing (APM BR-1c). Work crews all appear to have been trained and have been issued hardhat stickers (APM HZ-6).

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

Documentation for the nesting birds needs to be updated and signage and/or fencing added or removed accordingly.

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 #
	N/A		




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

Temporary BMPs are staged or installed at the Natural Substation and Access Road area.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
3/23/15	PS-42 Fill Site		<p>Dirt continues to be imported and worked, with fill material being watered and spread out within the site.</p>
3/23/15	Natural Substation Access Rd.		<p>Excavation of the access road continues with full-time Paleo monitoring. Temporary BMPs are installed on the finished slopes.</p>
3/23/15	Natural Substation		<p>Overview of the substation.</p>

3/23/15	Natural Substation Access Rd.		Work continues on the retaining wall near the oak swale.
3/23/15	Natural Substation Access Road		Looking back upslope at the access road work from near the substation.
3/23/15	P-41		Soil continues to be brought to the fill site from the substation work.

<p>3/23/15</p>	<p>Central Compressor Station</p>		<p>Crews are working on drain installation.</p>
<p>3/23/15</p>	<p>Central Compressor Station</p>		<p>Drilling foundation holes continues with the crane setting the cages.</p>
<p>3/23/15</p>	<p>Central Compressor Station</p>		<p>A house finch nest was found in the piping (HOFI-04) – signs have been installed but there is no barrier fence due to O&M access.</p>

3/23/15

P-32 fill site



Soil continues to be brought to the fill site from the CCS.

3/23/15

TSP 45



Grading/recompaction of the pull station dirt continues.



Aliso Canyon Turbine Replacement Project CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	March 30, 2015
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS051
Lead Agency:	California Public Utilities Commission	Project Phase/NTP:	Guard House and Road Widening (NTP-1). The New Admin/IM Building (NTP-2) and Central Compressor Site (NTP-3). P-41 Fill Site (NTP-2), PS-42 Fill Site, P-32 Fill Site (NTP-3) and the Natural Substation (NTP-3, NTP-A). TSP-45 and 49, and the San Fernando Substation (NTP-A). Oak Tree Mitigation Area.
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Sunny, mild temps (70 degrees), only a slight breeze. At 1300 hrs the temp was us to 80 degrees
E & E CM:	Lara Rachowicz	Start/End time:	0830 hrs Chatsworth Substation, 1000-1300 hrs at the Aliso Storage Field.
Monitor(s):	Vince Semonsen		
Project Component(s):	Storage Field components, 66-kV Subtransmission Line, Telecommunications Route #1 and 3		

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 maintaining a speed limit of 15 mph on unpaved roads?	X		
Are all vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are vehicles/equipment idling unnecessarily?		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 or ramps installed at 100-foot intervals and 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? Describe: Limekiln Canyon Wash	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? Actions taken by applicant:		X	
Hazardous Materials			
Are hazardous materials stored appropriately and are procedures in place to prevent spills?	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 (7am-5pm, M-F)?	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)

Looked over the Chatsworth Substation. Checked the PS-42 Fill Site, the P-41 Fill Site and the activities associated with the Natural Substation. Checked the TSP 45 site, the New Admin/IM Building area, and the Central Compressor Station (CCS).

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

Met with Todd White and drove to the Chatsworth Substation. A crew had installed a vault inside the station with a small portion of trenching done outside the fence – see photos. The area outside the fence had been backfilled and restored, all looked good. A crew was inside the MEER. Todd indicated that several bird nests had been identified around the substation but they were far enough away so as not to be impacted by the work.

Met with Amandeep Singh, Seth Rosenberg (SCG Environmental Project Manager), and Seth's boss Jennifer Campbell. Seth provided updated nesting bird information, then he and Jennifer accompanied me on the site visit.

At the PS-42 site lots of equipment is working on a fill key and could not receive imported soil – see photo. Soil from the Natural Substation Access Road is being stockpiled on the well pad above the fill site. Over the weekend a pair of house finches have begun a nest in a D-8 dozer parked on the well pad. A buffer was set up around the dozer and avian biologist Rob Conohan was monitoring the work around the nest. Later in the day during a conference call with CDFW and USFWS, approval was given to remove the new nest if no eggs were present. None were found and Rob removed the nest material (the nest appeared to be half built), and the dozer was then moved down into the fill site.

At the Natural Substation biological monitor David Lohr (APM BR-1d and APM BR-6) and Paleo/Arch monitor Alison Reynolds (MM CR-1, MM CR-3, MM CR-6 and MM CR-8) were spot-checking the construction activities. Equipment and crews are working on a number of locations along the access road, including the retaining wall near the oak swale – see photos. The oak titmouse nest (OATI-01) near the retaining wall is listed as active and signs have been posted.

No work is taking place at the TSP 49 pole location but some clean-up work remains to be done. A piece of equipment is still parked at the site without any bird netting.

The P-41 fill site is full but equipment continues to work the site preparing it for permanent restoration measures – see photo.

No soil is being brought to the P-32 fill site from the CCS.

An SCE crew is onsite at the TSP 45 site doing soil mixing and compacting into the pull site – see photo. House sparrows had begun nests in two of the trucks parked onsite, and signs had been posted.

At the Central Compressor Station crews continue to drill and install the compressor foundations, and they are also working on compacting dirt behind the slope stabilization walls – see photos. A house finch nest listed as HOFI-04 was found within some of the piping and barrier signs have been installed at the reduced buffer limit.

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

Nesting bird surveys are ongoing (APM BR-1c). Work crews all appear to have been trained and have been issued hardhat stickers (APM HZ-6).

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

Documentation for the nesting birds needs to be regularly updated and buffer areas adjusted accordingly.

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 #
	N/A		

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

The oak titmouse nest (OAT1-01) near the retaining wall at the Natural Substation area is listed as active and signs have been posted.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
3/30/15	Chatsworth Substation		Overview of the area where work was done.
3/30/15	Chatsworth Substation		Vault installation was completed inside the fence with some excavation done outside of the fence.
3/30/15	Oak Mitigation Site		Oak seedlings are showing some new growth.

<p>3/30/15</p>	<p>PS-42 Fill Site</p>		<p>Equipment continues to work the incoming soil. Crews were working on a fill key.</p>
<p>3/30/15</p>	<p>Natural Substation Access Rd.</p>		<p>Access road excavation continues with dirt being taken to PS-42. Temporary BMPs are installed on the finished slopes.</p>
<p>3/30/15</p>	<p>Natural Substation</p>		<p>Overview of the substation. Equipment is working at numerous locations.</p>

3/30/15

Natural Substation Access Rd.



Work continues on the retaining wall near the oak swale.

3/30/15

Natural Substation Access Rd.



An oak titmouse nest is in the oak just down from the access road.

3/30/15 P-41 Fill Site



The site is full and work has begun on permanently closing up the site.

3/30/15 Central Compressor Station



Work on a pipe rack has begun just to the north of the CCS area.

3/30/15 Central Compressor Station



Drilling foundation holes continues with the crane setting the cages.

3/30/15

TSP 45



Grading/recompaction of the pull site dirt continues.