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January 26, 2015

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

Re: Monthly Report Summary #9 for Aliso Canyon Turbine Replacement Project

Dear Mr. Barnsdale:

This monthly report provides a summary of the compliance monitoring activities occurring during the period **December 1 to December 31, 2014** 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).

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; Conditions of Approval [COAs] for San Fernando Substation work met November 8, 2014; COAs for Wiley Canyon work met December 17, 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

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 December 3, 11, 16, 23, and 30, 2014. A Site Inspection Report was completed for each visit to summarize observed construction activities and compliance events, and to verify mitigation measures (attached).

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, provided additional compliance information and construction summaries.

Furthermore, SCG's and SCE's monthly compliance status reports for December 2014 provided robust compliance summaries and included: a description of construction activities for December 1-30, 2014; a detailed look-ahead construction schedule; summary of compliance with project commitments (APMs/MMs) for air quality, biological resources, cultural and paleontological resources, Stormwater Pollution Prevention Plan (SWPPP) measures, noise measures, and worker environmental awareness training (WEAP); and a summary of non-compliance incidents.

Compliance Incidents

During the November reporting period, CPUC/E & E raised compliance concerns with SCG about the delay in installation of temporary SWPPP best management practices (BMPs) at the PS-42 Fill Site. The rainy season typically begins in November in southern California and BMPs should be in place before an impending rain event. On November 25, compliance monitor Mr. Semonsen noted that BMPs were partially installed and crews were continuing to install them. During the December reporting period, several significant storms occurred in the project area. Mr. Semonsen visited the project site on December 3, during the end of the first storm; erosion was evident and numerous BMPs were in need of repair at the PS-42 Fill Site. E & E was concerned about the increased sedimentation throughout the area, especially because a small stream channel with riparian vegetation, which drains into Limekiln Wash, is downhill from the fill site. E & E and SCG discussed that BMPs at this site needed to be redesigned and securely reinstalled before the next storm event. Two E & E engineers assisted in this discussion, and SCG hired an erosion control specialist to assist them in stabilizing the PS-42 Fill Site. During the redesign and reintallation of the BMPs, the CPUC/E & E team asked that fill not be placed in the fill site. E & E and California Department of Fish and Wildlife (CDFW) discussed protection of the stream channel below the fill site, and subsequently E & E requested that SCG submit a Notification of Lake or Streambed Alteration to CDFW, per Fish and Game Code Section 1602. Note that SCG submitted their Notification to CDFW on December 31, 2014.

In response to the CPUC/E & E concerns and the erosion caused by the first storm, SCG added additional BMPs to the fill site, including plastic piping to divert water around the center of the fill site, and repaired existing BMPs before the next storm in mid-December. SCG also proposed additional BMPs (e.g., drain box, riprap) to CPUC for approval under MPR-02 Amendment 3. During and after the next few December storms, BMPs were more successful in preventing erosion in the area and fewer BMPs were in need of repair. However, after these two storms, Mr. Semonsen noted that some of the BMPs at the PS-42 Fill Site were damaged and in need of repair on December 23 and they were still not repaired by his next visit on December 30.

One additional compliance event of note occurred during the December 2014 monitoring period. On December 19, SCE notified E & E of the unapproved use of a tier 2 forklift on two separate occasions at the San Fernando Substation. The SCE site representative thought that since SCE crews brought in this forklift, it was approved. The site representative now knows that all equipment must be tier 3 and will check for this. In addition, SCE's compliance monitors will specifically check equipment onsite for compliance. SCAQMD daily thresholds were not exceeded the two days it was used.

Public Concerns

On Saturday, December 20 at approximately 3:00 pm, a husband and wife confronted the SCE construction crew working on TSP 4 near Wiley Canyon. The couple claimed to be property owners of the TSP 4 construction location, which was adjacent to the condominium complex where they lived. The couple thought SCE's easement only included overhead lines and thus felt SCE was trespassing on their property. However, SCE did have necessary approvals and permits to do this work. Both the couple and SCE called the sheriff's department. A police officer arrived at the project site but no citations or arrests were made. The couple then left and SCE completed the footing installation. SCE Public Affairs

attempted to contact the couple after the incident as well as reach out to the condominium homeowner association.

Minor Approvals

No minor project refinements or minor approvals were issued this month.

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

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	December 3, 2014
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS034
Lead Agency:	California Public Utilities Commission	Project Phase/NTP:	Guard House and Road Widening Component (NTP-1), the New Admin/IM Building (NTP-2), CCS Site (NTP-3). P-43 Fill Site (NTP-2), PS-42 Fill Site & the PS-42 rock site and temporary fill site. P-32 fill site (NTP-3). Natural Substation (NTP-3) and the San Fernando substation (NTP-A).
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Cool (60 degrees) with dense fog and drizzle. 2 inches of rain fell on the site over the last couple of days.
E & E CM:	Lara Rachowicz	Start/End time:	0945 hrs to 1230 at Aliso. 1300 hrs to 1345 hrs at the San Fernando Substation
Monitor(s):	Vince Semonsen		
Project Component(s):	CPUC Oversight: Guard House, New Admin/IM Building, P-41, PS-42, P-43 and P-32. CCS Site, Natural Substation, and San Fernando Substation		

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 PS-42 fill site.

Checked the work at the New Admin/IM Building Site, the CCS area and the construction activities at the Guard House.

Checked the BMPs at the Natural Substation and the work at the San Fernando Substation.

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

The Aliso site received approximately two inches of rain over the last few days. The weather was rainy during my Wednesday morning site visit. Because of the wet and muddy conditions, the only outdoor work being conducted was that of BCI work crews reinstalling BMPs. A small crew was working on the interior of the new guard house.

Amandeep Singh was onsite along with Bio Monitors Juan Miranda and Dave Lohr (APM BR-1d & APM BR-6) and Paleo monitor Dave Schroeder (MM CR-1, MM CR-3, MM CR-6 & MM CR-8). An AECOM SWPPP inspector was also onsite. The Bio monitors and the SWPPP inspector were working with the BMP crews. Amandeep Singh sent the Paleo monitor home since there were no excavations planned.

I did not visit every construction site due to restricted access and the fact that P-41 and P-43 were reportedly unimpacted by the storm, per discussions with Juan. At the PS-42 fill site, I observed significant erosion problems – see photos. The straw wattles above and below the fill key had failed due to the movement of water, mud and rock. Erosion gullies had formed down the middle of the slopes. The fill key was full of mud and rock, and water had overtopped the straw wattle along the rim of the fill key. Mud and rock washed down onto the lower access road and onto the road, which captured much of the loose material. However, water overtopped the gravel bags and straw wattles along the edge of the access road, sending muddy water down into the arroyo below the fill key, causing erosion downslope of the road. The rock riprap appeared unaffected by the runoff.

I met with Amandeep Singh and Dave Lohr at the PS-42 site and we discussed possible fixes to the BMPs below the fill key. Access was restricted because of the mud and loose rock, and work may need to be delayed until conditions improve. No more rain is predicted for at least a week.

BMPs were intact at the New Admin/IM Building Site, the Central Compressor Station (CCS) and at the Guard House. Straw wattles and gravel and rumble plates were in place at the entrance/exit locations – see photos.

No one from SCE or their monitoring staff was onsite within the Aliso site. I walked down to the Natural Substation to check on the BMPs. I observed some erosion gullies on the access road to the substation and between TSPs 47 and 48 – see photos. Sediment had not migrated into any sensitive areas in either location, and other BMPs appeared to be intact and functioning. Some grading of the access road will be needed to allow traffic into the substation.

Work was ongoing at the San Fernando substation with crews trenching and working on the bus foundations. I met with the site manager David Wehman who worked for Utility Line Management Services. He included me in the tailboard after their lunch break. Crews were all WEAP trained and possessed hard hat stickers. Paleo/Arch monitor Olivia Tierk (MM CR-1, MM CR-3, MM CR-6 & MM CR-8) was onsite overseeing the trenching operation. Olivia said she had not observed anything of significance since the excavations were occurring in fill soil. She noted that the crews were very cooperative. The foundation holes had experienced some sloughing, so the concrete pour was postponed until Friday. The holes were tightly covered with tarps in the interim.

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

Except for PS-42, BMPs looked sufficient at the other site locations of the project. No mud was observed being tracked offsite.

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

BMPs at PS-42 need to be redesigned and reinstalled before the next storm system arrives.

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.

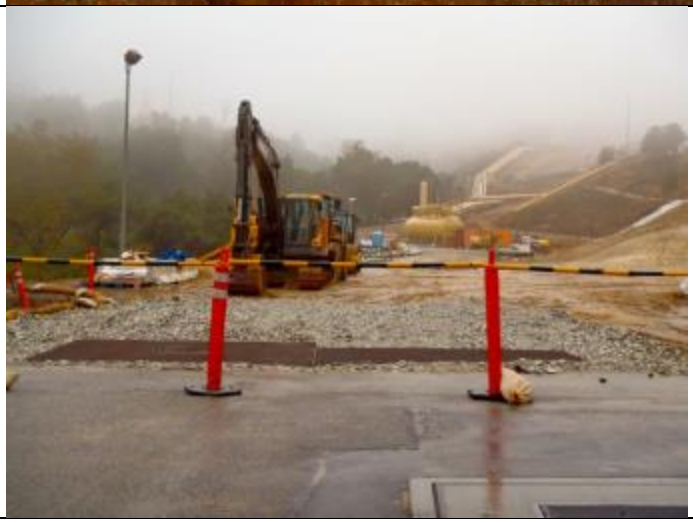
☐ Non-compliance issues reported by SoCalGas or SCE: Were there any new non-compliance issues reported by SoCalGas or SCE monitors since your last visit? If so, describe issues and resolution and include SoCalGas or SCE report identification number.

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
12/03/14	Well Pad above the PS-42 Fill Site.		Corrugated Black Plastic Pipe stockpiled on the well pad.
12/03/14	PS-42 Fill Site – Lower access road		Looking up at the PS-42 fill key from the lower access road. Straw wattle has been "blown out" and mud and rock have been deposited on the access road.
12/03/14	PS-42 Fill Site – Lower access road		Lower access road looking across to the drainage gully. Gravel bags held back mud and rock but muddy water overtopped these BMPs.

12/03/14	PS-42 Fill Site – Riprap below the lower access road		Looking down into the drainage channel just below the lower access roadway.
12/03/14	PS-42		Looking up the steep slope toward the fill key from the lower access road. Note the blown out straw wattles and the erosion rills.
12/03/14	PS-42		The fill key at PS-42 – note that it is full of mud and rock, and water had overtopped the straw wattle.

12/03/14	SCE - Natural Substation.		Steep portion of the access road with an erosion scar running down the inside edge of the roadway.
12/03/14	SCE Natural Substation		Erosion rill located between TSP 47 and 48.
12/03/14	Central Compressor Station		Exit/Entrance BMPs of gravel and shaker plates have been installed.

12/03/14	Central Compressor Station		BMPs at the CCS .
12/03/14	Guard House		The only Guard house work was inside the building - Exit/Entrance BMPs of gravel and shaker plates have been installed.

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	December 11, 2014
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS035
Lead Agency:	California Public Utilities Commission	Project Phase/NTP:	Guard House and Road Widening Component (NTP-1), the New Admin/IM Building (NTP-2), CCS Site (NTP-3). P-43 Fill Site (NTP-2), PS-42 Fill Site & the PS-42 rock site and temporary fill site. P-32 fill site (NTP-3). Natural Substation (NTP-3) and the San Fernando substation (NTP-A).
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Cool (56 degrees), overcast and breezy with some fog. A storm is predicted to arrive this evening. Slight drizzle on and off as I leave the site.
E & E CM:	Lara Rachowicz	Start/End time:	1100 to 1200 hrs at San Fernando Substation; 1230 hrs to 1500 hrs at the Aliso gas field
Monitor(s):	Vince Semonsen		
Project Component(s):	CPUC Oversight: Guard House, New Admin/IM Building, P-41, PS-42, P-43 and P-32. CCS Site, Natural Substation, and the San Fernando Substation		

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 PS-42 fill site.

Checked the work at the New Admin/IM Building Site, the CCS area and the construction activities at the Guard House.

Checked the BMPs at the Natural Substation, the work at TSP 45, and the work at the San Fernando Substation.

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 fairly large and intense rainstorm is predicted to arrive in the Granada Hills area tonight so checking BMPs was important.

I stopped at the San Fernando Substation at around 11 am to check on the SCE construction activities. I met with site manager David Wehman. Also onsite was Cecilio Garcia, the Paleo/Arch monitor working with Todd White of Arcadis. Cecilio was overseeing the excavation of the transmission vault that will be about 10 x 15 foot in length and width and12 feet deep – see photo. While I was onsite the backhoe hit an older clay sewer pipe - Cecilio documented the location and David was checking to see what they should do about it. A number of bus foundations had been poured, and one more pour is scheduled for today. The site was clean and orderly with an effective concrete washout setup. All of the crew members had WEAP stickers.

At 12:30 pm I arrived at the Aliso gas field site and checked in at the trailers where I talked with Jim Strader about the BMP work and the incoming storm. Jim said they had hired a specialist in the erosion control field to assist them in stabilizing the PS-42 fill site. I drove to PS-42 where I saw Bio Monitor Juan Miranda (APM BR-1d & APM BR-6) and Seth Rosenberg, who were overseeing and assisting with the BMP installation. Seth gave me an update on the other project activities. A large BCI crew is working on the temporary BMP measures. The straw wattles have been reestablished and they are putting in the last of the plastic sheeting below the fill key. They still needed to put a number of gravel bag check dams across the central fill site road, otherwise the site was nearly complete - see photos.

Diversion piping has been installed to redirect flows around the PS-42 fill site – the pipes seem to have been well connected and well anchored so they won't come apart or slide downslope - see photos. Most of the previous erosion issues at PS-42 were attributed to stormwater runoff coming from above the site. The new diversion piping is designed to capture the inflow from four drop inlet locations and then connect into two pipes that will dump into the riprap below the access road. I was concerned about the pipes hanging out over the rock riprap with no assurance of where the water would land – see photo. I brought this up with Amandeep Singh and he showed me some photos of a trial run they conducted by running water down one of the piping systems the water was landing right on the riprap (as seen in the photo). I am still concerned about the unanchored exit pipe because an intense storm could change the amount of water and/or shift the piping so that it misses the riprap.

Amandeep Singh and I drove down to the Natural Substation. SCE has yet to install TSP 49. The erosion rill down the steep access road had been "track rolled" but no new preventative measures had been installed. I expect this area will erode again. The small erosion scar between TSP 47 and 48 has not been fixed.

A crew was working at the TSP 45 site where they continued to excavate the area for the permanent pull pad. Todd White was onsite along with a Paleo monitor and the SWPPP inspector Katie Laird. The dirt was being stockpiled on the nearby well pad. The fire crew was parked within an old roadway that was not approved for use. I mentioned this to Todd White and he asked them to move. Crews began shutting down a little before 3 pm so they could install BMPs. Katie Laird stated that she had a plan for how and where the erosion and sediment control materials were to be placed.

A crew was working at P-41 continued to prepare the fill site. Crews were also working on the BMPs at the New Admin/IM Building Site and at the Guard House.

At the Central Compressor Station (CCS) there is a lot of work going on with crews moving dirt, track rolling slopes, cleaning

out "V" ditches and applying concrete to a slope – see photos. Bio Monitor Dave Lohr and Paleo monitor Dave Schroeder (MM CR-1, MM CR-3, MM CR-6 & MM CR-8) are at the CCS site. All the work activities looked good but it was late in the afternoon (3 pm) and there looked to be a lot of BMPs still needed to be installed. I discussed this with the Dave Lohr and Dave Wehman and they confirmed that the BMPs would be installed before the crews left the site.

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

Crews had all been trained with hard hat stickers. BMPs looked good throughout most of the project with no locations seen where mud had been tracked out onto the roadways.

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

The new system of BMPs at PS-42 should be evaluated following the storm system.

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 #

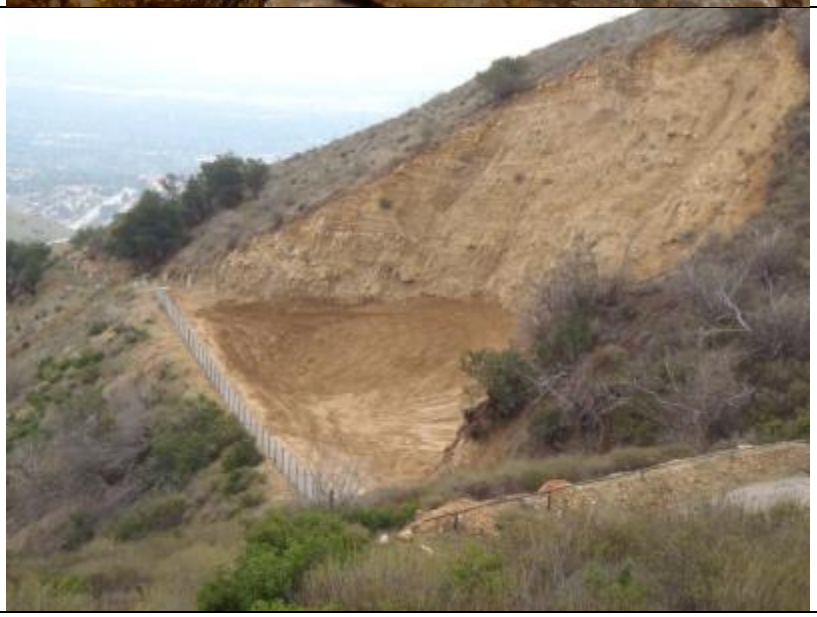
PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

Continuing to check BMP installation and maintenance

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
12/11/14	San Fernando Substation.		Excavation of the transmission vault.
12/11/14	San Fernando Substation.		A number of bus foundations have been poured – several additional foundations are ready to be poured.

12/11/14	PS-42 Fill Site – looking west across toward the PS-42 temporary fill site.		Straw wattles have been maintained and diversion piping has been installed.
12/11/14	PS-42 Fill Site – looking down toward the fill key.		Temporary BMP installation. Note the plastic-lined slope below the fill key.

12/11/14	PS-42 Fill Site		Looking up the steep slope toward the fill key from the lower access road. Note the diversion piping and the plastic sheeting.
12/11/14	PS-42 Fill Site		Diversion piping outflow onto the riprap below the lower access road.

12/11/14	PS-42 Fill Site		Diversion piping outflow looking up from the riprap.
12/11/14	P-41		Preparation work at fill site P-41.

12/11/14	Central Compressor Station		Spraying concrete onto a steep slope.
12/11/14	Central Compressor Station		Earth work within the CCS.
12/11/14	Central Compressor Station		Equipment track walking slopes at the CCS. A crewmember is cleaning out the V ditch below the slope.

12/11/14	Guard House		Guard house work was inside the building - BMPs are in place ahead of the storm.
12/11/14	TSP 45		Soil stockpile on an existing pad near TSP 45
12/11/14	Pull site at TSP 45		Excavation work for the pull site at TSP 45

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	December 16, 2014
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS036
Lead Agency:	California Public Utilities Commission	Project Phase/NTP:	Guard House and Road Widening Component (NTP-1), the New Admin/IM Building (NTP-2), CCS Site (NTP-3). P-43 Fill Site (NTP-2), PS-42 Fill Site & the PS-42 rock site and temporary fill site. P-32 fill site (NTP-3). Natural Substation (NTP-3) and the San Fernando substation (NTP-A).
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Cool (51 degrees), overcast, breezy with a bit of drizzle. A storm is predicted to arrive this evening.
E & E CM:	Lara Rachowicz	Start/End time:	1000 hrs to 1330 hrs at the Aliso gas field; 1400 to 1430 hrs at San Fernando Substation
Monitor(s):	Vince Semonsen		
Project Component(s):	CPUC Oversight: Guard House, New Admin/IM Building, P-41, PS-42, P-43, and P-32. CCS Site, Natural Substation, and the San Fernando Substation		

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 PS-42 fill site, the P-41 fill site and the P-32 fill site.

Checked the work at the New Admin/IM Building Site, the CCS area, and the construction activities at the Guard House.

Checked the work at TSP 45 and the San Fernando Substation.

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

It was a wet few days since my last site visit with a large storm (1.3 inches) passing through on Thursday night (12/11), another on Monday night, and another predicted for tonight (Tuesday 12/16).

There was no work around the outside of the guard house and the new roadway was still covered in plastic. A small crew was working on the interior of the building.

At PS-42 there was no activity but crews were maintaining BMPs. The new erosion control measures seemed to have held up well during the last couple storms. The diversion piping and riprap was still intact. The plastic sheeting looked to have stabilized the steep slope. There was some erosion of the access road just above the riprap and next to the piping. Some of the gravel bags lining the road had fallen into the riprap and down the slope. Some additional bags had been placed along the edge of the road to slow any future damage – see photos.

The only activity at the Natural Substation was a survey crew working at the site.
I looked at the TSP 49 site and it did not have any serious erosion problems.
Some BMPs had been installed within the P-41 fill site, otherwise the site was closed.
A small crew was working on the BMPs in and around the P-32 fill site.

At the New Admin/IM Building site, a crew was pumping out an excavated area that had collected a large pool of rainwater runoff – see photos. There was a filtering device on the outflow hose, and, according to Bio Monitor Anna Lohr (APM BR-1d & APM BR-6), there was a filter on the intake hose. The water looked quite clear as it entered the "V" ditch. The pumping equipment, including a gas can, was sitting by the edge of the hole without any containment. Some of the BMPs on the slopes of the site had not been maintained; specifically, the sediment captured behind the straw wattles needed to be cleaned out and holes under the wattles needed to be filled. I pointed this out to Anna Lohr and she said she would talk with the contractor.

At the Central Compressor Station (CCS) there was a lot of activity with crews moving dirt and grouting the nail walls – see photos. A photo is included of the wall that was grouted last Thursday just before the large storm system. It appears to have successfully weathered the storm. BMPs in the CCS area also needed some additional maintenance work.

At the TSP 45 site a crew continues to excavate the area for the pull pad. Todd White is onsite along with a new Paleo monitor Daniel Nolan (MM CR-1, MM CR-3, MM CR-6 & MM CR-8), the SWPPP inspector Katie Laird, and a fire crew. The dirt is being stockpiled on the nearby well pad. According to Katie Laird the site had no erosion issues following the storms that moved through the area during the last few days.

At the San Fernando Substation I met with site manager David Wehman and the Paleo/Arch monitor David Schroeder. The excavation of the transmission vault where the clay pipe was located last week lead to an underground brick structure - see photos. The excavation work has been on hold while an archeologist evaluates the feature. Other construction activities include the ongoing drilling and pouring of foundations within the substation.

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

Appropriate monitors are all onsite overseeing the construction crews. All personnel have been WEAP trained and are

wearing hardhat stickers. Mud is not being tracked onto the roadways.

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

BMPs throughout the project site should be regularly checked and maintained after each 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 #

PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY: BMPs should continue to be maintained and improved where necessary

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
12/16/14	PS-42 Fill Site.		Additional temporary BMPs look to have held up well during the past storms, except for the few gravel bags that rolled down the slope.
12/16/14	PS-42 Fill Site – Looking up toward the fill key.		Temporary BMP installation - Note the plastic lined slope below the fill key.
12/16/14	PS-42 Fill Site - piping outflow		Diversion pipe outflow - some of the road bank next to the piping was eroded away dropping gravel bags into the drainage. Crews came through and added additional bags.

12/16/14	P-32 Fill Site		BMP maintenance work is taking place.
12/16/14	New Admin/IM Building Site		Pumping out the runoff rainwater that collected in the excavation – note there is no containment of the pump or the gas can.
12/16/14	New Admin/IM Building Site		BMPs on the slopes needing maintenance.

12/16/14	Central Compressor Station		Cut and fill work.
12/16/14	Central Compressor Station		Grouting equipment is well contained.
12/16/14	Central Compressor Station		Wall grouted in the late afternoon just before the large storm on Thursday 12/11/14.

12/16/14	Pull site at TSP 45		Excavation work for the pull site continues.
12/16/14	San Fernando Substation.		Excavation of the transmission vault – note the brick structure discovered in the center of the vault.
12/16/14	San Fernando Substation.		Most of the bus foundations have been poured.

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	December 23, 2014
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS037
Lead Agency:	California Public Utilities Commission	Project Phase/NTP:	Guard House and Road Widening Component (NTP-1), the New Admin/IM Building (NTP-2), CCS Site (NTP-3). P-43 Fill Site (NTP-2), PS-42 Fill Site & the PS-42 rock site and temporary fill site. P-32 fill site (NTP-3). Natural Substation (NTP-3), TSP 45 (NTP-A), and the San Fernando substation (NTP-A).
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Warm (71 degrees), clear, and blustery morning with gusts up to 25 mph. Similar conditions continued throughout the day.
E & E CM:	Lara Rachowicz	Start/End time:	0900 hrs to 1230 hrs at the Aliso gas field; 1300 to 1330 hrs at San Fernando Substation
Monitor(s):	Vince Semonsen		
Project Component(s):	CPUC Oversight: Guard House, New Admin/IM Building, P-41, PS-42, P-43, and P-32. CCS Site, Natural Substation, TSP 45, and the San Fernando Substation.		

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 two locations (P-27 & P-69) with Amandeep Singh that are being proposed for additional staging areas. We also looked briefly at the proposed oak mitigation site, where we observed six male blacktail deer (all with antlers).

Checked the PS-42 fill site and the P-41 fill site.

Checked the work at the New Admin/IM Building Site, the Central Compressor Station (CCS), and the construction activities at the Guard House.

Checked the work at TSP 45 and the San Fernando Substation.

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 small crew continued working on the interior of the Guard House.

At PS-42, no work was being done. The BMPs needed some maintenance, including reestablishing the plastic sheeting below the fill key and some erosion prevention measures along the lower access road just before the diversion piping – see photos. The ends of the diversion piping have not been anchored yet. There are no storms predicted for the near future but crews should be ready to implement the needed repairs if rain is predicted.

Several pieces of equipment were working the dirt piles at the P-41 fill site, trying to dry it out for eventual compaction – see photo. I saw Olivia Tierk at the P-41 site; she is the onsite Arch/Paleo monitor (MM CR-1, MM CR-3, MM CR-6 & MM CR-8) spot-checking all of the project activities. She said the work at P-41 did not require a lot of oversight because they are only reworking fill material.

There was no work at the Natural Substation.

Crews were maintaining BMPs at the New Admin/IM Building Site – see photo.

At the CCS, crews were moving dirt and building retaining walls with proper oversight – see photos. Some of the BMPs were still in need of some maintenance work.

At the TSP 45 site, crews were backfilling the excavation for the pull pad. Todd White was onsite along with Paleo monitor Daniel Nolan (MM CR-1, MM CR-3, MM CR-6 & MM CR-8) and the SWPPP inspector Katie Laird. Fire crews were also onsite monitoring the wind speeds, which were gusting up into the high 20s. I mentioned to the SWPPP inspector that the plastic covering on the stockpiled topsoil was partially blown off. She responded that she would tell the crew to anchor the covering so it wouldn't blow off.

At the San Fernando Substation, I met with site manager David Wehman and the Paleo/Arch monitor Cecilio Garcia. The transmission vault had been installed and backfilled. A cement truck was onsite pouring the last of the foundations. I watched as the truck was washed out in the containment area – see photos.

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

Appropriate monitors are all onsite overseeing the construction crews. All personnel have been WEAP trained and are wearing hardhat stickers. Crews are preventing mud from being tracked out onto the roadways.

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

BMPs throughout the project site should be regularly checked and maintained after each 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.

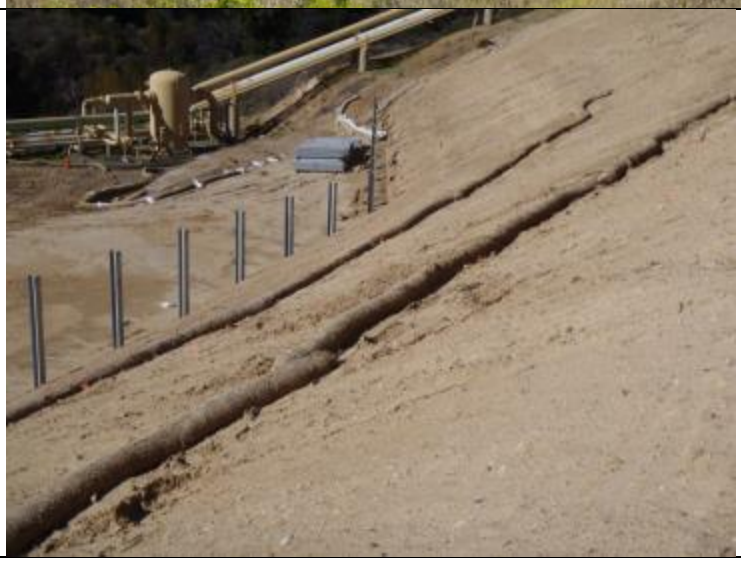
☐ Non-compliance issues reported by SoCalGas or SCE: Were there any new non-compliance issues reported by SoCalGas or SCE monitors since your last visit? If so, describe issues and resolution and include SoCalGas or SCE report identification number.

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

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

Continued inspection of BMP maintenance.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
12/23/14	PS-42 Fill Site, lower access road.		Some additional BMP work is needed along the access road below the PS-42 fill site. Water overtops the straw wattle seen in the photo and erodes the bank.
12/23/14	PS-42 Fill Site – Diversion piping.		Diversion piping has yet to be anchored.

12/23/14	PS-42 Fill Site – Temporary BMPs.		Plastic sheeting installed below the fill key is in disrepair and needs some attention before the next storm system.
12/23/14	P-41 Fill Site		Equipment is mixing dirt at the site.
12/23/14	New Admin/IM Building Site		BMPs have been maintained with captured sediment removed and holes under the wattles filled in.

12/23/14	Central Compressor Station		Earthwork at the CCS.
12/23/14	Central Compressor Station		Earthwork at the CCS.
12/23/14	Pull site at TSP 45		The pull site is now being backfilled and compacted.
12/23/14	TSP 45 soil stockpile		Topsoil stockpile near the TSP 45 site – note the plastic covering is coming off due to high winds.

12/23/14	San Fernando Substation.		Transmission vault has been installed and backfilled. Cement truck is onsite pouring the concrete foundations.
12/23/14	San Fernando Substation.		Crew pouring more of the bus foundations.

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	December 30, 2014
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS038
Lead Agency:	California Public Utilities Commission	Project Phase/NTP:	Guard House and Road Widening Component (NTP-1), the New Admin/IM Building (NTP-2), CCS Site (NTP-3). P-43 Fill Site (NTP-2), PS-42 Fill Site & the PS-42 rock site and temporary fill site. P-32 fill site (NTP-3). Natural Substation (NTP-3) and the San Fernando substation (NTP-A).
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Cold (46 degrees) and overcast with a slight breeze. Winds picked up thru the morning; there is a 30% chance of rain tonight.
E & E CM:	Lara Rachowicz	Start/End time:	0830 hrs to 1115 hrs at the Aliso gas field; 1145 to 1230 hrs at San Fernando Substation
Monitor(s):	Vince Semonsen		
Project Component(s):	CPUC Oversight: Guard House, New Admin/IM Building, P-41, PS-42, P-43, and P-32. CCS Site, Natural Substation, and the San Fernando Substation		

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 PS-42 fill site, the P-32 fill site, the P-41 fill site, and the Natural Substation.

Checked the work at the New Admin/IM Building Site, the Central Compressor Station (CCS), and the construction activities at the Guard House.

Checked the work at the San Fernando Substation.

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

Rebar has been placed and concrete trucks are pouring the roadway around the Guard House. The crew all appeared to have been WEAP trained and the concrete washout setup was effective – see photo.

At PS-42 a small crew was working on upgrading the temporary BMPs at the site by adding some additional straw wattle to the steep slopes. The plastic sheeting below the fill key remained in the same condition it was last week and needed to be repaired or replaced – see photo. Some erosion prevention measures along the edge of the lower access road also needed to be addressed.

A small crew was clearing vegetation around the Natural Substation access road.

At the PS-42 temporary rock fill site, the silt fencing had been replaced by straw wattle. Silt fencing did not hold up in windy locations and was often damaged.

Several pieces of equipment were working the dirt piles at the P-41 fill site – see photo. I saw David Schroeder at the P-41 site; he is the onsite Arch/Paleo monitor (MM CR-1, MM CR-3, MM CR-6 & MM CR-8) spot-checking all of the project activities. He said he might be leaving the site soon since the work at P-41 was not impacting any new soil and they were done excavating at the CCS site.

A lot of earthwork continues at the CCS with equipment moving and compacting dirt and building retaining walls – see photos. All looked good with the proper oversight monitors in place. BMPs have been maintained around the site.

There was no work taking place at TSP 45.

At the San Fernando Substation I met with site manager David Wehman, SCE representative Klaus Wojak, and the Paleo/Arch monitor Cecilio Garcia. The conduit trench had been excavated to the transmission vault and the conduit was being filled with concrete. The same concrete washout set-up is in place and working well. The crews were also trenching to reroute some electrical lines – see photos. Cecilio Garcia did not find anything of significance as all of the excavations have been in disturbed soil.

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

Appropriate monitors are all onsite overseeing the construction crews (APM BR-6, MM CR-8). All personnel have been WEAP trained and are wearing hardhat stickers (APM HZ-6). Crews are doing a good job of keeping mud from being tracked out onto the roadways (APM AQ-7).

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

BMPs throughout the project site should be regularly checked and maintained after each storm (APM GE-2).

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:

Proper maintenance of BMPs needs to continue.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
12/30/14	PS-42 Fill Site, lower access road.		The plastic sheeting in disrepair. Additional BMP work is needed along the access road beause water has overtopped the straw wattle and gravel bags along the edge of the road.
12/30/14	P-41 Fill Site		Equipment mixing and spreading dirt at the site.
12/30/14	P-32 Fill Site		A small crew adding road base to the fill site access road.

12/30/14	Central Compressor Station			Crews continue to move dirt and stabilize the slopes of the CCS.
12/30/14	Central Compressor Station			Dirt being recompacted into the CCS area.
12/30/14	Guard House			The rebar has been installed and concrete is being poured in the roadway along the west side of the guard house.

12/30/14	San Fernando Substation.		The trench has been dug and the conduit is being laid to the transmission vault.
12/30/14	San Fernando Substation.		Electrical lines are being rerouted within the Substation. All of the earthwork is being overseen by the Paleo/Archeo monitor.