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November 6, 2015

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

Re: Monthly Report Summary #18 for Aliso Canyon Turbine Replacement Project

Dear Mr. Barnsdale:

This monthly report provides a summary of the compliance monitoring activities occurring during the period of **September 1 to 30, 2015**, for the Aliso Canyon Turbine Replacement (ACTR) Project (Aliso) in California. Compliance monitoring was performed to ensure that all project-related activities conducted by Southern California Gas Company (SCG), Southern California Edison (SCE), and their contractors are in compliance with the requirements of the Final Environmental Impact Report (Final EIR) for Aliso, as adopted by the California Public Utilities Commission (CPUC) on November 14, 2013 (CPUC Notice of Determination).

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

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

Onsite compliance monitoring by the Ecology and Environment, Inc. (E & E) compliance team during this reporting period focused on weekly spot-checks of ongoing construction activities. Compliance

monitor Vince Semonsen visited the Aliso construction site on September 3, 10, 15, 24, and 30, 2015. Site inspection reports that summarize observed construction activities and compliance events and verify mitigation measures (MMs) were completed for each visit. Reports are attached below (Attachment 1).

Overall, the project has maintained compliance with the Mitigation Monitoring, Compliance, and Reporting Program's (MMCRP) Compliance Plan. Communication between the CPUC/E & E compliance team and SCG and SCE has been regular and generally effective, with approximately daily correspondence to discuss and document compliance events, upcoming compliance-related surveys and deliverables, and the construction schedule. Weekly agency calls between CPUC/E & E, SCG, and SCE, along with weekly email updates from SCG and SCE, provided additional compliance information and construction summaries. Furthermore, SCG's and SCE's monthly compliance status reports for September 2015 provided compliance summaries and included: a description of construction activities for September 1 to 30, 2015; a detailed look-ahead construction schedule; a summary of compliance with project commitments (applicant proposed measures [APMs]/MMs) for air quality, biological resources, cultural and paleontological resources, Storm Water Pollution Prevention Plan (SWPPP) measures, noise measures, and the worker environmental awareness training program (WEAP); and a summary of non-compliance incidents.

Minor Incidents

Several minor incidents occurred during the reporting period. These incidents were self-reported and quickly resolved by SCE and SCG soon after they occurred. These incidents are summarized below.

Incidents that were reported, documented, and resolved by SCE, include the following:

- On September 2, 2015, the emergency brake on a skip loader failed while the vehicle was parked on the access road near TSP 25. The unoccupied skip loader slid down the access road and hit a Polaris all-terrain vehicle (ATV). Both vehicles continued to slide down an embankment for several hundred feet. The skip loader came to rest after colliding with a dump truck. The Polaris ATV came to rest on the access road. No injuries occurred. Three quarts of motor oil from the skip loader and two gallons of radiator fluid from the dump truck were spilled. The spilled material and surrounding soil were collected and moved offsite for proper disposal. SCE conducted a stand down meeting with the contractor and implemented the following changes: larger chocks will be placed behind the tires of parked vehicles; operators will stay with vehicles/equipment when parking on inclines; vehicles/equipment will be parked on level ground if left overnight; and wheels will be turned to face the uphill portions of slopes. SCE completed an incident report the day after the accident and submitted the report to the CPUC.
- On September 8, 2015, a fallen oak tree was found near the entrance of the TSP 24/25 access road in the Crescent Valley Mobile Estates (Mobile Estates). An arborist examined the tree and determined the tree had rotted roots, which was the likely reason it fell.
- On September 21, 2015, SCE reported that they had observed their contractor, Henkels & McCoy, creating large plumes of dust on three separate occasions while transporting and depositing gravel between TSPs 21 and 24. After notifying construction crews twice, additional water was applied.

Incidents that were reported, documented, and resolved by SCG, include the following:

- On September 19, 2015, a project subcontractor temporarily staged up to six trucks in the cul-de-sac at the intersection of Tampa Avenue and Sesnon Road, an area outside of the project boundary. These trucks were staged for approximately 45 minutes until the subcontractor was notified to move the vehicles onsite to an approved parking area. The contractor that hired the

subcontractor will begin to include their environmental representative on all communication with new subcontractors prior to their arrival.

Los Angeles County Department of Public Works

In early September 2015, the Los Angeles County Department of Public Works (LADPW) began work in the drainage that runs adjacent to and crosses under the TSP 24/25 access road. This work was in response to the fire that burned parts of the watershed above the drainage (see E & E's June 2015 Monthly Report). On several days throughout the month, LADPW crews worked to install debris dams and remove trash and plant litter from the drainage. Given the significant overlap between LADPW and SCE's work areas, SCE documented the County's work and scheduled their own work to avoid concurrent operations.

Photographs and written descriptions provided by SCE during September document several consequences of LADPW work that, if resulted from SCE's work, would be considered out of compliance with project commitments. SCE included documentation of the following:

- Indentations from Caterpillar equipment tracks on the road to the Mobile Estates;
- A County water truck washing muddy water into the drainage adjacent to the Mobile Estates;
- Damage to two oak trees on the TSP 24/25 access road;
- County vehicles congesting roadways by parking and staging throughout the Mobile Estates;
- Cut a road into the drainage adjacent to the Mobile Estates;
- Removed SCE's stabilized construction entrance to the TSP 24/25 access road;
- Trackout on the Mobile Estates paved road; and
- Damage to a unit's retaining wall at the entrance to the TSP 24/25 access road.

Public Concerns

During the month of September 2015, SCE's Public Affairs Representative was contacted nine times by a resident of the Mobile Estates. The resident contacted SCE's Public Affairs Representative to express numerous concerns regarding dust, noise, speeding vehicles, unauthorized vehicle parking, oak tree damage, road damage, the legality of SCE's use of roads within the Mobile Estates, and the adequacy of the environmental review for the project. To address the resident's concerns, SCE investigated the complaints and determined that the Mobile Estates roads were sufficiently protected through the use of mats to pad the surface, there was no evidence that project vehicles were speeding, and LADPW vehicles, not SCE or its contractor's vehicles, were parking in unapproved areas. SCE consulted with the arborist regarding impacts to the oak tree roots from project equipment, and it was determined that the tree was adequately protected and had not suffered additional damage beyond what was already documented (see E & E's July 2015 Monthly Report). SCE reminded its contractors to park only in the project's designated parking area and to keep vehicle speeds low. SCE is continuing to develop a response to address the resident's additional concerns.

On September 15, 2015, the Mobile Estates property manager's attorney sent a letter to SCE discussing "overburden of SCE's easement." SCE's law department is working to address the property manager's attorneys.

On September 21, 2015, another Mobile Estates resident contacted SCE claiming that dust generated by a street sweeper had been blown inside her two vehicles. The resident requested car wash vouchers; the vouchers were provided to the resident by SCE's Public Affairs Representative during a subsequent visit to the Mobile Estates.

Approvals

During September 2015, NTP-E and MPR-H were issued for SCE to complete telecommunication line work and modify TSP 49's access road construction. One Tier 3 Waiver was approved, and several other E-mail Approvals were granted (Table 1).

Table 1: Approvals for September 2015

Description	Approval Date
E-mail Approval to deliver transformers and metal plates (5 total truck trips) to the Storage Field before 6:00 a.m. (as required by the Department of Transportation Permit) on Saturday/Sunday. (SCE)	September 10, 2015
NTP-E for additional construction and installation associated with Telecommunication Routes 1, 2, and 3. (SCE)	September 16, 2015
E-mail Approval to apply road base to a 0.5-acre helicopter landing zone near TSP 30. (SCE)	September 18, 2015
E-mail Approval to use three disturbed areas for temporary staging/parking and to expand the grading footprint of the new CCS Tie-In area. (SCG)	September 21, 2015
E-mail Approval to use four portions of Porter Fee Road for parking and staging. (SCG)	September 23, 2015
Tier 3 Waiver for a Tier 0 Drill Rig to drill the pipe support pile at the CCS. (SCG)	September 25, 2015
MPR-H for constructing the TSP 49 access road. (SCE)	September 25, 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

September 3, 10, 15, 24, and 30, 2015

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	September 3, 2015
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS069
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Partly cloudy and cool in the morning; clearing and warming later in the day.
E & E CM:	Lara Rachowicz	Start/End time:	0700 to 0930 at TSPs 12 through 25. 1000 to 1230 at the Aliso Canyon Natural Gas Storage Field.
Project NTP(s):	Guard House and Road Widening (NTP-1). The new Admin/IM Building (NTP-2) and Central Compressor Station (CCS) (NTP-3). P-41 Fill Site (NTP-2), PS-42 Fill Site, P-32 Fill Site (NTP-3), and the Natural Substation (NTP-A, NTP-D). TSPs 2 through 42 (NTPs A, C, and D) and the SCE 210 Freeway Yard.		

SITE INSPECTION CHECKLIST

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

Are all excavations and trenches covered at the end of the day?	X		
Are ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		
Biology			
Have preconstruction surveys been completed for biological (wildlife, nesting birds, gnatcatcher, least Bell's vireo) resources as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?	X		
Have wildlife been relocated from work areas?		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)?		X	
Did you observe any threatened or endangered species? List:		X	
Are there wetlands or water bodies present near construction activities?	X		
Have there been any work stoppages for biological resources?		X	
Cultural and Paleontological Resources			
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?	X		
Are archaeological and paleontological monitors onsite if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?	X		
Have there been any work stoppages for cultural/paleo resources?		X	
Hazardous Materials			
Are hazardous materials stored appropriately?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are appropriate fire prevention and control measures in place?	X		
Is contaminated soil properly handled or disposed of, if applicable?	X		
Work Hours and Noise			
Are night lighting reduction measures in place, as needed?			X
Is construction occurring within approved hours?	X		
Are noise control measures in place within 100 feet of sensitive receptors as needed?			X

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

I checked the SCE work in the Wiley Canyon area (TSPs 21 through 25) and behind the Aliso Canyon Natural Gas Storage Field at TSPs 40, 41, and 42. I inspected the PS-42 Fill Site and the activities associated with the Natural Substation and the Natural Substation access road. I checked the CCS. I also checked the Oak Tree Mitigation Site.

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

I arrived at the TSP 27 through 32 access road and met with biological monitor Daniel Smith (APM BR-1d and APM BR-6). The morning tailboard meeting was canceled due to an incident at the TSP 25 site. Work was temporarily postponed because SCE was having a safety stand-down in the 210 Freeway Yard.

I traveled with Daniel Smith along the access road to observe construction progress and noted the incident at the TSP 25 site – see photos. While it was not immediately evident what caused the incident near TSP 25, a front loader and a Polaris ATV had slid off the access road near TSP 25 and had fallen down the embankment to the lower portion of the same access road.

At TSP 25, crews had been working on a Hilfiker wall near the pole location; the crew was using dirt from the foundation hole to build the wall – see photo. Materials for this wall and Hilfiker walls along the access road were stockpiled in the drainage – see photo. This is a jurisdictional drainage that is scheduled to be restored after the pole work is complete.

I traveled with Daniel Smith to the access road from TSP 12 to 22; no work was taking place. The roads were generally well compacted with very little dust (APM AQ-3, APM AQ-6). Some materials remained stockpiled at TSP 15, including the topsoil for TSP 21. Equipment was parked at TSP 21, and some work remains, including wire pulling, the removal of the old tower, and subsequent site restoration (APM BR-3) – see photo. Some BMPs along the access roadway near TSP 21 require maintenance (APM GE-2).

I drove to the Aliso Canyon Natural Gas Storage Field and checked in at the ACTR office. I spoke with Jennifer Campbell and Amandeep Singh about the project and the environmental monitoring. I noted the new newt crossing signs, which are larger and more visible – see photo. The pool near the Guard House was dry.

I traveled to the PS-42 Fill Site and met with Amandeep Singh to examine the culvert replacement work. No work was being conducted during my site visit. Amandeep stated that SCG is getting bids together to finish the work. Some additional riprap had been placed around the culvert outfall, including below the culvert – see photo.

At the Natural Substation, crews continued to excavate, form/pour foundations, and install equipment – see photos. A crew was scheduled to install the TSPs near the Natural Substation. Paleontological monitor Joey Raum was onsite (MM CR-1, MM CR-3, MM CR-6, and MM CR-8) to observe the excavation work.

I met with biological monitor Brian Karpman along the access road. Brian drove me to TSPs 40, 41, and 42. Expansion of the access road was in progress, with major excavation (i.e., over-excavation and backfilling) being conducted on the access road at the TSP 40 location – see photos. Paleontological monitor Allison Reynolds was onsite overseeing this work. Allison said she had found only a couple of fish scales. Most of the construction limits had been fenced with orange construction fencing or silt fencing (APM BR-5). Dust control was working well (APM AQ-3, APM AQ-6), and a fire crew was onsite (MM HZ-2).

At the CCS, work continued within the site, including conduit installation and forming and pouring foundations – see photos. Some piping was being installed down the slope above the facility – see photo. Biological monitor Juan Miranda was overseeing this portion of the project.

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

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

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

Check on the dust control activities.

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

COMPLIANCE SUMMARY

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

☐ 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.

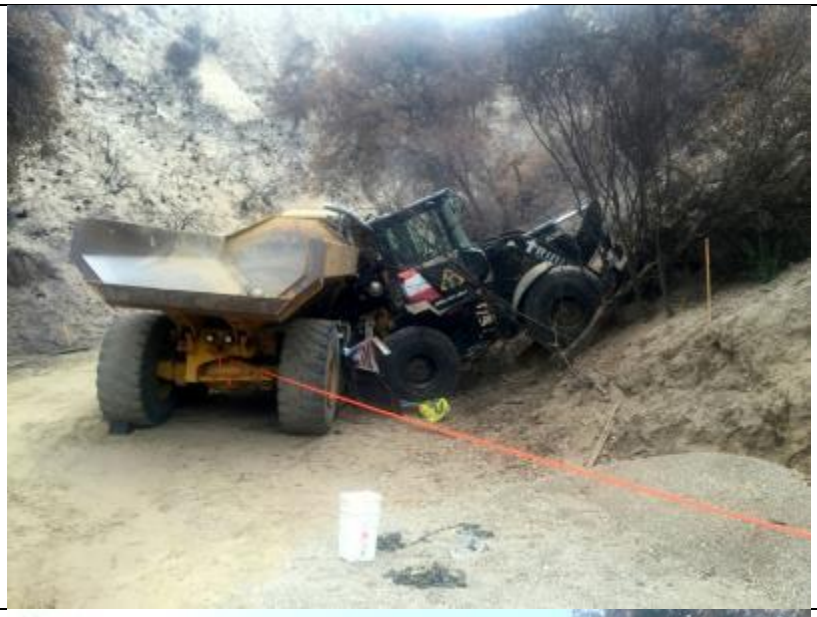
☐ Non-Compliance – Level 2: (Minor Incident) Level 2 should be those actions that have the potential to cause or cause immediate, minor risk to environmental resources such as activities that result in a deviation from the mitigation measure requirements that result in minor, short-term impact to resources. 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:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/03/15	Access road to TSP 25		Front loader rolled down the hill and collided a haul truck.
9/03/15	Access road to TSP 25		Polaris ATV that rolled down the hill.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/03/15	TSP 25		Work is ongoing on the Hilfiker wall near the pole site.
9/03/15	TSP 24/25		Hilfiker wall materials stockpiled along the TSP 24/25 access road.
9/03/15	TSP 21		Wires are being pulled and the old lattice pole still needs to be removed.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/03/15	Aliso Canyon Natural Gas Storage Field		New newt crossing signs.
9/03/15	PS-42 Fill Site		Additional riprap has been added around the culvert outfall.
9/03/15	Natural Substation		Equipment is being delivered and installed.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/03/15	Natural Substation		Overview of the Natural Substation.
9/03/15	Access road to TSP 40		Work on the access road to TSP 40.
9/03/15	Access road to the TSP 40 area		Finished access road.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/03/15	CCS		Pipe installation above the facility.
9/03/15	CCS		Installation of conduit, along with excavation and pouring of foundations.

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	September 10, 2015
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS070
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Partly cloudy, slight breeze, mild temps (70s) and humid. Warming throughout the day.
E & E CM:	Lara Rachowicz	Start/End time:	0700 to 0830 at TSPs 12 through 25. 0900 to 1200 at the Aliso Canyon Natural Gas Storage Field.
Project NTP(s):	Guard House and Road Widening (NTP-1). The new Admin/IM Building (NTP-2) and Central Compressor Station (CCS) (NTP-3). P-41 Fill Site (NTP-2), PS-42 Fill Site, P-32 Fill Site (NTP-3), and the Natural Substation (NTP-A, NTP-D). TSPs 2 through 42 (NTPs A, C, and D) and the SCE 210 Freeway Yard.		

SITE INSPECTION CHECKLIST

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

Are all excavations and trenches covered at the end of the day?	X		
Are ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		
Biology			
Have preconstruction surveys been completed for biological (wildlife, nesting birds, gnatcatcher, least Bell's vireo) resources as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?	X		
Have wildlife been relocated from work areas?		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)?		X	
Did you observe any threatened or endangered species? List:		X	
Are there wetlands or water bodies present near construction activities?	X		
Have there been any work stoppages for biological resources?		X	
Cultural and Paleontological Resources			
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?	X		
Are archaeological and paleontological monitors onsite if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?	X		
Have there been any work stoppages for cultural/paleo resources?		X	
Hazardous Materials			
Are hazardous materials stored appropriately?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are appropriate fire prevention and control measures in place?	X		
Is contaminated soil properly handled or disposed of, if applicable?	X		
Work Hours and Noise			
Are night lighting reduction measures in place, as needed?			X
Is construction occurring within approved hours?	X		
Are noise control measures in place within 100 feet of sensitive receptors as needed?			X

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

I checked the SCE work in the Wiley Canyon area (TSPs 21 through 25) and behind the Aliso Canyon Natural Gas Storage Field at TSPs 40, 41, and 42. I checked the PS-42 Fill Site and observed the activities associated with the Natural Substation and the Natural Substation access road. I checked the CCS. I also examined at the Oak Tree Mitigation Area.

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

I arrived at 0700 for the tailgate meeting at the entrance to the access road to TSPs 27 through 32. Todd White (Arcadis) and biological monitor Shannon Dye were in attendance. I traveled with Todd to TSP 25. Shannon was conducting the morning sweep of the work sites (APM BR-1d and APM BR-6). The BMP crew traveled to TSP 21 and 22 to conduct maintenance work (APM GE-2).

At TSP 25, work was nearing completion on the Hilfiker wall, and most of the stockpiled dirt at the site had been used – see photo. A medium-sized oak tree had fallen across the access road near the entrance. The oak did not appear to be impacted by the recent burn, but Todd White said that the root system did not look very healthy. The tree was cut and removed from the road. Equipment remained stockpiled within the drainage between TSPs 24 and 25 – see photo. Stormwater runoff could be an issue in this area. The roads are generally well compacted with very little dust (APM AQ-3, APM AQ-6).

I drove along the line of new poles from TSPs 2 through 11. Wire pulling was not completed, and the temporary wire support poles remained in place. Equipment was onsite for installations at TSPs 28, 29, and 30.

I arrived at the Aliso Canyon Natural Gas Storage Field at 0900 and checked in with Seth Rosenberg and Amandeep Singh at the ACTR trailers.

I noted a rock stockpile area at the PS-42 Fill Site where a water tank was located. I also noted that the best management practices (BMPs) around the site drain needed upgrades – see photo. There had been recent and significant rainfall in the southern California area; therefore, upgrading temporary erosion/sediment control measures throughout the project site is recommended.

At the Natural Substation, crews continued to excavate/drill, form/pour foundations, and install equipment – see photos. Paleontological monitor Allison Reynolds was onsite (MM CR-1, MM CR-3, MM CR-6, and MM CR-8) to observe the drilling work. Allison said that the fill at the site was 3 feet deep and that crews were drilling down 8 feet for those particular footings; therefore, Allison was examining the tailings from the lower 5 feet. I briefly spoke with David Wehman regarding the project status. The irrigation system watering the Natural Substation access road has stimulated a fair amount of new growth.

I met with Arcadis biological monitor Jasmin Byrd and traveled with her to the access road work near TSPs 40, 41, and 42. Equipment was upgrading (i.e., over-excavating and recompacting) the access road in two locations between TSPs 40 and 42 – see photos. Dust control was working well in this area (APM AQ-3, APM AQ-6), and a fire crew was onsite (MM HZ-2). Paleontological monitor Olivia Tierk was onsite, but said she had only found a few fish scales. Both monitors had indicated that the construction crews were cooperative, although the crews did not always understand the need for some of the conditions. Some of the silt fencing along the access road was holding a considerable amount of fill dirt (APM BR-5).

A crew was working on a wall within the Admin/IM Building location – see photo. This area was dusty and did not appear to have had any water put down for a while.

At the CCS, work continued within the site, including conduit installation and forming and pouring foundations – see photos. There was a considerable amount of open dirt on the slopes, as well as dirt piles, that could create sediment laden stormwater runoff. The trenches within the facility could also fill with water. The one catch basin has been reduced in size and does not look like it could handle the runoff from a significant rain event – see photos. Biological monitor Juan Miranda was overseeing this portion of the project.

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

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

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

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

Maintenance and/or upgrading the BMPs throughout the project is recommended at this time.

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.

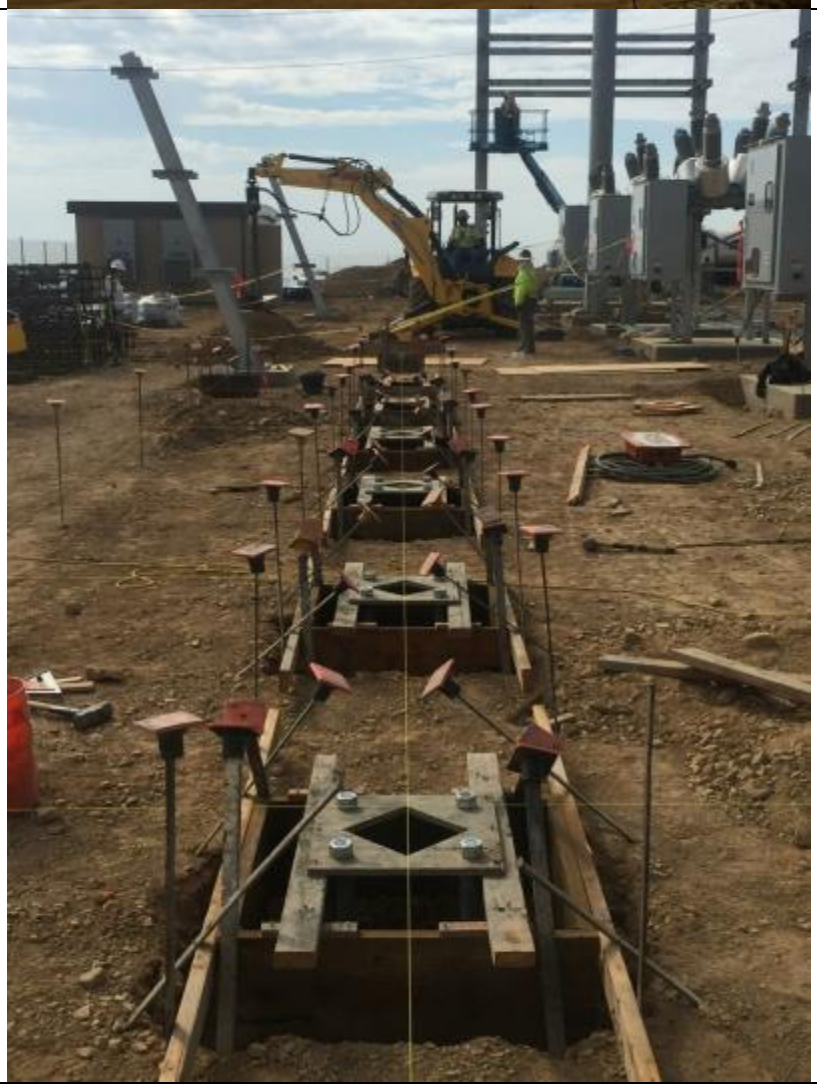
☐ Non-Compliance – Level 3: (Major Incident) Level 3 are those actions that have the potential to cause or cause immediate, major risk to environmental resources such as: major environmental incident that is not in compliance with the applicant mitigation measures, mitigation measures, permit condition, 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:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/10/15	TSP 25		Work is ongoing on the Hilfiker wall near the pole site.
9/10/15	TSP 24/25 access road		Hilfiker wall materials stockpiled within drainage along the TSP 24/25 access road.
9/10/15	PS-42 Fill Site		BMPs around the drain inlet within the rock at the PS-42 Fill Site need upgrading.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/10/15	Natural Substation		Overview of the Natural Substation.
9/10/15	Natural Substation		Drilling, forming, and pouring continue within the Natural Substation.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/10/15	Access road to TSP 40		Work on the access road to TSP 40.
9/10/15	Access road to TSP 40		Work on the access road to TSP 40. Work is being observed by a paleontological monitor.
9/10/15	Access road to TSP 40.		Silt fencing along the access road.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/10/15	CCS		Pipe installation above the facility.
9/10/15	CCS		Excavation, installation of rebar, forming, and pouring continue within the CCS site.
9/10/15	CCS		BMP catch basin for the CCS site.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/10/15	CCS		Additional BMPs below the CCS catch basin.
9/10/15	Admin/IM Building		Construction of a wall.

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	September 15, 2015
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS071
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Cloudy, slight breeze, mild temps (70s) drizzling. 1.5 inches of rain fell overnight.
E & E CM:	Lara Rachowicz	Start/End time:	0830 to 1030 at the Aliso Canyon Natural Gas Storage Field. Brief stop at the TSP 24/25 access road.
Project NTP(s):	Guard House and Road Widening (NTP-1). The new Admin/IM Building (NTP-2) and Central Compressor Station (CCS) (NTP-3). P-41 Fill Site (NTP-2), PS-42 Fill Site, P-32 Fill Site (NTP-3), and the Natural Substation (NTP-A, NTP-D). TSPs 2 through 42 (NTPs A, C, and D) and the SCE 210 Freeway Yard.		

SITE INSPECTION CHECKLIST

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

Are all excavations and trenches covered at the end of the day?	X		
Are ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		
Biology			
Have preconstruction surveys been completed for biological (wildlife, nesting birds, gnatcatcher, least Bell's vireo) resources as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?	X		
Have wildlife been relocated from work areas?		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)?		X	
Did you observe any threatened or endangered species? List:		X	
Are there wetlands or water bodies present near construction activities?	X		
Have there been any work stoppages for biological resources?		X	
Cultural and Paleontological Resources			
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?	X		
Are archaeological and paleontological monitors onsite if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?	X		
Have there been any work stoppages for cultural/paleo resources?		X	
Hazardous Materials			
Are hazardous materials stored appropriately?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are appropriate fire prevention and control measures in place?	X		
Is contaminated soil properly handled or disposed of, if applicable?	X		
Work Hours and Noise			
Are night lighting reduction measures in place, as needed?			X
Is construction occurring within approved hours?	X		
Are noise control measures in place within 100 feet of sensitive receptors as needed?			X

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

I checked SCE's work at the Natural Substation; all other work had been canceled due to the rain. I checked the PS-42 Fill Site and observed the activities associated with the Natural Substation and the associated access road. I checked the 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)

I arrived at Aliso Canyon Natural Gas Storage Field around 0830 and checked in at the ACTR trailers. An electrical crew was attending the worker environmental awareness training program (WEATP) in the trailers (APM HZ-6). On the drive in, I received a call from Todd White (Arcadis) who said that most of the SCE work had been cancelled due to the wet conditions; however, a small crew was at the Natural Substation.

Very little SCG work was being conducted on this day, possibly due to the 1.5+ inches of rain that fell overnight. Conditions were muddy and very slippery. Because it was wet, I drove through the newt crossing areas looking for live or dead newts, but none were observed.

I drove to the PS-42 Fill Site and noted large amounts of ponded water above the site, below the site, and within the fill keys – see photos. BMPs appeared to be working (APM GE-2), as there was very little sediment-laden water that had traveled to the roadway below the PS-42 Fill Site – see photo. Crews had already been to these sites and had conducted some maintenance work. SCE's Stormwater Pollution Protection Plan (SWPPP) inspector arrived at the site and took photos of the ponded water on the well pad.

At the PS-42 Fill Site I checked the BMPs, which had not been upgraded since my last site visit – see photo. Water from the open earthen fill site was easily bypassing the BMPs around the main site drainage.

At the Natural Substation, I checked in with David Wehman who was working out of his car since the trailers were leaking. A small crew was installing equipment; it was very muddy within the site, with some of the trenches filling with water – see photo. The biofiltration unit appeared to be working well, capturing water from the access road and from the Natural Substation – see photos. The water coming off the Natural Substation was sheet flowing into the unit causing some rilling on the small slope of the biofiltration swale. This could be easily mitigated with some straw wattle along the inside of the fence. Water was passing through the biofiltration unit and exiting the site through the energy dissipater before flowing into the oak swale – see photo. Some of the water was bypassing the grouted rock portion of the dissipater, thereby causing erosion along the western edge; the water also seemed to be causing some erosion through the oak swale. Amandeep Singh, a biological monitor (APM BR-1d, APM BR-6), and the SWPPP inspector arrived at the site and discussed rainwater runoff and sediment control issues. I noted several sets of vehicle tracks that crossed onto one of the revegetated slope – see photo. I also noted that the irrigation system was operating, despite the wet conditions.

At the Admin/IM Building, stormwater runoff was flowing into the biofiltration system.

At the CCS, I checked in with Kiewit, SCE's contractor, and was escorted around the site. There was a considerable amount of open dirt throughout the site, and Kiewit stated that crews were bringing in road base to cover some of dirt driveway areas. We looked at the main catch basin for the site (which has been recently reduced in size), and it appeared to have been overtopped by stormwater runoff – see photo. I also observed a large amount of sediment coming down into the site from the surrounding slopes and/or project sites – see photo.

I made a brief stop at the TSP 24/25 access road entrance within the Crescent Valley Mobile Estates (Mobile Estates). Todd White (Arcadis) had said that crews had started work on the drainage culverts. The paved road looked clean, and equipment had started work on the culvert replacement/extension – see photo. An excavator had opened up the drainage, but the old culvert was still in place and keeping the water moving through the site. There was very little water and/or sediment in the open holes, which was somewhat surprising given the burned/denuded habitat upstream of this drainage. This could have been attributed to less rainfall in this area.

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

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

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

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

Maintenance and/or upgrading the BMPs throughout the project are recommended at this time for the upcoming rainy season.

COMPLIANCE SUMMARY

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

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☐ Non-Compliance 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:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/15/15	PS-42 Fill Site		No upgrades were conducted to the drain inlet within the rock fill site.
9/15/15	PS-42 Fill Site		Ponded water in the topmost fill key.
9/15/15	Well pad near the PS-42 Fill Site		Gravel bags around the drain inlet are functioning (i.e., holding back water to allow sediment to settle out).

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/15/15	PS-42 Fill Site		Lower portion of the PS-42 Fill Site seemed to have weathered the rain quite well.
9/15/15	Natural Substation		A crew is installing equipment.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/15/15	Natural Substation		Some of the trenching has filled with stormwater runoff.
9/15/15	Access road to TSP 40		Vehicle tracks cutting across the revegetated slopes.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/15/15	Natural Substation access road		Biofiltration unit.
9/15/15	Natural Substation		Erosion from sheet flow across the Natural Substation.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/15/15	Natural Substation access road		Energy dissipater below the biofiltration unit.
9/15/15	CCS		Erosion and sediment coming down into the facility.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/15/15	CCS		The main catch basin for the CCS site was not sufficient to manage the heavy rainfall.
9/15/15	CCS		Open ground and open trenches within the CCS site.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/15/15	TSP 24/25 access road		Culvert replacement work has started within the drainage at the entrance to the TSP 24/25 access road.

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	September 24, 2015
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS072
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Sunny, warm, and calm in the morning. Hotter with a slight breeze after lunch.
E & E CM:	Lara Rachowicz	Start/End time:	0830 to 1200 at the Aliso Canyon Natural Gas Storage Field. Brief stop at the TSP 24/25 access road.
Project NTP(s):	Guard House and Road Widening (NTP-1). The new Admin/IM Building (NTP-2) and Central Compressor Station (CCS) (NTP-3). P-41 Fill Site (NTP-2), PS-42 Fill Site, P-32 Fill Site (NTP-3), and the Natural Substation (NTP-A, NTP-D). TSPs 2 through 42 (NTPs A, C, and D) and the SCE 210 Freeway Yard.		

SITE INSPECTION CHECKLIST

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

Are all excavations and trenches covered at the end of the day?	X		
Are ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		
Biology			
Have preconstruction surveys been completed for biological (wildlife, nesting birds, gnatcatcher, least Bell's vireo) resources as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?	X		
Have wildlife been relocated from work areas?		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)?		X	
Did you observe any threatened or endangered species? List:		X	
Are there wetlands or water bodies present near construction activities?	X		
Have there been any work stoppages for biological resources?		X	
Cultural and Paleontological Resources			
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?	X		
Are archaeological and paleontological monitors onsite if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?	X		
Have there been any work stoppages for cultural/paleo resources?		X	
Hazardous Materials			
Are hazardous materials stored appropriately?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are appropriate fire prevention and control measures in place?	X		
Is contaminated soil properly handled or disposed of, if applicable?	X		
Work Hours and Noise			
Are night lighting reduction measures in place, as needed?			X
Is construction occurring within approved hours?	X		
Are noise control measures in place within 100 feet of sensitive receptors as needed?			X

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

I checked the SCE work at the Natural Substation, the TSP 40 access road, and the TSP 24/25 access road. Looked at the PS-42 Fill Site, the Natural Substation access road, and BMPs throughout the Aliso Canyon Natural Gas Storage Field. I checked the CCS and the new Admin/IM Building.

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

I began my site visit at the Aliso Canyon Natural Gas Storage Field and checked in at the ACTR office. I spoke with Amandeep Singh who gave me an update on the SCG work; he said biological monitor Juan Miranda was onsite today (APM BR-1d, APM BR-6).

I drove to the PS-42 Fill Site where I noted the temporary drain pipe had leaked, causing some erosion on the slope – see photo. No other work was being conducted at the site; work on the box culvert was in the planning stages.

Several piles of material located on the well pad above the PS-42 Fill Site had been covered with visqueen – see photo. The BMPs around the drain inlet at the rock fill site had been upgraded (APM GE-2).

I noted some BMP issues at the top of the Natural Substation access road – see photo. I also looked at the oak swale area just east of the Natural Substation; it appears that rainwater runoff will be prevalent in this area, and additional protection may be necessary. Some rills were noted within the oak swale – see photo; I was unable to determine if rills had increased after the last rains.

Some BMP work (wattle installation) had been conducted around the Natural Substation. Some of the wattles had been installed such that they were nearly flush with the ground and would not function very well in slowing rainwater runoff – see photo. Construction activity within the Natural Substation was ongoing, including excavation and forming and pouring of foundations. Paleontological monitor Joey Raum was observing the excavation within the Natural Substation (MM CR-1, MM CR-3, MM CR-6, and MM CR-8).

I walked to the TSP 49 site and noted a trash pile that included some bird netting – see photo. The trash pile should be removed, since bird netting can trap lizards and snakes. The access road to the TSP 49 site required additional BMPs and maintenance of the existing BMPs. A large stockpile of gravel bags and straw wattle was already onsite. Some rilling had already begun on the access road – see photo.

SCE's biological monitor, C.J. Fotheringham, drove me to TSPs 40, 41, and 42. Road work continues in the area, with paleontological monitor Allison Reynolds overseeing this work. Crews had restored some of the road banks with VSS topsoil; these areas were fenced off – see photo. A BMP crew was onsite installing gravel bags and straw wattle erosion prevention measures – see photo. There were no dust control problems (APM AQ-3, APM AQ-6) and a fire crew was onsite (MM HZ-2).

At the Admin/IM Building, work was being conducted on the walls – see photo.

At the CCS site, I looked at the construction activities and at the BMPs. Large quantities of gravel had been brought into the site to stabilize the roads, and the catch basin had been upgraded– see photo. The slopes around and above the facility continue to have large amounts of open ground – see photo. I observed a crew member appearing to have lunch in the air-conditioned cab of his idling excavator. I mentioned this to Seth Rosenberg, as this might fall under condition APM AQ-2 Minimization of Equipment Use.

Before leaving the site, I stopped at the ACTR office and met with Seth Rosenberg and his new SWPP/BMP team and we discussed problem areas throughout the project site.

I made a brief stop at the TSP 24/25 access road entrance where a Los Angeles County Department of Public Works (LADPW) crew was installing debris barriers. The culvert work conducted by SCE had been completed – see photo.

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

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

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

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

COMPLIANCE SUMMARY

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

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☐ Non-Compliance 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:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/24/15	Well pad above the PS-42 Fill Site		Spoil piles have been covered.
9/24/15	PS-42 Fill Site		The temporary drainage pipe leaked during the last rain event and caused some erosion on the slope.
9/24/15	Natural Substation access road		BMPs along the access road need some maintenance.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/24/15	Access road to the Natural Substation		Oak swale below the access road – showing some erosion rills.
9/24/15	Natural Substation		Site overview.
9/24/15	CCS site		Overview of the CSS site looking down from the Natural Substation.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/24/15	Natural Substation		BMPs (wattles) have been added along the project boundary fence; a portion of the wattles were installed too deep.
9/24/15	TSP 49 area		Trash at the TSP 49 area.
9/24/15	TSP 49		Erosion rills on the TSP 49 access road and crane pad.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/24/15	Access road at TSP 40		Access road upgrades are nearly complete. Construction fencing is protecting the road bank restored with salvaged VSS topsoil.
9/24/15	Access road at TSP 40		BMPs being installed along the access road.
9/24/15	Access road at TSP 40		Mariposa lily topsoil preserved under jute netting.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/24/15	Admin/IM Building		Work on the wall continues.
9/24/15	CCS		Main catch basin for the CCS site has been changed and upgraded.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/24/15	CCS		Large areas of open ground and open trenches remain within in the CCS site.
9/24/15	CCS		Several very full concrete washouts.
9/24/15	TSP 24/25 access road		Culvert replacement work has been completed. LADPW crews are installing debris barriers.

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	September 30, 2015
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS073
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Partly cloudy, mild temperatures, and a slight breeze.
E & E CM:	Lara Rachowicz	Start/End time:	0800 to 0945 at TSPs 21 through 32. 1000 to 1300 at the Aliso Canyon Natural Gas Storage Field.
Project NTP(s):	Guard House and Road Widening (NTP-1). The new Admin/IM Building (NTP-2) and Central Compressor Station (CCS) (NTP-3). P-41 Fill Site (NTP-2), PS-42 Fill Site, P-32 Fill Site (NTP-3), and the Natural Substation (NTP-A, NTP-D). TSPs 2 through 42 (NTPs A, C, and D) and the SCE 210 Freeway Yard.		

SITE INSPECTION CHECKLIST

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

Are all excavations and trenches covered at the end of the day?	X		
Are ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		
Biology			
Have preconstruction surveys been completed for biological (wildlife, nesting birds, gnatcatcher, least Bell's vireo) resources as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?	X		
Have wildlife been relocated from work areas?		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)?		X	
Did you observe any threatened or endangered species? List:		X	
Are there wetlands or water bodies present near construction activities?	X		
Have there been any work stoppages for biological resources?		X	
Cultural and Paleontological Resources			
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?	X		
Are archaeological and paleontological monitors onsite if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?	X		
Have there been any work stoppages for cultural/paleo resources?		X	
Hazardous Materials			
Are hazardous materials stored appropriately?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are appropriate fire prevention and control measures in place?	X		
Is contaminated soil properly handled or disposed of, if applicable?	X		
Work Hours and Noise			
Are night lighting reduction measures in place, as needed?			X
Is construction occurring within approved hours?	X		
Are noise control measures in place within 100 feet of sensitive receptors as needed?			X

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

I checked the work at the Natural Substation and the TSP 24/25 access road. I checked the PS-42 Fill Site, the Natural Substation access road, and BMPs throughout the Aliso Canyon Natural Gas Storage Field. I checked the CCS and the new Admin/IM Building.

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

At 0800, I met with Todd White (Arcadis) at the Crescent Valley Mobile Estates (Mobile Estates). We drove to the TSP 24/25 access road and noted that the Los Angeles County Department of Public Works (LADPW) crews were still working on the drainage, so we were unable to drive into the area. We then checked on the SCE civil crews who were pulling wire at TSP 21, using the pull site between TSP 21 and 22 – see photo. Todd said that the crews were also removing the old lattice work towers along the road toward TSP 13. We saw the SCE SWPPP crew conducting maintenance along this stretch of road. The crew members said maintenance work had been conducted earlier in the week at TSP 49, including trash removing and the repair/addition of BMPs (APM GE-2).

Todd White drove us along the access road from TSP 32 to TSP 27, noting the construction activities that included the delivery and setting of poles – see photo. Mac drains were also installed. A crew was at TSP 30 with both biological monitor Brian Karpman and paleontological monitor Leann Hirsch overseeing the installation of a mac drain (APM BR-1d, APM BR-6) (MM CR-1, MM CR-3, MM CR-6, MM CR-8). These two monitors were covering all of the construction activities along this stretch of the project. Equipment was parked on the helicopter pad above TSP 30, which Todd said was going to be built soon – see photo,. A water truck had recently wet down the access road, so dust was not an issue (APM AQ-3, APM AQ-6).

Todd White returned to the office and I walked to the drainage work along the TSP 24/25 access road. A crew was installing rock gabions below the new culvert outfall – see photo. This area had burned, and the recent rains deposited sediment in several places within the drainage – see photos. The drainage was blocked upstream of the culverts, and this area had some trash and ash laden sediment. This area needs to be restored before the rainy season begins; the crew estimated they would be working in the area for another month.

I traveled to the Aliso Canyon Natural Gas Storage Field where I checked in at the ACTR office. I drove to the Oak Tree Mitigation Site to examine and photograph the trees – see photo. The trees looked healthy with continued new growth; weed germination around the oaks was minimal.

At the PS-42 Fill Site, crews were replacing the old BMPs and had opened the old straw wattles, spreading the straw out on the slope and hauling off the old plastic netting – see photo.

At the Natural Substation, construction activity included ongoing excavation and forming and pouring of foundations – see photo. A paleontological monitor was onsite observing the excavation within the Natural Substation. I spoke with Dave Wehman who said he had upwards of 30 hands working at the Natural Substation.

I drove to the TSP 43 site, and observed a crew drilling and installing steel beams to stabilize the area around the pole site – see photos. One line of silt fencing was installed below the site, which is a very steep slope, and drilling spoils had slid down the slope and collapsed a portion of the silt fencing – see photo. A fire crew was onsite (MM HZ-2).

At the Admin/IM Building, work was continuing on the walls.

At the CCS area, I observed construction activities and checked BMPs; there was nothing unusual to report – see photos.

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

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

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

Continued BMP maintenance.

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

There was no mention of the BMP work within the PS-42 Fill Site in the weekly activities summary.

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.

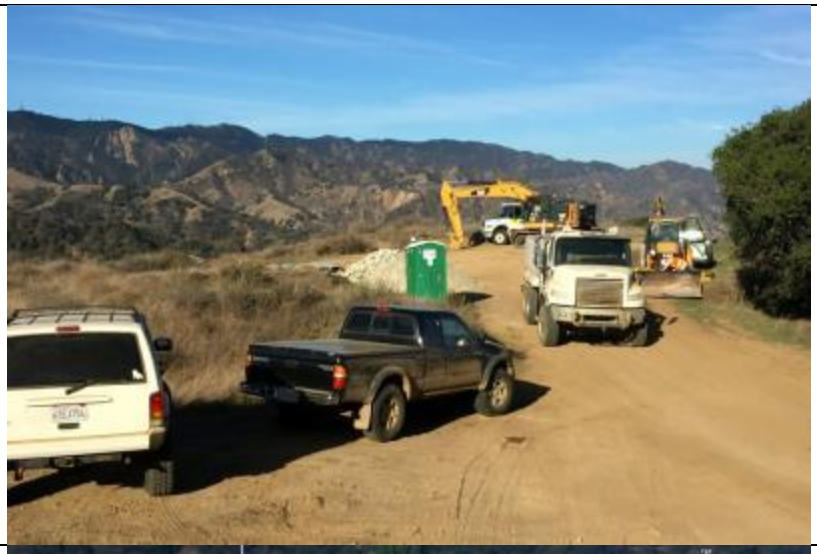
☐ Non-Compliance – Level 3: (Major Incident) Level 3 are those actions that have the potential to cause or cause immediate, major risk to environmental resources such as: major environmental incident that is not in compliance with the applicant mitigation measures, mitigation measures, permit condition, 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		

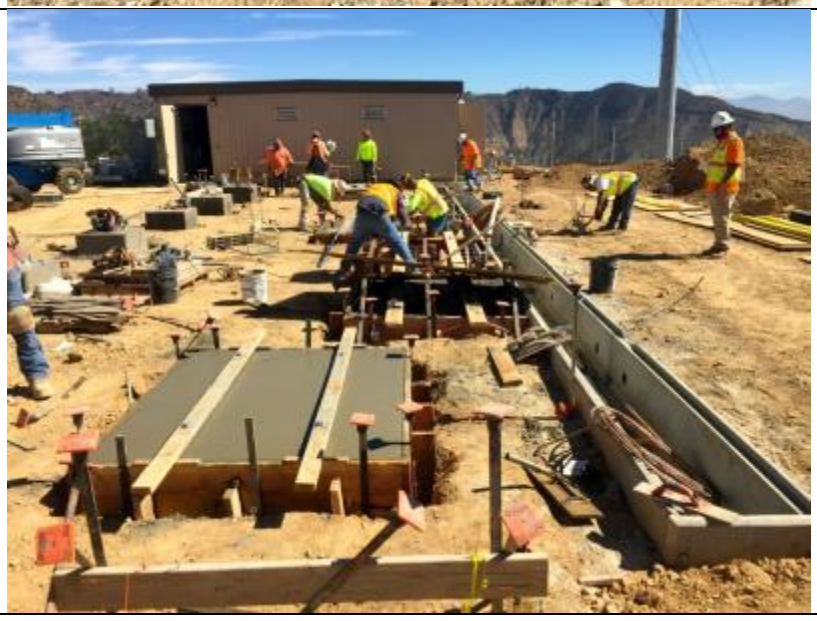
PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/30/15	TSP 21		SCE civil crews are pulling wire.
9/30/15	Pull site between TSP 21 and TSP 22		Wire pulling equipment on the pull site.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/30/15	Helicopter pad near TSP 30		Equipment parked on the helicopter pad; work is expected to begin in the next week for preparation of the helicopter site.
9/30/15	TSPs 28 and 29		Crews are installing TSPs 28 and 29.
9/30/15	Drainage between TSPs 24 and 25		Crews are installing gabion streambed protection measures.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/30/15	Drainage between TSPs 24 and 25		New culverts under the access road; note the sediment that accumulated after the last storm.
9/30/15	Drainage between TSPs 24 and 25		The drainage is blocked above the culverts.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/30/15	Drainage between TSPs 24 and 25		Above the blocked drainage, there is trash and ash-laden sediment.
9/30/15	PS-42 Fill Site		Crews have begun to replace the old BMPs in preparation for the upcoming rainy season.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/30/15	Oak Tree Mitigation Site		Oak trees look healthy and are still putting out new growth.
9/30/15	Natural Substation		Excavation, forming, and pouring continues within the facility.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/30/15	TSP 43		Site preparation continues with drilling and shoring work.
9/30/15	TSP 43		Shoring being installed below the pole site.
9/30/15	TSP 43		Silt fencing is in need of repairs where dirt is sloughing down the slope.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/30/15	CCS		Large areas of open ground and open trenches remain within in the CCS site.
9/30/15	CCS		Site overview.
9/30/15	CCS		Site overview.