



September 9, 2015

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

Re: Monthly Report Summary #16 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 **July 1 to 31, 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 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.

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 July 2, 10, 15, 23, and 30, 2015. Site inspection reports that summarize observed construction activities and compliance events and verify mitigation measures 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 July 2015 provided compliance summaries and included: a description of construction activities for July 1 to 31, 2015; a detailed look-ahead construction schedule; a summary of compliance with project commitments (applicant proposed measures [APMs]/mitigation measures [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.

Non-Compliance Incidents

Level 1 Non-Compliance Report Issued

On July 13, 2015, the SCE Natural Substation crew began activity at the P-40 Staging Area prior to receiving CPUC approval. A construction trailer was delivered, staged, and utilized at the Aliso Canyon Storage Field's P-40 site, along with a toolbox container. On July 14, SCE's environmental coordinator discovered that the trailer and container were placed at the P-40 Staging Area without approval from the CPUC. The area was approved for general staging in the Aliso Final EIR; however, approval for the use and placement of trailers was currently under review in MPR-F. The environmental coordinator informed the CPUC/E & E team of the incident, and that two additional trailers were already in route to the P-40 Staging Area. After delivery, these two trailers were locked and remained unused until MPR-F was approved on July 29, 2015.

In SCE's self-report of this incident, their environmental coordinator explained that SCE had been in contact with Los Angeles County regarding the need for a permit in order to place the trailers. After some discussion the County determined that SCE did not need a County permit to place the trailers. The SCE Natural Substation construction team was unaware that CPUC approval was still necessary in addition to the approval from the County, thus they proceeded with trailer delivery and utilization. A level 1 Non-Compliance Report was issued by the CPUC/E & E team on July 31, 2015 for this incident.

Dust Control

During the month of July, the CPUC Compliance Monitor identified multiple instances of excessive dust on roadways, plumes of dust being generated by vehicle travel, and no evidence of watering or other dust control measures in several areas. These observations indicate that dust control onsite had not been adequate to comply with project commitments outlined in the MMCRP. In addition, several complaints were made by the public to SCE regarding fugitive dust (see Public Concerns below). Dust control had been a concern during May and June 2015 as well (see May and June 2015 monthly reports).

SCE began increasing dust control best management practices (BMPs) in the latter half of July 2015. E-mail approvals were issued by the CPUC/E & E team for SCE to place aggregate road base at access road entrances leading from the Crescent Valley Mobile Estates (Estates) into Wiley Canyon. The CPUC Compliance Monitor noted that dust and trackout were being adequately controlled at one location where aggregate was placed; however, the Compliance Monitor observed several other locations where additional dust control measures should have been implemented. On July 31, 2015, SCE self-reported two incidents concerning compliance with dust control and air quality measures by SCE's

contractors, Henkels & McCoy (H&M). Trackout in excess of 25 feet was observed within the paved portions of the Crescent Valley Mobile Estates, and overfilled haul trucks were suspected of dropping material onto the roadways. Moving forward H&M committed to additional sweeping where construction access roads enter and leave the Estates and reiterated to haul truck drivers the importance of leaving at least 6-inches of freeboard space when hauling.

Dust and trackout control will remain a key issue for work during the dry season. Although SCE did increase their attention on dust control during late July, the response did not occur until after multiple concerns were raised by the CPUC Compliance Monitor to SCE. SCE and their contractors should implement a more comprehensive strategy for complying with their project commitments concerning fugitive dust.

Minor Incidents

During July, several small oil/fuel spills were self-reported and quickly resolved by SCE and SCG soon after they occurred. In addition, SCE self-reported that on July 26, 2015 an oak tree along the private road of the Crescent Valley Mobile Estates was observed with damage in two places. While no one reported seeing a truck strike the tree, SCE speculated that one of their contractors scraped the tree trunk with a haul truck. SCE sent an arborist to inspect the damage; the arborist determined the injury was slight and that the tree would recover.

Public Concerns

During the month of July 2015, SCE received multiple complaints from residents at the Estates. Concerns were primarily focused on dust, damage to trees, and damage to the road throughout the Estates. SCE provided summaries of each public comment and the corresponding response in their July Monthly Compliance Report. Pertinent public comments are described below:

On July 10, 2015, a resident at the Estates (Unit 83) contacted SCE's Public Involvement representative, and reported that excessive dust was bothering his wife who suffers from lung disease.

On July 10, 2015, a resident at the Estates (Unit 81) spoke with SCE's Public Involvement Representative regarding concerns she had with the project generating dust and causing cracking of the walls in her home.

On July 11, 2015, a resident at the Estates (Unit 82) expressed his frustration with dust coming from the construction area. SCE crews were subsequently advised to reduce their speed when they drove on the access road and right-of-way and were reminded to ensure that they were watering, as necessary.

On July 17, 2015, a resident at the Estates (Unit 84) requested a visit to discuss his concerns with construction. SCE met with him on July 20, 2015. The resident was concerned with dust and noise from construction vehicles and construction personnel. The SCE representative shared the resident's concerns with the project team. Crews were instructed to avoid congregating near this unit, and road base was applied on the access road to TSP 21.

On July 28, 2015, a resident at the Estates contacted SCE after observing equipment, operated by Henkels & McCoy, causing damage to a willow tree located at the entrance to the access road leading to TSP 24. SCE's construction manager explained that the tree was within the existing grading limits and would be removed as part of the project. During this same contact with the SCE construction manager, the resident also expressed that she was still bothered by the dust that she had complained about on June 29, 2015.

On July 29, 2015, SCE conducted a site walk with the Estates owner to discuss SCE's construction, including concerns about road damage and excess dust. SCE told the property owner that damages caused by SCE or its crews would be repaired upon project completion.

On July 29, 2015, a resident at the Estates (Unit 64) called SCE's toll free number regarding excessive dust (near TSP 23).

Minor Approvals

During July, numerous E-mail Approvals were issued to SCE for adjustments to dust control near the Estates; MPR-F and one Tier-3 waivers were approved as well (Table 1).

Table 1: Minor Approvals for July 2015

Description	Approval Date
E-mail Approval for Temporary Staging and Parking near TSPs 22, 27, and 28 (SCE)	July 2, 2015
E-mail Approval for extended work hours on July 7-8, 2015 at TSPs 21, 40, and 41 (SCE)	July 7-8, 2015
E-mail Approval to extend work hours for 66 kV work to between 7:00 a.m. and 7:00 p.m. Monday through Friday, through November 2015 (SCE)	July 9, 2015
Tier-3 Waiver E-mail Approval for use of a Tier-2 Motor Grader (SCG)	July 9, 2015
E-mail Approval to use the PS-43 Parking and Staging area for staging Admin/IM Building materials (SCG)	July 13, 2015
E-mail Approval to install road base between TSPs 24 and 25, TSP 21, and TSP 23 to control dust (SCE)	July 17-30, 2015
E-mail Approval to stage a water tank at the PS-42 staging area (SCE)	July 24, 2015
E-mail Approval for extended work hours for work at the Natural Substation to between 7:00 a.m. and 6:30 p.m. Monday through Friday (SCE)	July 24, 2015
E-mail Approval for ground disturbance to install two 0.75-inch-diameter anchors for the water tank at the PS-42 Parking/Staging Area (SCE)	July 24, 2015
MPR-F approval for five guard structures and trailers at various locations (SCE)	July 29, 2015
E-mail Approval for temporary staging of wire and construction material at the PS-42 Parking/Staging Area (SCE)	July 30, 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
July 2, 10, 15, 23, and 30, 2015



Aliso Canyon Turbine Replacement Project CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	July 2, 2015
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS061
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Calm, partly cloudy, warm and humid – 20% chance of thundershowers.
E & E CM:	Lara Rachowicz	Start/End time:	0700 - 1100 in Wiley Cyn. 1130 - 1330 at the Aliso 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 11 through 33 (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)

Checked some of the Wiley Canyon area - TSPs 11, 21, 22, 26. Access was limited due to the fire the week before my site visit. Looked at the oak mitigation area, the PS-42 Fill Site, the P-32 Fill Site, and the activities associated with the Natural Substation and the substation access road. Checked the Central Compressor Station (CCS).

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

Attended the 0700 SCE tailboard meeting at the 210 Freeway Yard. At the tailboard meeting, Todd White (Arcadis) talked to the contractors about preparing the site for the three-day holiday weekend (e.g., drip pans under and bird netting over equipment). Lucy Cortez (SWPPP inspector) also brought up the need to clean up any trackout onto the roadways. I talked to both Todd and Lucy about the importance of wetting down the access roads and construction sites at the end of the day.

Traveled with Todd to TSP 11, where a crew was preparing to install temporary guard structures to prevent the wires from dropping onto the public roads – see photo. Paleontological monitor David Schroeder went with this crew (MM CR-1, MM CR-3, MM CR-6, and MM CR-8). Drove by the TSP 7 site. The new pole has been put in place, wires have been moved, and the old tower is gone.

At TSP 32, all site preparation work has been completed, leaving only some spoil to be hauled off. The drill rig was onsite – see photo. SCE expects to drill and pour the foundation next week.

At TSP 30, a crew continued to work on the Hillfiker wall – see photo. Topsoil has been stockpiled in one of the approved staging areas along the access road – see photo. An additional photo has been included and shows the jurisdictional drainage that will be upgraded when the permits are obtained. A paleontological monitor was onsite, and biological monitor Craig Lawrey (APM BR-1d and APM BR-6) swept the area and was spot-checking construction activities.

A small crew was carrying out the finish work on the TSP 28 foundation. The access road to this site was extremely dusty and needed to be serviced by a water truck. Later in the day, Todd talked with Lucy about implementing dust control measures along this section of the access road.

Stopped briefly at TSP 26 – see photo. No work is taking place at this TSP, but some of the BMP materials have been replaced at the site. All of the silt fence and most of the straw wattles burned in the fire.

At TSP 24, the new pole was being installed and very little grading was needed at this site; however, access was difficult due to the steep, twisting access road. The jurisdictional drainage near Crescent Valley Mobile Estates (Estates) was checked – see photo. No work was taking place there. The burnt watershed will complicate runoff into this drainage once rain falls again.

At TSP 21, work was ongoing at the pole and pull sites – see photos. Biological monitor Craig was onsite, along with paleontological monitor Daniel Nolan. Topsoil from this area has been stockpiled at TSP 15 and subsoil was being hauled off.

The TSP 18 site was ready for drilling, with the drill rig parked onsite. Topsoil has been restored on the cut banks, with the addition of some BMP materials – see photo. The new TSP 14 pole has been installed, wires have been relocated, and some of the old tower has been removed. TSP 13 is partially complete, and the TSP 12 foundation has been installed – see photos. The small eroded area along the access road to TSP 12 has been repaired – see photo. The access road from TSP 14 to TSP 12 was in immediate need of watering to settle the dust.

Left the SCE 210 Freeway Yard at 1100, and arrived at the Aliso Storage Field around 1130. Checked in at the SCG offices and was accompanied by Seth Rosenberg, SCG's Environmental Coordinator, during the site visit.

The PS-42 Fill Site was being prepared for closeout, with work continuing on the "V" ditches and drains – see photo. A biological monitor will be onsite to ensure the rock wren nest is not impacted by the hydroseeding. Drove to the bottom of the fill site where work on the box culvert is expected to begin next week. A large pile of rock was stockpiled on a well pad below the fill site – see photo. This material will be used to stabilize the lower portion of the fill site.

At the Natural Substation, a crew is pouring a concrete curb while another crew worked on the biofiltration unit – see photos. The concrete trucks were washing out into a plastic-lined hole in a spoil pile – see photo. This is a makeshift washout, but was functional. Biological monitor Juan Miranda was onsite spot-checking the various construction efforts in the upper portion of the facility.

At the CCS, crews continue to work on the foundations and conduit throughout the site – see photos. At the time of the site visit, crews were pouring slurry into the excavated area. A small amount of earthwork was being completed at the Guard House. This activity was being monitored by biological monitor Anna Lohr – see photo.

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

Onsite monitors are in place and overseeing the construction activities – all construction personnel appear to have gone through the training.

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

Check on any work activities within the five drainages between TSP 17 and TSP 30. Dust control activities should be regularly evaluated.

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, 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:

N/A

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/02/15	TSP 11		<p>Crew is preparing to install temporary poles to prevent wires from falling onto the road.</p>
7/02/15	TSP 26		<p>Todd White looks at the burned area around the pole site.</p>
7/02/15	TSP 32		<p>The site has been cleared and graded and is ready for drilling.</p>

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/02/15	Access road to TSP 30		Jurisdictional drainage.
7/02/15	TSP 30		Stockpiled topsoil.
7/02/15	TSP 30		Equipment working on the Hillfiker wall next to the pole site.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/02/15	TSP 28		Clean-up work around the new TSP foundation.
7/02/15	TSP 24 access road		Jurisdictional drainage near Crescent Valley Mobile Estates.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/02/15	TSP 21		Grading continues for the TSP 21 pull site.
7/02/15	TSP 21		TSP 21 excavation work continues. Topsoil has been removed and stockpiled at TSP 15; excess spoil is being hauled off.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/02/15	TSP 18		<p>TSP 18 has been cleared and graded for drilling – the topsoil has already been restored to the cut bank.</p>
7/02/15	TSP 15		<p>Equipment and topsoil is being stockpiled at this site.</p>

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/02/15	TSP 14		The new pole has been installed, wires have been transferred, and a portion of the old lattice work tower has been removed.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/02/15	TSP 13		A portion of the TSP has been installed.
7/02/15	Access road to TSP 12		Road stabilization work has been completed.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/02/15	TSP 12		The foundation has been poured
7/02/15	PS-42 Fill Site		Work to seal up the fill site continues, with hydroseeding expected in the next few days.
7/02/15	PS-42 Fill Site		Stockpiled native rock to be used to stabilize the base of the fill site.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/02/15	PS-42 Fill Site		Looking up the slope from the lower access road.
7/02/15	Natural Substation		Crews are pouring the concrete curb.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/02/15	Natural Substation		Concrete washout within the Natural Substation.
7/02/15	Natural Substation		Work continues on the biofiltration unit.
7/02/15	CCS		Ongoing equipment installation.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/02/15	CCS	 A wide-angle photograph of a large-scale construction site. In the foreground, there is a large, conical pile of light-colored sand or soil. Behind it, several vertical rebar structures are visible, some with concrete caps. The background shows a dirt road, some greenery, and a hillside under a clear sky.	Excavated area with slurry being poured.
7/02/15	Guard House	 A photograph of a yellow JCB backhoe loader parked on a paved surface. The loader is facing left, and its rear-mounted backhoe arm is visible. In the background, there is a guard house structure, some trees, and a person standing near a vehicle. The sky is blue with some light clouds.	Minor excavation work is taking place at the Guard House.



Aliso Canyon Turbine Replacement Project CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	July 10, 2015
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS062
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Partly cloudy and cool with blustery conditions.
E & E CM:	Lara Rachowicz	Start/End time:	0730 - 1030 within Wiley Cyn. 1100 - 1330 at the Aliso Canyon Gas Storage Field.
Project NTP(s):	Guard House and Road Widening (NTP-1). The New Admin/IM Building (NTP-2) and Central Compressor Site (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)

Checked the SCE work in Wiley Canyon area, and TSPs 39, 40, and 41. Looked at the PS-42 Fill Site and the activities associated with the Natural Substation and the substation access road. Checked the Central Compressor Station (CCS).

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

Met with Todd White (Arcadis) at the 210 Freeway Yard. SCE is expanding the yard out to the north – see photo. Todd indicated they plan on working on the jurisdictional drainage along the access road to TSP 24 and TSP 25 next week.

Drove to TSP 11 where the temporary guard poles have been installed – see photo.

Met with biological monitor Craig Lawrey (APM BR-1d and APM BR-6) to look at the SCE work at several of the TSP sites. Work is ongoing at TSP 21 and TSP 22, with large amounts of equipment being used at the TSP 21 pull site – see photo. Water trucks are onsite, along with a fire crew. Paleontological monitor David Schroeder is overseeing this work (MM CR-1, MM CR-3, MM CR-6, and MM CR-8). Monitors were concerned with the work hours, stating that crews were regularly staying past 1900 (their currently approved end time) and stayed until 2030 on one day. Crews continue to struggle with dust control along the access roads.

At TSP 32, the site had been drilled, the cage had been set, and the crew was pouring the foundation while I was onsite - see photo. The excess spoil had been hauled off and a fire crew was onsite.

At TSP 30 the Hillfiker wall had been finished and the foundation hole had been drilled – see photo. A crew was setting the rebar cage, with the concrete to be poured soon. The topsoil piled had been covered with jute netting.

Arrived at the Aliso site around 1100. Seth Rosenberg, SCG's Environmental Coordinator, accompanied me on my site visit.

No work was being performed at the PS-42 Fill Site. SCG hopes to address the box culvert and road drain work next week.

At the Natural Substation, a crew was installing irrigation piping along the access road – see photo. A small crew was installing BMP materials (e.g., silt fencing and straw wattles) below the access road by the oak swale. The crew is being overseen and directed by Biologist Ray Romero.

At the CCS, crews continued to work on foundations and conduit throughout the site – see photos. A small amount of work was being completed at the Guard House; this activity was being monitored by biological monitor Anna Lohr.

Drove with Seth to meet Todd White (Arcadis) who is overseeing the clearing and widening of the access road by TSPs 40, 41, and 42. An excavator and haul truck were onsite and clearing vegetation along the access road – see photos. Biological monitor Jasmine Byrd was overseeing the activity and said that all was going well. Jasmine had not seen or relocated any animals during the clearing work. The crew cleared some Venturan Coastal Sage Scrub and fenced the limits of the clearing – see photo.

The excavator was removing oak trees while I was onsite. The operator was carefully removing oak tree limbs to avoid impacting the surrounding trees.

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

Onsite monitors are in place and overseeing the construction activities – all construction personnel appear to have gone through the training.

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

Check on any work activities within the five drainages between TSP 17 and TSP 30. Dust control activities should be regularly

evaluated.

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:

Dust control needs to be regularly evaluated.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/10/15	SCE 210 Freeway Yard		The new expansion area for the 210 Freeway Yard.
7/10/15	TSP 11		Temporary poles prevent wires from falling onto the road.
7/10/15	TSP 22		Work continues on the pole site.

7/10/15	TSP 21		North side pull site and pad for the new pole.
7/10/15	TSP 21 Pull Site		Pull site between TSP 21 and 22.
7/10/15	TSP 32		The site has been drilled and concrete trucks are coming in to pour the foundation.

7/10/15	TSP 30		Stockpiled topsoil has been covered with jute netting.
7/10/15	TSP 30		Hillfiker wall was finished and the hole has been drilled. Crews are setting the rebar cage.
7/10/15	Natural Substation access road		The irrigation system is being installed.

7/10/15	Natural Substation		A crew is installing BMP materials near the oak swale area below the access road.
7/10/15	CCS		Ongoing equipment installation.
7/10/15	CCS		Southern end of the CCS area.

<p>7/10/15</p>	<p>Access road between TSP 40 and TSP 42</p>		<p>Excavator removing an oak tree.</p>
<p>7/10/15</p>	<p>Access road between TSP 40 and TSP 42</p>		<p>Newly cleared section of the access road – looking up the hill toward TSP 42.</p>
<p>7/10/15</p>	<p>Access road between TSP 40 and TSP 42</p>		<p>Cleared area that has now been fenced.</p>



Aliso Canyon Turbine Replacement Project CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	July 15, 2015
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS063
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Overcast, cool and calm – possible thundershowers predicted for later in the week. By 1pm it was clear and warm (85).
E & E CM:	Lara Rachowicz	Start/End time:	0700 - 0930 within Wiley Cyn. 0945 - 1315 at the Aliso gas field.
Project NTP(s):	Guard House and Road Widening (NTP-1). The New Admin/IM Building (NTP-2) and Central Compressor Site (NTP-3). P-41 Fill Site (NTP-2), PS-42 Fill Site, P-32 Fill site (NTP-3), and the Natural Substation (NTP-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)

Checked the SCE work in the Wiley Canyon area (TSPs 21, 22, 24, and 32), and TSPs 39, 40, and 41. Looked at the PS-42 Fill Site and the activities associated with the Natural Substation and the substation access road. Checked the Central Compressor Station (CCS).

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

Arrived at the 210 Freeway Yard and attended the tailgate meeting, which included discussion about the work at TSP 41, dust control, and the new nesting bird at the TSP 24/25 access road. This nest was a concern because it was immediately adjacent to the Jurisdictional Drainage.

SCE has cleared, fenced, and laid gravel in the expanded 210 Freeway Yard. SCE is now using the site – see photo. The piece of equipment (a bobcat) that burned during the June fire is stored in the yard – see photo.

Todd White (Arcadis) was scheduled for a conference call after the tailgate meeting. Drove to TSPs 21 and 22. Biological and paleontological monitors were onsite as crews began setting up for the day. Site preparation was nearly complete at TSP 21 and a drill rig was expected – see photo. Crews continued to work on the pull site between TSPs 21 and 22 with an excavator and dozer that were onsite – see photo. No work was being conducted at TSP 22, but some additional site preparation had been completed since my last site visit. The site appears to need some additional grading – see photo. The access road was very dry and dusty, and it does not appear to be watered down with any frequency.

Drove to the access road for TSP 24/25 to look at the nest and nest buffer signs. Observed a pair of hooded orioles that have a nest in a palm tree located next to the road and approximately 20 feet from the Jurisdictional Drainage – see photo. According to biologist Shay Lawrey the birds are on eggs.

There was no activity at the TSP 32 site, and it was assumed that crews were waiting to install the pole. The access road near this pole site was also extremely dusty, with dust estimated to be several inches deep.

Traveled to the Aliso Storage Field and arrived at around 0945. Staci-Ann Gordon (SCG) accompanied me on the site visit.

Work was not being conducted at the PS-42 Fill Site; however, a truck was transporting rock to the well pad at the base of the fill site to be used for site stabilization work – see photos. Some of the temporary diversion piping has been removed from the slope – see photo.

At the Natural Substation, a crew continued to install the irrigation piping along the access road, and another crew was working on the installation of a guard rail – see photo. Biological monitor Juan Miranda was overseeing the SCG work. Equipment was coming into the site and being stockpiled for the construction of the Natural Substation – see photo. This work was being directed by site manager David Wehman (Utility Line Management Services).

Drove to an area above the Aliso facility to meet with Shay Lawrey who was overseeing the clearing and widening of the access road by TSPs 40, 41, and 42. An excavator and haul truck were onsite and stripping topsoil from an area known to support Mariposa lilies – see photo. Shay stated that crews are taking about 6 to 9 inches of topsoil for areas with lilies; for areas supporting VSS, crews attempt to salvage 12 to 18 inches of topsoil. The haul truck brought the topsoil to the access road into a wide area near TSP 40 where a two-person biological monitoring crew (Jasmine Byrd and Daniel Smith) were raking through the soil looking for Mariposa lily bulbs – see photos. Shay stated that she has not had to relocate any animals from the construction zone. The access road was extremely dusty, and I inquired about dust control measures and also sent a text message to Todd about the need for more dust control.

At the CCS, a large piece of equipment was being lowered in place by a large crane.

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

Onsite monitors are in place and overseeing the construction activities – all construction personnel appear to have gone through the training.

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

Check on any work activities within the five drainages between TSP 17 and TSP 30, especially the work around the bird nest along the TSP 24/25 access road. Dust control activities should be regularly evaluated.

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

At a minimum, dusty areas should be wet down first thing in the morning and at the end of the work day after crews leave the site.

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.
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- Non-Compliance Level 3: (Major Incident) Level 3 are those actions that have the potential to cause or cause immediate, major risk to environmental resources such as: major environmental incident that is not in compliance with the applicant mitigation measures, permit condition, approval (e.g., variances, addendums) requirements, and/or environmental construction specifications; violation of the law; or documented repetitive occurrences of Level 2 Minor Incident events. If you checked this box, please fill out a Non-Compliance Report.
- Non-compliance issues reported by SoCalGas or SCE: Were there any new non-compliance issues reported by SoCalGas or SCE monitors since your last visit? If so, describe issues and resolution and include SoCalGas or SCE report identification number.

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

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

Dust control needs to be evaluated.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/15/15	SCE 210 Freeway Yard		<p>After being cleared, fenced, and having gravel laid down, the new expansion area is now being used.</p>
7/15/15	SCE 210 Freeway Yard		<p>Equipment (bobcat) that was burned during in the June fire.</p>
7/15/15	TSP 22		<p>Work continues on the pole site.</p>

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/15/15	TSP 21		Grading and site preparation is nearly complete for the pull site and pad at TSP 21.
7/15/15	TSP 21 Pull Site		Pull site between TSP 21 and TSP 22. Note the loose dirt/dust on the access road.
7/15/15	Access road to TSP 24 and TSP 25		Rumble plates and nest buffer at the entrance to the TSP 24 and TSP 25 access road.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/15/15	PS-42 Fill Site		Fill slope with "V" ditches and BMP materials in place.
7/15/15	PS-42 Fill Site		Fill slope looking up from the lower access road.
7/15/15	PS-42 Fill Site		Rock is being brought to the well pad below the fill site in preparation for use at the site.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/15/15	Natural Substation access road		Installation of the guard rail.
7/15/15	Natural Substation		Materials are being brought in and stockpiled at the site.
7/15/15	Project overview		Project overview looking from the Natural Substation

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/15/15	CCS		Ongoing equipment installation.
7/15/15	Access road to TSP 40 and TSP 41		Excavator is stripping topsoil in an area with Mariposa lilies.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/15/15	Access road between TSP 40 and TSP 41		Biological monitoring crew is raking through the topsoil looking for Mariposa lily bulbs.
7/15/15	Access road between TSP 40 and TSP 41		Mariposa lily bulbs.



Aliso Canyon Turbine Replacement Project CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	July 23, 2015
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS064
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Overcast and cool with a slight breeze. Afternoon is partly cloudy, 73 degrees and the same slight breeze.
E & E CM:	Lara Rachowicz	Start/End time:	0730 - 1030 within Wiley Cyn. 1115 - 1415 at the Aliso Gas Storage Field.
Project NTP(s):	Guard House and Road Widening (NTP-1). The New Admin/IM Building (NTP-2) and Central Compressor Site (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)

Checked the SCE work in Wiley Canyon area (TSPs 12 through 32), and at TSPs 39, 40, and 41. Looked at the PS-42 Fill Site and the activities associated with the Natural Substation and the substation access road. Checked the Central Compressor Station (CCS).

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

Arrived at the 210 Freeway Yard at 0730 and met with Todd White (Arcadis). We traveled to the Wiley Canyon area, stopping first at TSP 32 where we looked at the site and picked up a small ORV (Polaris) to access the other locations. At TSP 32, the SWPPP crew was installing jute netting on the access road cut banks – see photo. The new pole was not installed. From TSP 32, we could look across the freeway to TSP 35 where a crew was preparing to drill the pole foundation hole. Paleontological monitor Olivia Tierk (MM CR-1, MM CR-3, MM CR-6, and MM CR-8) was onsite, and Todd said he had swept the site earlier in the morning.

No work was being conducted at TSP 30, and BMP materials (APM GE-2) were in place – see photo. Topsoil still needed to be restored around the pole site (APM BR-3). Dust was reduced on the access roads (APM AQ-6) and this reduction was assumed to be a result of weekend rain events. According to Lucy Cortez (SWPPP inspector), the project rain gauges registered 0.6 inch.

Drove to Crescent Valley Mobile Estates and the TSP 24/25 access road where the nesting birds are now feeding chicks (APM BR-1c). Because it is a steep and dusty road, SCE was putting road base down on this access road – see photo. Todd said that a small cavity was unearthed during the grading work for TSP 24. The cavity contained several rattlesnakes, and all were captured and relocated (APM BR-7). Some hydrocarbon contaminated soil was recently found during the access road work (APM HZ-4). The contaminated soil has been separated and stockpiled on visqueen near TSP 24 (MM HZ-1) – see photo. Todd said it has been sampled and test results will determine how the material will be disposed of.

On the access road to TSP 25, excavators, haul trucks, and dozers were preparing the site for a long Hillfiker wall – see photo. The wall will stabilize the access road along an existing drainage. A baker tank was being used to provide water, and was regularly filled by water trucks. A fire crew was onsite (MM HZ-2), along with a biological monitor (Shannon Dye) (APM BR-1d and APM BR-6) and a paleontological monitor (Daniel Nolan). Fossils are abundant in this area. Several oak trees have been pruned or removed, with additional trees still to be impacted as the equipment works its way toward them. This area was burned during the June fire, and most of the shrubby vegetation was dead, but some of the trees in the drainage appear to have survived. Todd said he has informed the crews that, even though the trees were burned, some may still be alive and approvals/monitoring will be needed for their removal and/or pruning (MM BR-1, MM BR-15). The preparation work along this access road is expected to take several weeks.

Drove to TSP 22 where the site was newly drilled and poured – see photo. Crews still need to excavate the pull site near the pole. The pull site between TSPs 21 and 22 has been graded and BMP materials have been installed; however, crews still need to replace the stockpiled topsoil and reseed the site – see photo. At TSPs 21, 18, and 16, the pole foundations have been newly drilled and poured – see photo. The forms are still on the foundation at TSP 16. None of the poles at these sites have been installed. At TSP 12, a crew was working on the wires and appeared to also be removing the old lattice work tower – see photo. The access road from TSP 22 out to TSP 12 was in good shape with very little dust.

Traveled to the Aliso site, arriving shortly after 1100. Met with Seth Rosenberg (SCG's Environmental Coordinator) and discussed the project status. Seth shadowed me on my site visit. Stopped at the PS-42 Fill Site. Work was not being conducted at the fill site, but crews had finished working on the metal drains – see photo. Some BMP work (APM GE-2) was completed on the lower section of the fill site in response to the weekend storm system – see photo.

Todd arrived onsite and traveled to the TSP 40 and TSP 41 locations. Seth and I followed Todd to the access road where we meet with biological monitor Jasmine Byrd who transported us to the pole locations using a Polaris. It appears that the clearing (i.e., vegetation removal and topsoil salvage) along the access road has been completed; most of the project limits have been fenced with orange construction fencing. Work crews were conducting the grading work near TSP 40 where a Hillfiker wall and pad were being constructed. The excavated soil was being stockpiled along the existing access road – see photo. The soil will

be used to build the Hillfiker wall. A fire crew was onsite, along with biological and paleontological monitors. Exclusion fencing was needed below the wall construction. I mentioned this to Todd and he sent a message to the SWPPP inspector Lucy Cortez who planned to take care of this as soon as possible (APM BR-5).

At the Natural Substation, a crew was testing the irrigation piping, and some BMP work was completed near the oak swale – see photo. Biological monitor Juan Miranda was overseeing the SCG work. Equipment continues to be brought to the Natural Substation, and some trenching has started within the site – see photo. I discussed the work activities and schedule with site manager David Wehman.

At the CCS, equipment was being installed and concrete/slurry trucks arrived regularly – see photos.

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

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

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

Exclusion fencing needs to be checked near TSP 40. Dust control activities should be regularly evaluated.

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, 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:

Dust control activities need to be regularly evaluated.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/23/15	TSP 32		<p>Access road to the TSP 32 pad has had jute netting installed on one of the cut banks.</p>
7/23/15	TSP 30		<p>The site is ready for the pole installation. Final restoration, including topsoil replacement, is still needed.</p>

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/23/15	Access road to TSPs 24 and 25		Road base has been laid down on the access road to improve vehicle access and to prevent dust.
7/23/15	TSP 24		Some hydrocarbon contaminated soil was unearthed near TSP 24. The soil has been stockpiled on visqueen. The soil has been tested, and results will determine how the soil will be disposed of.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/23/15	Access road to TSP 25		Equipment is working along the access road and preparing the area for a long Hillfiker wall.
7/23/15	TSP 22		The foundation for TSP 22 was newly poured; forms remain to be stripped.
7/23/15	Pull site between TSP 22 and TSP 21		The grading for the pull site has been finished, with some of the BMP materials installed. Topsoil still needs to be returned to the slopes.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/23/15	TSP 21		The foundation for the new pole has been drilled and poured.
7/23/15	TSP 18		The foundation has been drilled and poured.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/23/15	TSP 16		<p>The pole foundation has been drilled and recently poured.</p>
7/23/15	TSP 12		<p>A crew is working on the wires and taking down the old lattice work tower.</p>

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/23/15	PS-42 Fill Site		Middle portion of the fill slope with "V" ditches finished and drainpipes connected.
7/23/15	PS-42 Fill Site		Lower portion of the fill site; some BMP materials were installed prior to the rain event that came through over the weekend.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/23/15	Natural Substation access road		Rainwater runoff moved sediment along the outside of the access road; the sediment was caught by the silt fence.
7/23/15	Natural Substation		Materials continue to be brought in; some excavation has been completed.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/23/15	CCS		Equipment is being worked on.
7/23/15	CCS		Concrete and slurry pours are ongoing.
7/23/15	TSP 40		An excavator has cleared out the area for the Hillfiker wall and is now getting ready to begin backfilling the wall.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/23/15	Access road at TSP 40		The access road and extra work space has been cleared; the crew is stockpiling excavated soil along the old access road.
7/23/15	Access road near TSP 41		Topsoil has been stripped and stockpiled.



Aliso Canyon Turbine Replacement Project CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	July 30, 2015
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS065
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Partly cloudy and warm with a slight breeze – warming as the day progresses.
E & E CM:	Lara Rachowicz	Start/End time:	0715 - 0930 within Wiley Cyn. 1000 to 1330 at the Aliso Gas Storage Field and up at TSP 40.
Project NTP(s):	Guard House and Road Widening (NTP-1). The New Admin/IM Building (NTP-2) and Central Compressor Site (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 (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 SCE work in Wiley Canyon area (TSPs 12 through 35), and also behind the Aliso site at TSPs 39, 40, and 41. Looked at the PS-42 Fill Site and the activities associated with the Natural Substation and the substation access road. Checked the Central Compressor Station (CCS).

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

Stopped at TSP 35 at around 0715 and noted that the pole foundation has been drilled and poured – see photo. No one was onsite, and a water truck was parked within the work area. The site was extremely dusty and it appeared that no water had been sprayed on the area.

Drove to the TSP 27 location and the steep section of the access road, just before reaching the pole site. This area was extremely dusty, and dust on the road was up to 6 inches deep. Driving at slow speeds created a 15 x 20 foot dust cloud that allowed no visibility (APM AQ-3, APM AQ-6).

Met Todd White (Arcadis) at Crescent Valley Mobile Estates and we traveled to the TSP 24/25 access road. The bird nesting signs were removed from the road entrance, and Todd stated that the oriole chicks had fledged about two days prior (APM BR-1c).

The hydrocarbon contaminated soil was still onsite near the TSP 24 tower; however, the soil was covered with visqueen (MM HZ-1). Results of the soil testing should be available as requested. Excavation of the Jurisdictional Drainage along the access road has been completed and crews were backfilling the area – see photo. Some additional soil will be transported to this location from the excavation of the TSP 22 pull site. Once backfilling is complete, the drainage will be reexcavated and the creek culvert will be installed. A crew was installing BMP materials along the access road near the downstream portion of the drainage (APM GE-2) – see photo. Crews will begin working their way up the access road toward the TSP 25 site – see photo. Some additional oak tree pruning and/or removal may be needed along this portion of the road (MM BR-1, MM BR-15). A fire crew was onsite (MM HZ-2), along with biological monitor Shannon Dye (APM BR-1d and APM BR-6).

Drove to TSP 22 where an excavator was digging out the pull site – see photo. The soil will be transported to the TSP 25 access road. The activity is being overseen by paleontological monitor Olivia Tierk (MM CR-1, MM CR-3, MM CR-6, and MM CR-8) and biological monitor Daniel Smith. Road base has been applied to the steep section of the access road from the entrance up to TSP 21. Road base allows for easier access and there is no need for watering for dust control; therefore, there is less tracking of mud onto the paved road – see photo.

No work was being performed at TSP 21. A stringing crew was working in the area of TSP 18 and TSP 19 – see photos.

Todd remained at TSP 32. While no work was being performed at this TSP, crews had installed more jute netting since the previous site visit – see photo.

Traveled to the Aliso Storage Field and arrived at 1000. Met with Seth Rosenberg (SCG's Environmental Coordinator) at the bottom of the PS-42 Fill Site where a crew was removing the old culvert – see photo. The crew planned to install the new culvert later in the day. Biological monitor Juan Miranda was onsite overseeing the work and we discussed the trenching activity, specifically whether the trench would be left open overnight (MM BIO-11). Both Juan and Seth stated that the new culvert would be installed and the trench would be backfilled by the end of the day. A water truck was providing dust control along the access road to the site.

Seth and I met with biological monitor Jasmine Byrd who provided transportation to the TSP 40 and TSP 41 locations. No construction activity was taking place at the TSPs, but an excavator at TSP 40 was working on the Hillfiker wall. It appeared that all of the soil stockpiles had been watered down, which created a crust, although the steep portion of the access road was quite dusty – see photo. Silt fence was installed below the Hillfiker wall and the TSP 40 site (APM BR-5) and was preventing dirt from traveling into the adjacent drainage – see photo.

At the Natural Substation, a crew has drilled and poured the foundations for two additional poles adjacent to the Natural

Substation – see photo. Equipment continues to be transported to the Natural Substation for excavation and concrete pours – see photo. I discussed the work activities and schedule with site manager David Wehman.

At the CCS, equipment was being installed, trenching continued, and concrete/slurry trucks arrived regularly – see photo.

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

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

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

Dust control is an ongoing issue and should be regularly evaluated.

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

Dusty conditions were noted at TSP 35, on the access road to TSP 27, and along the access road to TSP 40. The addition of road base on the steep portions of the access roads at TSP 24/25 and at TSP 21 eliminated the dust control problems in those areas.

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.
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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 #
7/30/15	Dust control at several pole sites and along the access roads has been a problem for weeks.	APM AQ-3, APM AQ-6	#8

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

Dust control needs to be evaluated.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/30/15	TSP 32		Some additional jute netting has been installed, but the work has not been completed.
7/30/15	Access road to TSP 25		BMP material installation along the access road, above the jurisdictional drainage.
7/30/15	Access road to TSP 25		The drainage along the access road has been excavated and backfilled with more soil coming in from TSP 22.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/30/15	Access road to TSP 25		Looking up the access road from the jurisdictional drainage.
7/30/15	TSP 22		Excavation of the pull site is taking place with soil being transported to the TSP 25 area.
7/30/15	Pull site between TSP 21 and TSP 22		The location is being used to stockpile the road base that is being applied to the access road.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/30/15	TSP 18		Pole installation and wire stringing is ongoing.
7/30/15	TSP 19		Pole installation and wire stringing is ongoing.
7/30/15	TSP 35		The foundation for the new pole has been drilled and poured.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/30/15	PS-42 Fill Site		The culvert trench was being excavated, beginning with the removal of the old pipe.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/30/15	PS-42 Fill Site		Lower portion of the fill site – work on the box culvert and drain pipe has been initiated.
7/30/15	Natural Substation		Materials continue to be transported to the site – some excavation has been completed.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/30/15	Natural Substation		Two additional pole foundations have been drilled and poured.
7/30/15	Natural Substation		Forms have been built within the Natural Substation.
7/30/15	CCS		Equipment continues to be transported to the site for additional excavation and concrete pours.

REPRESENTATIVE SITE PHOTOGRAPHS

Date	Location	Photo	Description
7/30/15	TSP 40		<p>An excavator continues to build the Hillfiker wall next to the pole site – exclusion fencing has been installed.</p>
7/30/15	Access road at TSP 40		<p>The access road to TSP 40 has been cleared and fenced.</p>