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January 11, 2016

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

Re: Monthly Report Summary #20 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 **November 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 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 administrative buildings, removal of old buildings, and development of Fill Sites P-41 and P-43.
- NTP #3 (July 18, 2014): Construction of the Central Compressor Station (CCS), grading for the Natural Substation, and installation of five tubular steel poles (TSPs) and string conductors.
- NTP-A (October 28, 2014): Work along MacNeil-Newhall-San Fernando and Natural-Newhall-San Fernando 66-kilovolt (kV) subtransmission lines and at the San Fernando, Newhall, Chatsworth, Sunshine, and MacNeil substations.
- NTP-B (February 24, 2015): Construction of a portion of Telecommunications Route 3 from 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 Telecommunication 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 November 5, 12, 19, and 24, 2015. Site inspection reports that summarize observed construction activities and compliance events and verify mitigation measures (MMs) were completed for all site visits. Reports are attached below (Attachment 1).

Overall, the project has maintained compliance with the Mitigation Monitoring, Compliance, and Reporting Program's (MMCRP) Compliance Plan. Communication between the CPUC/E & E compliance team and SCG and SCE has been regular and generally effective, with approximately daily correspondence to discuss and document compliance events, upcoming compliance-related surveys and deliverables, and the construction schedule. Weekly agency calls between CPUC/E & E, SCG, and SCE, along with weekly email updates from SCG and SCE, provided additional compliance information and construction summaries. Furthermore, SCG's and SCE's monthly compliance status reports for November 2015 provided compliance summaries and included: a description of construction activities for November 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, and cultural and paleontological resources; Storm Water Pollution Prevention Plan (SWPPP) measures; noise measures; the Worker Environmental Awareness Training Program (WEAP); and a summary of non-compliance incidents.

Non-Compliance Incidents

One non-compliance incident occurred during November 2015. On November 4, 2015, an SCE contractor crew was working on the installation of a headwall in Drainage #4 near TSP 25. After the headwall had been poured, a subcontractor hired to deliver and pump concrete dumped their washout water into the drainage. This subcontractor had received an abbreviated Worker Environmental Awareness Training and was unaware of the requirements to properly dispose of the concrete washout offsite. Approximately 20 gallons of washout water were released, eight gallons of which spilled onto the dirt floor of the drainage. The CPUC Project Manager was notified separately by the CPUC Compliance Monitor and SCE's Environmental Project Manager the same day. Clean up was initiated immediately after the spill occurred and an incident report was created by Henkels & McCoy (H&M) (SCE's construction contractor). As required by their 401 Water Quality Certification, SCE notified the Regional Water Quality Control Board of the spill.

Other Incidents

On November 30, 2015, an H&M crew (SCE contractor) was erecting TSP 38 when an existing conductor that was being moved broke. As the wire came to the ground, one end ran through the block near crews working on a ladder at TSP 38, bird-caging as it did so. This wire broke again and the remaining wire pulled through the block on the TSP arm, violently shaking the ladder. The shaking ladder slammed into the TSP, causing one H&M employee to hit his knee on the tower. The employee declined medical treatment and declared he was okay. Crews immediately called an all stop, and documentation of the incident was conducted. Crews secured the area for the night and waited until the following day to conduct repairs.

Public Concerns

On November 12, 2015, SCE received a call from the property manager of the Crescent Valley Mobile Estates (Mobile Estates). The property manager told SCE that a resident near TSP 23 complained about excessive dust. SCE's Environmental Project Manager was onsite that day and observed that the access roads to the SCE construction areas were well watered down; however, she observed winds blowing dust off the canyon walls, which are not part of the project or caused by the project.

On November 12 and 26, 2015, a few residents who live on La Salle Canyon Road expressed concerns about potential mud run-off that may occur as a result of winter storms.On November 16, 2015, SCE received a call and email from a resident that lives south of the access road to TSP 21. The resident expressed concerns about the potential impacts to his property that may result from winter storms. He requested that SCE implement measures to prevent mud run-off. SCE's project team made arrangements to meet with the residents to discuss their concerns.

Minor Approvals

During November 2015, two email approvals, an amendment to NTP-E, and MPR-8 were issued (Table 1).

Table 1: Minor Approvals for November 2015

Description	Approval Date
MPR-8 to allow night shifts to begin at the Central Compressor Station (SCG)	November 20, 2015
Email approval for the use of a modified escape ramp at one excavation pit at the Central Compressor Station (SCG)	November 25, 2015
Email approval for re-contouring a section of the TSP 38 access road (SCE)	November 27, 2015
NTP-E Amendment 1 for the installation of down guys along Telecommunication Routes 2 and 3 (SCE)	November 27, 2015

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

Sincerely,

Lara Rachowicz

Lara Rachowicz
Project Manager, Ecology and Environment, Inc.

CC:
Seth Rosenberg, SCG
Chris May, SCE

ATTACHMENT 1

CPUC Site Inspection Reports and Site Visit Report

November 5, 12, 19, and 24, 2015

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	November 5, 2015
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS078
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Clear, mild temperatures, and a light breeze.
E & E CM:	Lara Rachowicz	Start/End time:	0730 to 1130 at TSPs 14 through 35. 1130 to 1330 at the Aliso Storage Field and Telecommunications Route.
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-3, NTP-D). TSPs 2 through 42 (NTPs A, C, and D) and the SCE 210 Freeway Yard. Telecommunications Route 2 (NTP-E).		

SITE INSPECTION CHECKLIST

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

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

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

I checked the construction activities along the route to TSPs 14 through 25 and at TSP 35. I attempted to locate workers along the Telecommunications Route. The upper portion of the Aliso Storage Field property remained closed due to a gas leak, but the Natural Substation had just reopened for construction activities. Extensive work was being conducted at 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 0730, I arrived at TSP 35 where a wire pulling rig was parked and set up to pull wire to the pole. There were no crew members onsite; however, drip pans were in place under the rigs.

I hiked into Drainage #4 (access road to TSP 25) to check on work being conducted for the culvert. A crew was working on the header wall on the upstream side of the road crossing – see photo. The crew had previously poured concrete at the site, and it appeared that the crew had washed out the concrete truck on the creek bank, with the washout water running down into the stream channel (APM HZ-3) – see photos. I noted several other issues that would need to be addressed. Construction materials and trash were still in the drainage below the culvert work, and someone had defecated in the stream channel. In addition, a gas can was within the drainage sitting on a drip pan when it should have been within some type of containment. I spoke with Todd White (Arcadis) and Lucy Cortez (SWPPP) about these issues and they stated they would check on them and talk to the crew later in the day.

I checked TSP 23, where crews had removed the old tower foundation, as well as the entrance to the TSP 24/25 access road (APM AQ-7); both areas were in good condition.

At 0930, I met with Todd White and Arcadis botanist Mary Carroll at TSP 21. Todd and Mary discussed topsoil replacement for site restoration with Lucy Cortez (SWPPP), specifically where to place the topsoil and how to stabilize the soil on the slopes. The preferred method of topsoil stabilization could be a combination of jute netting and hydromulch. Topsoil had been stockpiled at TSP 15, and this topsoil was now being loaded and transported to the pull station between TSPs 21 and 22 – see photo. An excavator was placing the topsoil on the pull station fill slope – see photo. The SWPPP crew was spreading the topsoil (APM BR-3, APM GE-2). There were large quantities of stockpiled topsoil, and the expectation is that this topsoil will be spread at the TSP 22 and TSP 21 pull stations, as well.

Lucy Cortez (SWPPP) drove me to TSP 14 where crews were installing two McCarthy drains – see photos. We observed the crew loading the topsoil at TSP 15 – see photo. We stopped at TSP 19 where a crew was completing the final grading of the pole site and installing a McCarthy drain. Biological monitor Shannon Dye (APM BR-1d and APM BR-6) and paleontological monitor Leann Hirsch (MM CR-1, MM CR-3, MM CR-6, and MM CR-8) were observing this activity. A water truck was wetting the access road (APM AQ-3 and APM AQ-6), and a fire crew was onsite (MM HZ-2).

I arrived at the Aliso Storage Field around 1200 and went to the ACTR office to meet with Seth Rosenberg and discuss project closures. The area above the Natural Substation remained closed due to the gas leak; however, the Natural Substation was open today (openings vary with current conditions). An escort was required for me to access the Natural Substation. I spoke with superintendent David Wehman who stated crews were only mobilizing on this day, and not much work would be conducted – see photos.

I meet with Amandeep Singh at the CCS area to look at the construction activities. Extensive work was being

conducted, including equipment installation and forming/pouring foundations – see photos.

I checked for the Telecommunications crews along Box Canyon Road; however, I was unable to locate any crew members.

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

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

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

Check on clean-up of the concrete washout in Drainage #4.

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance onsite, 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 #
11/05/15	Concrete equipment was washed out in Drainage #4.	APM HZ-3, APM HZ-5	NCR-09

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

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
11/05/15	TPS 35		Pulling wire.
11/05/15	Drainage #4 TSP 24/25 access road		Concrete washout.
11/05/15	Drainage #4 TSP 24/25 access road		Concrete washout.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
11/05/15	Drainage #4 TSP 24/25 access road		Head wall work.
11/05/15	TSP 15 stockpile/ staging area		Stockpiled topsoil is being loaded and transported for restoration.
11/05/15	Pull station between TSPs 21 and 22		Placing topsoil on the pull station fill slope.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
11/05/15	Pull station between TSPs 21 and 22		Todd White, Lucy Cortez, and Mary Carroll discussing topsoil placement and stabilization.
11/05/15	TSP 14		McCarthy drain installation.
11/05/15	TSP 14		McCarthy drain installation.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
11/05/15	TSP 15		Stockpile and staging areas at TSP 15.
11/05/15	Natural Substation		Equipment at the substation.
11/05/15	Natural Substation		Overview.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
11/05/15	CCS		Ongoing construction.
11/05/15	CCS		Ongoing construction.

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	November 12, 2015
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS079
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Clear, mild temperatures, and windy.
E & E CM:	Lara Rachowicz	Start/End time:	1100 to 1230 at the Aliso Storage Field. 1300 to 1400 along the 66-kV route.
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-3, 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)

Minimal SCE work was being conducted due to high winds. The upper portion of the Aliso Storage Field remained closed due to a gas leak, including the Natural Substation. Work was ongoing at 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 arrived at the Aliso Storage Field at 1100 and checked in with Seth Rosenberg to discuss project activity. The upper portion of the site, including the Natural Substation, remained closed due to a gas leak. I checked the new Admin/IM Building location and the CCS. I connected with Juan Miranda who is the sole biological monitor (APM BR-1d and APM BR-6); according to Amandeep Singh, additional monitors will be brought in when the upper portion of the project is reopened.

Trenching activity continued at the new Admin/IM Building site, with several open trenches and large quantities of stockpiled soil – see photos. A water truck was on-hand for compaction needs and dust control (APM AQ-3 and APM AQ-6). It was windy, with gusts up to 25 mph; no hot work permits were issued for the day, and most of the wire stringing work, including telecommunications, was discontinued.

At the CCS, work continued on equipment installation and foundations – see photo. I checked the slopes above and below the CCS and evaluated the BMPs. Most of the wattles, drains, and catch basins need to be repaired, upgraded, or replaced – see photos. Weeds are growing on the slopes, including Russian thistle (aka tumbleweed), castor bean, and fountain grass. The castor bean is especially abundant on the slope below the CCS – see photo. While weedy vegetation can help to stabilize the slopes, the Russian thistle will soon die, break off, and spread seed.

I departed the Aliso Storage Field at 1230 and drove to TSPs 32 and 33. The TSP 33 pole had been installed, but no wire pulling crews were onsite due to the winds. At TSP 32, the roadway and pole pad may need additional BMPs and some grading was still needed in front of the McCarthy drain – see photo.

I hiked into Drainage #4 (access road to TSP 25) to check on the clean-up work. No crews were onsite; however, the clean-up of the concrete washout was adequate – see photo. Some construction materials (e.g., gravel bags, revetment wire) remain within the drainage downstream of the culvert – see photo.

I drove to the pull station between TSPs 21 and 22 to look at the topsoil replacement work – see photo. The restored slope was in good condition, but no stabilization measures had been installed.

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

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

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

Continue checking on the BMP work throughout the project.

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance

onsite, environmental observations of note)

Removal of Russian thistle is recommended since it will soon die, dry out, break off, and begin spreading seed.

COMPLIANCE SUMMARY

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

☐ Compliance Level 0: New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.

☐ Non-Compliance Level 1: Violates the project's environmental requirements but does not immediately put environmental resources at risk. Applicant will need to correct the action and/or prevent repeat incidents of the same issue. If you checked this box, describe the incident below and follow-up to ensure correction.

☐ Non-Compliance Level 2: (Minor Incident) Level 2 should be those actions that have the potential to cause or cause immediate, minor risk to environmental resources such as activities that result in a deviation from the mitigation measure requirements that result in minor, short-term impact to resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report.

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

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

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

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

The concrete slurry washed into Drainage #4 was cleaned up.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
11/12/15	New Admin/IM Building		Trenching and earthwork.
11/12/15	New Admin/IM Building		Trenching and earthwork.
11/12/15	CCS		Site overview.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
11/12/15	CCS		Slope above the main CCS area – note the BMPs in need of repair or replacement.
11/12/15	CCS		Slope above the main CCS area – note the weeds, as well as the BMPs in need of repair or replacement.
11/12/15	CCS		Drain catching runoff from the slopes above the CCS site; needs BMP repairs and/or upgrades.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
11/12/15	CCS		Slope below the CCS site has castor bean growth.
11/12/15	TSP 32		McCarthy drain entrance needs to be regraded.
11/12/15	Pull station between TSPs 21 and 22		Topsoil restoration.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
11/12/15	Drainage #4 TSP 24/25 access road		Concrete washout was cleaned up.
11/12/15	Drainage #4 TSP 24/25 access road		Construction materials in the drainage.

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	November 19, 2015
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS080
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Clear, warm, and calm in the morning; breezy in the afternoon.
E & E CM:	Lara Rachowicz	Start/End time:	0800 at the 210 Freeway Yard – TSPs 21 through 25. 1030 to 1130 at the Aliso 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-3, 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)

The upper portion of the Aliso Storage Field property remained closed due to a gas leak, including the Natural Substation. Ongoing work was being performed at the CCS and the new Admin/IM Building. I checked TSPs 19 through 25 and the SCE 210 Freeway Yard.

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 made a stop at the SCE 210 Freeway Yard and briefly checked the BMPs (gravel bags that line the downslope side of the site). The BMPs needed upgrading and/or replacement.

I drove to TSP 21 where I checked on the restoration work at TSPs 21 and 22 and at the three pull sites – see photos. All of the stockpiled topsoil had been replaced covering most of the pull site slopes. Stabilization of the topsoil had not been completed. I spoke with a SWPPP crew member, Mark (unknown last name), and he stated that they are waiting on a determination as to what materials they will use. We also discussed the BMP work needed at TSP 32 and at the entrance to the TSP 12 through 22 access road at the Mobile Estates. The crew had already placed gravel check dams along the access road.

I met with Todd White (Arcadis) at the Mobile Estates and we drove into the TSP 24/25 area. The entrance road was in good condition and a large crew was working on installation of a Hilfiker wall along the access road to TSP 25 – see photos. The work was being conducted in Drainage #4, which runs along the access road; both biological (APM BR-1d and APM BR-6) and paleontological (MM CR-1, MM CR-3, MM CR-6, and MM CR-8) monitoring is being conducted at this site. A soil plug remained in the drainage; the drainage was being used as a parking and stockpile area. A concern is whether road stabilization drainage restoration can be completed before the winter rains. I spoke with Todd White about this and suggested they consider removing the soil plug as soon as possible; Todd said he had these same concerns and had passed them along to Lucy Cortez.

At the Aliso Storage Field, I checked in with Seth Rosenberg to discuss project activity. The upper portion of the site remained closed due to the gas leak, including the Natural Substation. I checked the new Admin/IM Building location and the CCS. Juan Miranda was the AECOM onsite biological monitor.

Trenching activity continued at the new Admin/IM Building site; there were several open trenches and a large stockpile of soil – see photos. Coverage of some of the stockpiled soil needs repair. BMPs on one of the slopes needs maintenance.

At the CCS, work continues on equipment installation and foundations, and more of the area now paved – see photo. BMPs above and below the CCS need repair and/or upgrades; site drainage remains a concern.

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

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

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

Continue checking on the BMP work throughout the project and possibly meet with someone at the CCS to understand drainage.

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

Weed removal is suggested, especially Russian thistle (aka tumbleweed). Castor bean is starting to set seed; removal of at least the seed heads is recommended.

COMPLIANCE SUMMARY

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

☐ Compliance Level 0: New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.

☐ Non-Compliance Level 1: Violates the project's environmental requirements but does not immediately put environmental resources at risk. Applicant will need to correct the action and/or prevent repeat incidents of the same issue. If you checked this box, describe the incident below and follow-up to ensure correction.

☐ Non-Compliance Level 2: (Minor Incident) Level 2 should be those actions that have the potential to cause or cause immediate, minor risk to environmental resources such as activities that result in a deviation from the mitigation measure requirements that result in minor, short-term impact to resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report.

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

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

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

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

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
11/19/15	TSP 22 and pull station		Crews are stringing wire.
11/19/15	TSP 21 and pull station		Topsoil restoration.
11/19/15	TSP 21/22 pull station		Restored slope above the pull station.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
11/19/15	Drainage #4 TSP 24/25 access road		Installation of a Hilfiker wall.
11/19/15	Drainage #4 TSP 24/25 access road		Equipment and materials are parked/stored in the drainage.
11/19/15	Admin/IM Building		Soil pile with what appears to be numerous attempts to cover it.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
11/19/15	Admin/IM Building		Trenching and earthen piles.
11/19/15	Admin/IM Building		Slope between the two aspects of the new Admin/IM Building – showing BMPs.
11/19/15	CCS		Site overview.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
11/19/15	CCS		Slope above the main CCS area.

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	November 24, 2015
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS081
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Clear and cool with a slight breeze.
E & E CM:	Lara Rachowicz	Start/End time:	0800 at TSPs 21 through 25. 0945 to 1130 at the Aliso Storage Facility.
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-3, 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)

Monitoring was conducted for the CCS and the new Admin/IM Building, as well as TSPs 21 through 25.

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 Mobile Estates and checked TSPs 21 and 22. I noted no new progress at either of these locations. I drove with Todd White by the TSP 24/25 entrance road. There were no issues with soil being tracked out onto the paved road (APM AQ-7) and there were no dust issues (APM AQ-6).

We walked into Drainage #4 between TSPs 24 and 25 to check on the Hilfiker wall work along the access road. The work is being overseen by biological monitor Shannon Dye (APM BR-1d and APM BR-6). A temporary bypass channel has been dug around the soil plug in the stream channel – see photo. This bypass channel has been partially lined with rock to allow streamflow to pass around/over the construction-created soil plug that remains in the drainage. The onsite crew was working on the Hilfiker wall and had finished excavating a long stretch of the wall; all the cages appear to be installed. During my site visit, the crew was filling the cages with rock, lining them with filter fabric, and then backfilling with soil – see photo.

At the Aliso Storage Field, I checked in with SCG representative Jennifer Campbell and AECOM coordinator Ray Romero to discuss project activity. The upper portion of the site remained closed due to the gas leak, including the Natural Substation. I checked the new Admin/IM Building location and the CCS. Juan Miranda was the AECOM onsite biological monitor.

Open trenches were present within the new Admin/IM Building location; however, none were very deep and they had exit ramps (MM BIO-11) – see photo. Both the CCS and the new Admin/IM Building areas are swept first thing in the morning by the onsite biologist (APM BR-7); there are no recent reports of animals being found in the trenches.

At the CCS, equipment and some piping were being installed; a large soil stockpile remains onsite – 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 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)

Continue checking on the BMP work throughout the project and possibly meet with someone at the CCS to discuss drainage.

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

Weed removal is suggested, especially Russian thistle (aka tumbleweed). Castor bean is starting to set seed; removal of at least the seed heads is recommended.

COMPLIANCE SUMMARY

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

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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 #

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

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
11/24/15	Drainage #4 TSP 24/25 access road		A temporary diversion channel around the soil pile in Drainage #4 has been dug out and lined with rock.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
11/24/15	TSP 24/25 access road		Installation of a Hilfiker wall continues, with crews working their way up the access road toward TSP 25
11/24/15	New Admin/IM Building		Overview of the site.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
11/24/15	CCS		Spoil pile stockpiled in one corner of the site.