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May 10, 2016

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

Re: Monthly Report Summary #24 for Aliso Canyon Turbine Replacement Project

Dear Mr. Barnsdale:

This monthly report provides a summary of the compliance monitoring activities that occurred during the period of **March 1 to 31, 2016**, 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 conductor.
- NTP-A (October 28, 2014): Work along Natural-Newhall-San Fernando and MacNeil-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 Telecommunications Routes 1, 2, and 3.

Onsite compliance monitoring by the Ecology and Environment, Inc. (E & E) compliance team during this reporting period focused on weekly spot-checks of ongoing construction activities. Compliance Monitor Vince Semonsen visited the Aliso construction site on March 1, 10, 18, 25, and 30, 2016. 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 March 2016 provided compliance summaries and included: a description of construction activities for March 1 to 31, 2016; 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); a summary of non-compliance incidents; and a list of recent project approvals.

Compliance Incidents

Non-Compliance Report

The CPUC issued SCG Non-compliance Report (NCR) 8 on March 28, 2016. NCR 8 – a Level 2 NCR – was issued for repeated failures to upgrade or repair identified stormwater best management practices (BMPs) deficiencies at the Aliso Canyon Natural Gas Storage Field (Storage Field). The CPUC/E & E team and SCG's SWPPP contractor documented deficiencies and discussed concerns related to proper compliance with SCG multiple times between November 2014 and May 2015. In several cases the same deficiency remained unattended for multiple weeks at a time, despite requirements in the SWPPP to begin addressing deficiencies within 72 hours of their discovery. SCG has since improved their compliance with the requirements for addressing identified BMP deficiencies.

Compliance with Nesting Bird Measures

On March 9, 2016, a biological monitor observed an SCG contractor's (Quality Ag's) crew walking into a red-tailed hawk buffer (RTHA-01). The biological monitor informed the crew that they were encroaching into the buffer and asked them to leave. The crew exited the buffer immediately. An avian biologist was conducting observations of the nest during the time of the encroachment and noticed the birds appeared disturbed but did not flush from the nest during the encroachment and resumed normal behavior after the encroachment. SCG reported this incident to the CPUC on March 11, 2016. This incident followed a nest buffer encroachment event on February 24, 2016 (described in February 2016 CPUC Monthly Report), when SCG's biological monitor observed an SCG contractor staging materials, parking vehicles, and operating equipment within an established American bushtit nest buffer.

On March 30, 2016, a biological monitor observed an SCE-contracted construction crew's grader operating within nest buffers between TSPs 28 and 29. The biological monitor stopped work and discussed the situation with the operator. SCE reported the incident to the CPUC the following week.

Numerous bird nests are detected in and near project areas during the nesting bird season (approximately February 1 through August 31). The ACTR Project's Nesting Bird Management Plan requires that exclusionary buffers are placed around active nests in order to comply with project commitments to protect nesting birds and with state and federal regulations. Regular training and refreshers for construction crews as well as the establishment of clear buffers in the field are necessary to maintain compliance with the Nesting Bird Management Plan. Due to the encroachment of crews into established nest buffers during February and March 2016, both SCG and SCE have increased their training and outreach efforts to ensure contractors know how to avoid bird buffers. In addition, the CPUC/E & E team has reminded SCG and SCE on several occasions to remain vigilant in protecting nesting birds.

Special Status Species Observations

Eleven live newts were relocated and four dead newts were documented and collected during March 2016.

Public Concerns

On March 30, 2016, an SCE-contracted biological monitor was approached by a resident near TSP 2 in Newhall who claimed construction equipment caused her back patio to crack. The monitor gave the resident SCE's 1-800 number to report her concern. SCE's Local Public Affairs representative was directed to follow up with the resident.

Minor Approvals

During March 2016, several email approvals and Minor Project Refinement (MPR)-I were issued (Table 1).

Table 1: Minor Approvals for March 2016

Description	Approval Date
MPR-I was approved to temporarily modify a portion of Telecommunications Route 2 at the Aliso Canyon Natural Gas Storage Field. (SCE)	March 3, 2016
Email approval for modifications to the cultural-paleontological monitoring requirements for remaining construction activity at TSPs 26 through 32. (SCE)	March 8, 2016

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

March 1, 10, 18, 25, and 30, 2016

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	March 1, 2016
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS094
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Hazy with sunshine; warm with a slight breeze.
E & E CM:	Lara Rachowicz	Start/End time:	0930 to 1100 checked SCE work. 1130 to 1330 at the Aliso Storage Field.
Project NTP(s):	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 and NTP-A). 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 access roads to TSP 21, 24/25, 26 and the TSP 32 and 33 sites. At the Aliso Storage Field, I checked the PS-42 Fill Site work, the Natural Substation, the new Admin/IM Building, and the CCS.

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

I meet with SCE's lead monitor, Todd White (Arcadis), at the TSP 27 access road and we drove to TSP 32. Crews had not regraded the TSP 32 pad to redirect rainwater runoff into the McCarthy drain, but a crew had fixed some of the erosion rills along the drain. Todd White and I discussed the removal of the construction trash at this location and at others. Todd White stated that he and Lucy Cortez (SCE's SWPPP inspector) were generating a punch list of items to be fixed and/or cleaned up (APM PS-1). Rock and cages were stockpiled at the TSP 32 staging area. Todd White assumed these materials were intended for the drainage repair at TSP 30.

With the use of a helicopter, a crew was removing portions of the old lattice work towers at TSP 33 and placing them in the staging area – see photo. The helicopter backdraft was very strong and generated large quantities of dust. As a result, Todd White (Arcadis) spoke with the crew about getting a water truck to wet down the site again. A water truck arrived onsite as we were getting ready to leave. A fire crew was observing the tower removal operation. At several other locations, hand crews were working on the removal of the old tower foundations. It appeared that all operations were moving forward as planned.

I drove past the entrances to the TSP 26, TSP 24/25, and TSP 22-12 access roads, and all areas appeared to be in good condition with no mud or debris observed on the paved road (APM AQ-7). I did not travel to the TSP 24/25 access road to Drainage #4 because Todd White (Arcadis) indicated that repair work was not being conducted at this site.

I drove to the Aliso Storage Field and arrived at approximately 1130. I noted that the exclusion fencing has been removed from along Limekiln Creek, east of the Guard House. The fencing remained along the creek near the lower sedimentation basin/newt pond (near the Guard House), and the spoil pile had been removed from the small staging area – see photo.

I spoke with Seth Rosenberg (SCG) and SCG's lead monitor, Amandeep Singh (AECOM), at Aliso Storage Field office. Amandeep Singh said that Juan Miranda (SCG biological monitor) and Olivia Tierk (SCG paleontological monitor) were onsite, and that Rob Conohan (SCG avian biologist) had conducted nesting bird surveys (APM BR-1c, MM BR-8) earlier in the week. I saw both Juan Miranda (APM BR-1d, APM BR-6) and Olivia Tierk (MM CR-8) during my site visit; Olivia was primarily focused on the excavation activities at the new Admin/IM Building site. According to Amandeep Singh, a great horned owl nest was found just west of the Aliso Storage Field office, but no other new nests were identified. Buffer fencing and signage had been installed around the owl nest.

While driving to the PS-42 Fill Site, I noticed a crew conducting maintenance work on the best management practices (BMPs) around the first relief well (for a previous well leak not associated with the ACTR Project). At the PS-42 Fill Site, a crew was working on preparing the site to accept more soil – see photo.

At the Natural Substation, crews continue to trench for and install conduit and grounding wire – see photo. A small crew with a skip loader was conducting clean-up work after the 12-kV power plant line foundation installation just south of the oak swale. The crew was collecting the excess soil into a pile in preparation for moving the soil to the PS-42 Fill Site – see photo. Within the oak swale, a crew was laying coconut fiber blankets in the erosion rills and filling them in with rock (APM GE-2) – see photo.

Trenching for landscaping irrigation was continuing, along with caisson drilling, at the new Admin/IM Building site – see photos. Paleontological monitor Olivia Tierk (SCG) was onsite.

Trenching continues at the CCS site, along with installation of the infrastructure – see photo. I checked the light poles, which were on at the time of my site visit. While all the lights were shielded, they did not all appear to be pointing downward (APM AE-1) – 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)

Erosion repairs at Drainage #4 along the TSP 24/25 access road, at TSP 7, and at TSP 49 need to be checked.

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.

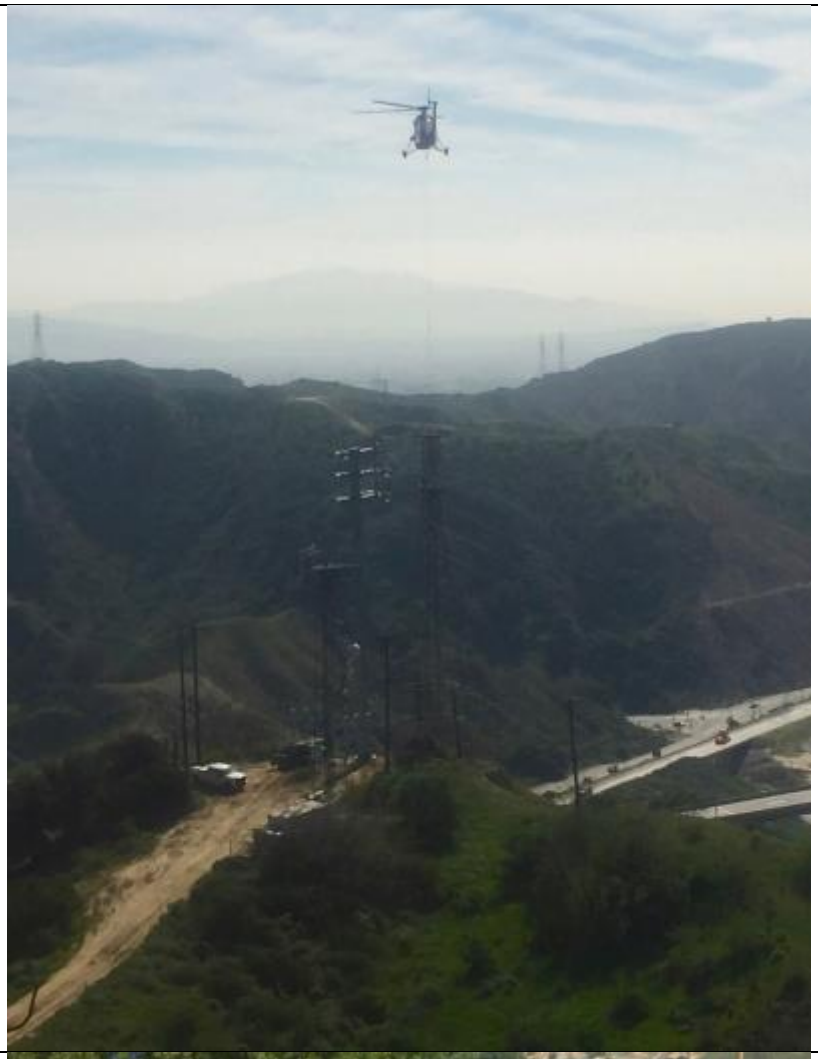
☐ Non-Compliance Level 3: (Major Incident) Level 3 are those actions that have the potential to cause or cause immediate, major risk to environmental resources such as: major environmental incident that is not in compliance with the applicant mitigation measures, mitigation measures, permit condition,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

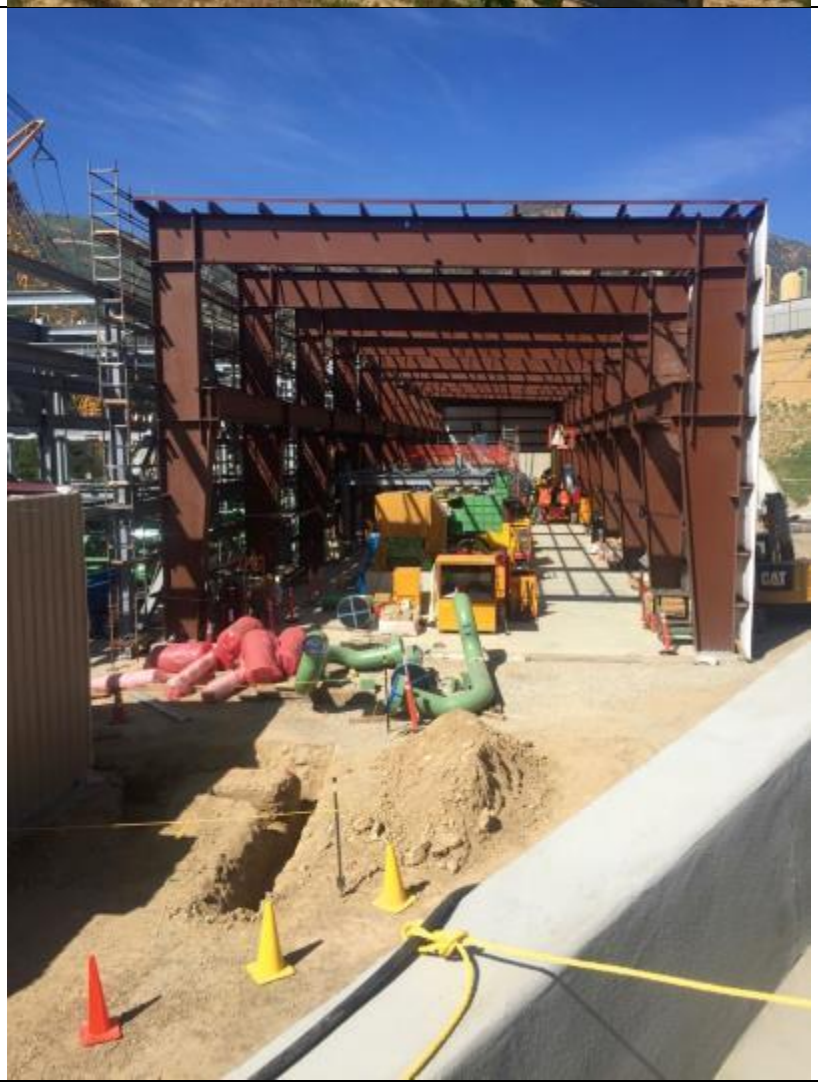
PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/01/16	TSP 33		Helicopter removing the old lattice work towers.
3/01/16	Lower sedimentation basin/newt pond near the Guard House		Fencing to protect the newts has been repaired.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/01/16	PS-42 Fill Site		Site preparation to accept more soil.
3/01/16	Natural Substation		Grounding wire installation.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/01/16	Natural Substation		Conduit installation continues.
3/01/16	Natural Substation		Clean-up work after the 12-kV plant power line foundation installation.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/01/16	Natural Substation access road – oak swale		Crews have been conducting repair work on the erosion rills through the oak swale.
3/01/16	New Admin/IM Building		Trenching for landscape irrigation lines continues.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/01/16	New Admin/IM Building		Drilling for caissons.
3/01/16	CCS		Some trenching continues within the CCS.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/01/16	CCS		One of two large light poles within the CCS; lights were on during the daytime.

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	March 10, 2016
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS095
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Clear, calm, and warm in the morning, and cloudy and breezy in the afternoon.
E & E CM:	Lara Rachowicz	Start/End time:	0815 to 1030 checked SCE work. 1100 to 1330 at the Aliso Storage Field.
Project NTP(s):	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 and NTP-A). 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 access roads to TSPs 21, 24/25, 26 and the TSP 32 and 33 sites. At the Aliso Storage Field, I checked the PS-42 Fill Site work, the Natural Substation, the new Admin/IM Building, and the CCS.

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

I first stopped at TSP 7 to check the access road. No regrading work had been completed for the road; this may be due to the nesting bird buffer noted near the beginning of the access road.

I drove past the entrance roads to the TSP 21 and TSP 24 access roads. The entrance/exit at TSP 21 was in good condition with no material tracked out onto the paved roadway (APM AQ-7). Approximately 2 inches of rain had fallen earlier in the week, and the entrance/exit to the TSP 24/25 access road had suffered some damage from the rainwater runoff – see photo. It appeared that the first culvert under the access road had clogged with sediment, thereby diverting water down the access road and almost washing out the gravel and rumble plates. No work activities were taking place along Drainage #4.

I drove along the access road from TSP 27 to TSP 30; the road had some erosional rilling, but it was drivable. At TSP 27, the old lattice work tower had been dismantled, but the concrete foundations remained onsite – see photo; this material will be collected and removed (APM PS-1). There is some minor rilling at the TSP 27 pad. SCE's avian biologist, Brian Karpman (Jericho Systems), was conducting nesting bird surveys along this stretch of the work area (APM BR-1c, MM BR-8).

At TSP 30, a crew was using hand tools to dig out the old tower anchors – see photos. The crew dug down 2 feet, used torches to cut off the anchors, and then carefully backfilled the holes; very little area was disturbed with this method. A water truck was onsite, along with a fire crew (MM HZ-2). SCE's biological monitor, Jasmine Byrd (Jericho System), was overseeing the construction activities at this location and at TSP 32 (APM BR-1d, APM BR-6). According to SCE's lead monitor, Todd White (Arcadis), these crews were conducting regarding work at TSP 32, but I did not travel to that site. Some rock had been brought to the TSP 30 staging area; Todd White said crews were supposed to start on the repair of the jurisdictional drainage – see photos. The water truck wet down the portions of the access road where dust was a concern (APM AQ-4).

I drove to the Aliso Storage Field and travelled to the top of the mountain to meet with Todd White (Arcadis) and then travelled with Todd White to the TSP 39 through TSP 42 locations. I had not been to this area since before the winter rains and the roads, road shoulders, and tower pads were in good condition. There was some erosional rilling on the access roads, but they were all drivable – see photos. The location with the most rilling was at the bottom of a very steep section coming down to TSP 39 – see photo. The rainwater runoff coming down toward TSP 39 is directed into a McCarthy drain, but the amount of water has been causing problems below the McCarthy drain outlet. Todd White is aware of the situation, and the SWPPP crew has implemented some temporary fixes.

Todd White (Arcadis) and I looked at some of the revegetation areas along the access road, and there were numerous sprouts (MM BR-12) – see photo. Some stockpiled topsoil remains near TSP 39; ideally, this area should be restored before the end of the rainy season. Lastly, we used binoculars to check the peregrine nest across the canyon; we were able to observe the birds flying in and out of the nest site. Todd White reported this information to SCE's avian biologist, Brian Karpman (Jericho Systems).

As I travelled down the mountain, I stopped to take a photo of the Oak Tree Mitigation Site and the second relief well site (for a previous well leak not associated with the ACTR Project) – see photo. I scanned the site with

binoculars and saw no erosion issues. A biologist was walking around the oak tree cages and taking notes (MM BR-15). I then stopped to examine the PS-42 Fill Site where water remained ponded on top of the site – see photo; the slopes of the PS-42 Fill Site were in good condition and no rilling was noted.

At the Natural Substation, a large crew continued to work on infrastructure installation. I examined a number of hardhats, and all appeared to have the proper training stickers (APM HZ-6) – see photo. Perimeter fencing was being installed around the Natural Substation. A SWPPP crew was putting jute netting on the east-facing slopes of the Natural Substation (APM GE-2) – see photo. The area around the 12-kV plant power line foundations had been cleaned up, the excess soil had been transported to the PS-42 Fill Site, and erosion BMPs were installed – see photo.

I walked into the oak swale and looked at the stabilized erosion rills – see photo. It appeared that a small amount of water had run down through the area and the rock-covered coconut fiber had held up well. Seth Rosenberg (SCG) said he was at the oak swale during the earlier storm and only clear water was entering the oak swale from the biofiltration unit.

I checked in at the ACTR office and talked to Seth Rosenberg (SCG) and SCG's lead monitor, Amandeep Singh (AECOM). Amandeep Singh said that SCG's biological monitor, Juan Miranda, and SCG's paleontological monitor, Olivia Tierk, were onsite (APM BR-1d, APM BR-6, MM CR-8); SCG's avian biologist, Rob Conohan, was also onsite conducting nesting bird surveys (MM BR-8) and construction monitoring.

At the new Admin/IM Building, a SWPPP crew was placing jute netting on the slopes – see photo.

At the CCS, I re-checked the light poles; the lights were bolted to the wall, and most of the lights were pointing downward (APM AE-1).

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 erosion repairs at Drainage #4 along the TSP 24/25 access road, at TSP 7, and at TSP 49.

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

Stockpiled topsoil at TSP 7, TSP 30, and TSP 39 should be restored as soon as possible.

Weed growth is evident at numerous locations; weed removal will help the long-term restoration (MM BR-13).

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.

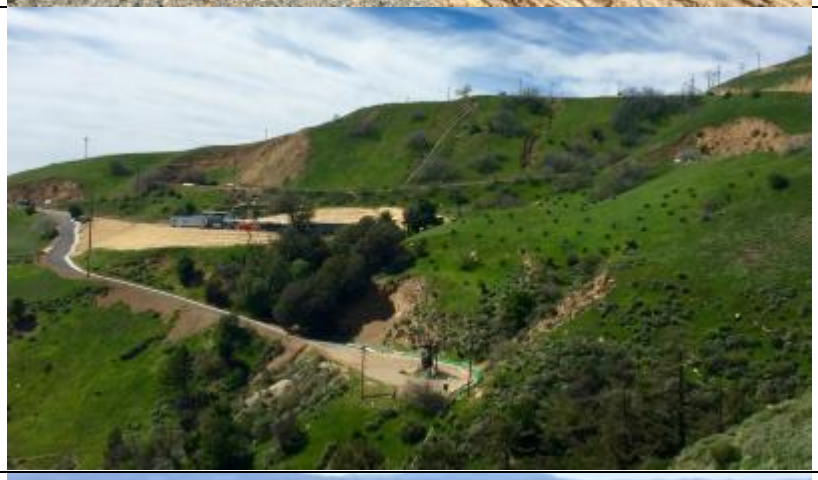
Date	Non-compliance issue and resolution	Relevant Mitigation Measure	NC Report #

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

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/10/16	TSP 24/25 access road entrance		The rumble plates at the entrance to the access road need maintenance following the last storm system.
3/10/16	TSP 27		The old lattice work tower is gone, but the foundation plugs remain onsite. Some erosion rills run through the TSP pad.
3/10/16	TSP 30 staging area		Rock is onsite for repair of the jurisdictional drainage; topsoil remains.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/10/16	TSP 30		Jurisdictional drainage along TSP 30 access road. Photo is looking down into the downstream side of the access road.
3/10/16	TSP 30		Crews are conducting hand-removal of the old tower foundations.
3/10/16	TSP 30		The crew onsite at TSP 30 includes a work truck, a water truck, and a fire crew.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/10/16	TSP 40		Revegetation plots along the access road down to TSPs 39 and 40
3/10/16	TSP 40 access road		Erosion rills along the access road.
3/10/16	TSP 39		Large road shoulder area that needs restoration. Topsoil is still stockpiled below this slope.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/10/16	TSP 39		Rainwater runoff coming down the access road is directed into the McCarthy drain just above TSP 39. The erosion rill is evidence that large quantities of water flow down this portion of the access road.
3/10/16	Oak mitigation area		Overview.
3/10/16	PS-42 Fill Site		Some ponding of rainwater on the top of the PS-42 Fill Site.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/10/16	Natural Substation access road – oak swale		Repair work has been completed on the erosion rills through the oak swale.
3/10/16	Natural Substation		Final clean up after completion of the 12-kV plant power line foundation installation activities.
3/10/16	Natural Substation		The SWPPP crew is placing jute netting on the east-facing slopes of the Natural Substation.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/10/16	Natural Substation		Overview.
3/10/16	New Admin/IM Building		Crews are upgrading the erosion control measures on the slopes.

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	March 18, 2016
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS096
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Sunny and warm with no breeze.
E & E CM:	Lara Rachowicz	Start/End time:	0930 to 1100 checked SCE work. 1115 to 1300 at the Aliso Storage Field.
Project NTP(s):	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 and NTP-A). 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 access roads to TSPs 21, 24/25, 26 and the TSP 30 and 32 sites. At the Aliso Storage Field, I checked the PS-42 Fill Site work, the Natural Substation, the new Admin/IM Building, and the CCS.

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

I first stopped at the entrance/exit to the TSP 24/25 access road. The rock and rumble plates had been partially reset and it appeared that vehicles had travelled up the road – see photo. A bird buffer sign was posted at the road entrance, and work had not begun on the erosion problems at Drainage #4. Mud and rock were still on the paved road; however, this area of the Crescent Valley Mobile Estates (Mobile Estates) is closed to vehicle traffic.

The entrance/exits at TSP 21 and TSP 26 appeared to be in good condition, and no material had been tracked out onto the paved roadway (APM AQ-7).

I drove along the access road from TSP 27 to TSP 32. A sizable crew was working on the jurisdictional drainage near TSP 30 and stabilizing the drainage with rock gabions and a culvert – see photos. Equipment onsite included two excavators, a front loader, and a water truck (APM AQ-4). A portion of the drainage had been excavated earlier in the week, and the crew was installing rock, rock gabions, and a culvert. The work was being overseen by SCE's biological monitor, Jasmine Byrd (Jericho Systems), a paleontological monitor, and several geologists (MM CR-8, APM BR-1d, APM BR-6). A fire crew was also onsite (MM HZ-2). Jasmine Byrd said she did not see any animals when the crew was clearing out the drainage.

At TSP 32, a crew had completed minor grading of the pole pad and had added a small berm to direct rainwater runoff into the McCarthy drain – see photo. The old construction equipment and the exclusion fencing was cleaned up and removed from the site (APM PS-1). Weeds (black mustard, milk thistle) were growing in the work areas; this had been previously noted at a number of locations.

I drove to the Aliso Storage Field and stopped in at the ACTR office where I spoke with SCG's lead monitor, Amandeep Singh (AECOM), about the project status and activities. He said SCG's avian biologist, Rob Conohan, was conducting nesting bird surveys (APM BR-1c, MM BR-8) and providing some construction oversight with SCG's biological monitor, Juan Miranda. Amandeep Singh said that the site had received 0.7 inch of rainfall the previous weekend.

I checked the PS-42 Fill Site where water was still ponded on top of the site – see photo. A small crew was pumping out the water and sending it down through the culverts on the front slope of the PS-42 Fill Site. The water looked clear, though the bottom of the pool was mud. I checked the SS-30 staging area near the PS-42 Fill Site and observed a small crew breaking up rock. The crew had access to water and were occasionally watering the rock to reduce dust.

A small crew was working on the 12-kV plant power line near the Natural Substation where they were excavating for and installing the ductbank – see photos. This conduit was covered with a colored slurry. I asked Seth Rosenberg (SCG) if the crew would complete the backfilling by the end of the day and he responded that the crew would finish the backfilling. I walked into the oak swale and noted that the rocked erosion rill was holding up well and had begun to capture sediment and vegetative debris.

At the Natural Substation, the crew works Monday through Thursday; therefore, no work was being conducted at this location on the day of my site visit. The perimeter fence was nearing completion; a portion of the site had been

paved and gravel had been laid down throughout the Natural Substation – see photo. Vehicles parked near the Natural Substation were covered with bird netting.

At the new Admin/IM Building site, trenching work continued for electrical and plumbing. A paleontological monitor was onsite since crews were working in the bedrock – see photo.

Work was ongoing at the CCS.

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 erosion repairs at Drainage #4 along the TSP 24/25 access road, and at TSP 7.

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

Stockpiled topsoil at TSP 7, TSP 30, and TSP 39 should be restored as soon as possible.

Weed growth is evident at numerous locations; weed removal will help the long-term restoration (MM BR-13).

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 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
3/18/16	TSP 24/25 access road entrance		The rumble plates and road have been reset; it appears vehicles have been traveling on the road.
3/18/16	TSP 30		Jurisdictional drainage at TSP 30 is being upgraded.
3/18/16	TSP 30		Crews are installing rock gabions and a culvert in the jurisdictional drainage.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/18/16	TSP 30		Rock being placed downstream of the new road culvert.
3/18/16	TSP 32		A berm has been created to direct water into the McCarthy drain. Weedy growth seems to have established within some of the construction areas.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/18/16	PS-42 Fill Site		Water continues to pond on the top of the PS-42 Fill Site. A crew is pumping the water and sending it through the drainage system.
3/18/16	SS-30 staging area		Stockpiled rock is being broken up.
3/18/16	12-kV plant power line at the Natural Substation		Backfilling of the ductbank.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/18/16	12-kV plant power line at the Natural Substation		Slurry and backfilling of the ductbank.
3/18/16	Natural Substation		Parking area has been paved and gravel was laid within the facility.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/18/16	Natural Substation		Bird netting is placed over the equipment vehicles.
3/18/16	New Admin/IM Building		Crews are continuing to excavate within the site.

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	March 25, 2016
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS097
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Sunny and warm with no breeze.
E & E CM:	Lara Rachowicz	Start/End time:	0900 to 1100 checked SCE work. 1115 to 1300 at the Aliso Storage Field
Project NTP(s):	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 and NTP-A). 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 access roads to TSPs 21, 24/25, 26, and 27 and the TSP 30 and 32 sites. At the Aliso Storage Field, I checked the PS-42 Fill Site work, the Natural Substation, the new Admin/IM Building, and the CCS.

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

At 0900, I arrived at the TSP 27 to TSP 32 access road. At TSP 27, the old tower foundations had been removed from the pad area (APM PS-1). I noted several nesting bird buffers along the access road that allowed for vehicular traffic.

At the TSP 30 area, the crew had completed the main work on the jurisdictional drainage – see photos; the crew was preparing to conduct some finish grading to the access road. The drainage repairs were substantial and expected to handle any rainwater runoff issues. SCE's biological monitor, Daniel Smith (Jericho Systems), was onsite to oversee the work (APM BR-1d, APM BR-6), and he said that SCE's avian biologist, Brian Karpman (Jericho Systems), was also onsite (APM BR-1c, MM BR-8). A water truck was conducting dust control (APM AQ-4) and a fire crew (MM HZ-2) was also onsite. Construction trash and equipment were stockpiled on the TSP 30 helipad. Stockpiled topsoil also remained within the TSP 30 staging area.

Daniel Smith (Jericho Systems) stated that no erosion repairs were being conducted at Drainage #4 along the TSP 24/25 access road and that only a hand crew was working along the access road for TSPs 12 to 21. I drove the remainder of the access road, past TSP 32, and then drove past the entrances to the access roads to TSPs 12 to 21, TSP 26, and TSP 24/25; there were no changes since my last site visit and the entrances were clean (APM AQ-7).

At 1100, I arrived at the Aliso Storage Field and checked in at the ACTR office. Pipe work was being conducted along the south end of the original CCS – see photo; this is the new blowdown line.

Since it was a Friday, there was no work at the Natural Substation; however, a small crew was working on the installation of the 12-kV plant power line poles next to the Natural Substation – see photo. Invasive, non-native black mustard was growing along the Natural Substation access road – see photo.

At the PS-42 Fill Site, trucks were delivering fill material that will be spread and compacted into the site – see photo. I noted a nesting bird buffer sign along the road adjacent to the location where the trucks were delivering soil into the PS-42 Fill Site – see photo. I asked SCG's lead monitor, Amandeep Singh (AECOM), about this buffer and he said the nest was up the slope from the sign; therefore, the soil delivery was not a concern. An avian biologist was observing the nest while the work was being conducted, and the birds' nesting activities did not seem to be altered.

A small crew was breaking up rock at the PS-42 Fill Site rock staging area. The crew was using water to minimize dust (APM AQ-4).

A pile of bird netting was stored on the well pad above the PS-42 Fill Site and was being held down by gravel bags. Several pieces of netting had come loose from the pile and had been blown against the construction fencing above the PS-42 Fill Site. I spoke with Amandeep Singh (AECOM) about ensuring the crew secured this material, since it is known to entangle lizards and snakes and would continue to do so if is carried outside the construction areas. I collected the loose pieces.

I checked the P-41 Fill Site and noted that there were very few invasive weeds growing either on or around the site.

At the new Admin/IM Building site, SCG's paleontological monitor, Olivia Tierk (SCG), was overseeing the construction team's work as they continued to excavate for the utility lines (MM CR-8) – see photo.

Work was being conducted at the CCS, including excavation for the installation of the 12-kV plant power line ductbank – see photos. I noted that the slopes above the CCS site had yellow star thistle growing on them, and slopes below the new facility had a stand of castor bean – see photo; both of these are invasive, non-native plants.

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 erosion repairs at Drainage #4 along the TSP 24/25 access road, and at TSP 7.

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

Stockpiled topsoil at TSP 7, TSP 30, and TSP 39 should be restored as soon as possible.

Weed growth is evident at numerous locations; weed removal will help the long-term restoration (MM BR-13).

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, 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
3/25/16	TSP 30		Jurisdictional drainage work at TSP 30 is nearly complete.
3/25/16	TSP 30		Rock placed downstream of the road culvert.
3/25/16	TSP 30 staging area and helipad		Construction equipment and trash remain on the helipad.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/25/16	CCS		Installation of the blowdown pipeline.
3/25/16	Natural Substation		Installation of the 12-kV plant power line towers.
3/25/16	Natural Substation access road		Vegetation growth along the access road; invasive black mustard is coming in along this area.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/25/16	PS-42 Fill Site		Soil is being delivered to the PS-42 Fill Site and is spread and compacted by equipment.
3/25/16	PS-42 Fill Site		Trucks bringing in soil to the PS-42 Fill Site; note the pink nesting bird buffer signage near the truck.
3/25/16	New Admin/IM Building		Trenching and installation of rebar continues.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/25/16	CCS		Work on the infrastructure continues.
3/25/16	CCS		Weed growth on the CCS slopes includes invasive castor bean and yellow star thistle.
3/25/16	CCS		Crews are continuing to excavate for the 12-kV plant power line ductbank.

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	March 30, 2016
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS098
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Partly cloudy, warm and breezy.
E & E CM:	Lara Rachowicz	Start/End time:	0945 to 1130 checked SCE work. 1145 to 1330 at the Aliso Storage Field.
Project NTP(s):	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 and NTP-A). 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 TSP 2, TSP 24/25, and TSP 32 sites. At the Aliso Storage Field, I checked the Oak Tree Mitigation Site, the PS-42 Fill Site, the Natural Substation, the new Admin/IM Building, and the CCS.

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

My first stop of the day was at TSP 2, where a crew was pulling out the old tower foundations – see photo. This work was not listed on the weekly activity summary. A nesting bird buffer sign was posted on the gate into the access road, but there was no sign at the other end of the buffer area. SCE's biological monitor, Jasmine Byrd (Jericho Systems), was onsite and I asked her about the nesting birds in this area. She stated that there were four pairs of nesting birds along this access road, but none near the work area (APM BR-1d, APM BR-6). Some remnant pieces of exclusion fencing remained along the access road, and there was a healthy stand of invasive black mustard growing on the road banks, as well – see photo. SCE's paleontological monitor, Olivia Tierk (SCG), was also onsite overseeing the work (MM CR-8).

I met with SCE's lead monitor, Todd White (Arcadis), to check some of the other TSP locations, starting with the TSP 24/25 area. The access road had been recently graded, with water bars and berms added to direct rainwater runoff. No work had been performed on the erosion rill under the grouted riprap. We drove to TSP 32, but did not drive the access road between TSPs 27 and 32 because Todd White stated that crews were grading the road. At TSP 26, there was a crew removing portions of the old latticework tower (APM PS-1).

I drove to the Aliso Storage Field and up to the Oak Tree Mitigation Site. Most of the oaks looked healthy with new growth – see photos. A number of cages were overgrown with grasses, while other cages looked like they had been weeded. The cage around oak #101 had been bent inward – see photo; the condition of the cage appeared to be adversely impacting the seedling tree.

At the PS-42 Fill Site, trucks continued to deliver fill material that was spread and compacted into the site – see photo. A small crew was working on breaking up rock at the PS-42 Fill Site rock staging area, and water was being used to reduce dust (APM AQ-4).

At the Natural Substation, a small crew was wiring and testing the electrical equipment. It appears that tower installation near the Natural Substation of the 12-kV plant power line poles is ongoing, but not much progress had been made since my last site visit – see photo.

At the new Admin/IM Building, trenching was continuing at several locations and foundation work had begun – see photos.

Work continued at the CCS, with large numbers of crew members working within the site – see photo. The slopes above the CCS site have invasive yellow star thistle growing on them – 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)

Check erosion repairs at Drainage #4 along the TSP 24/25 access road and at TSP 7.

Check on nesting bird buffers throughout the project.

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

Stockpiled topsoil at TSP 7, TSP 30, and TSP 39 should be restored as soon as possible.

Weed growth is evident at numerous locations (TSP 2, TSP 32, the Natural Substation access road, CCS); weed removal will help the long-term restoration (MM BR-13).

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.

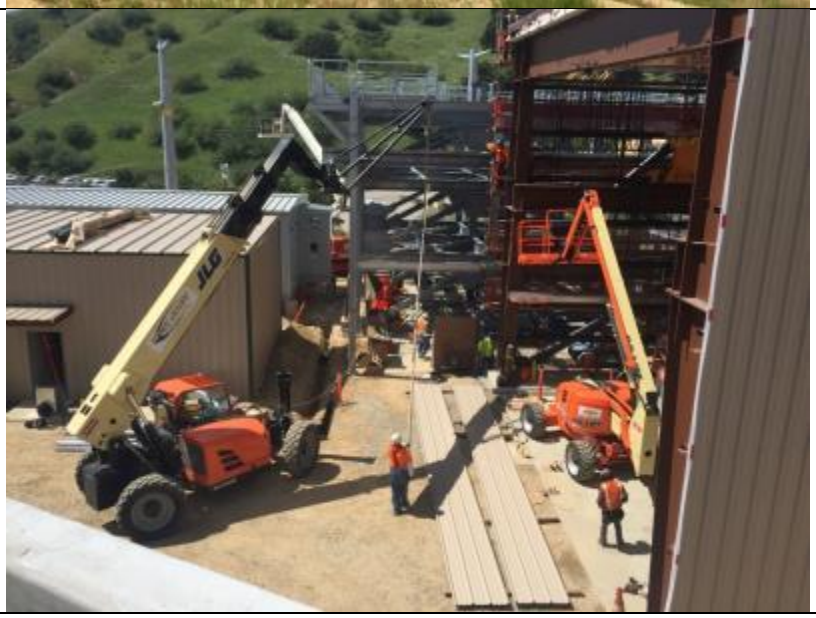
Date	Non-compliance issue and resolution	Relevant Mitigation Measure	NC Report #

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

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/30/16	TSP 2		Crews onsite removing the old tower foundation.
3/30/16	TSP 2		Invasive mustard growth along the shoulder of the access road.
3/30/16	Oak Tree Mitigation Site		Overview of the Oak Tree Mitigation Site.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/30/16	Oak cage		Looking inside an oak cage; note the grass growth.
3/30/16	Oak Cage		Looking inside an oak cage; note the lack of grasses.
3/30/16	Oak cage		The wire at cage #101 has been bent in and is sitting on the oak seedling.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/30/16	PS-42 Fill Site		Soil delivered to the PS-42 Fill Site is being spread and compacted by equipment.
3/30/16	Natural Substation		Overview.
3/30/16	Natural Substation		Tower installation continues for the 12-kV plant power line.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/30/16	New Admin/IM Building		Trenching and foundation work continues.
3/30/16	New Admin/IM Building		Trenching continues in the lower portion of the new Admin/IM Building.
3/30/16	CCS		Crews within the site.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
3/30/16	CCS		Blowdown line piping
3/30/16	CCS		Slope above the CCS has invasive mustard and yellow star thistle growing.