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November 16, 2016

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

Re: Monthly Report Summary #30 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 **September 1 to 30, 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, and as further modified in the Addendum to the Final EIR, as approved by the CPUC on December 18, 2014.

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 the San Fernando Substation to the temporary San Fernando Substation Tap.
- NTP-C (April 14, 2015): Construction and telecommunication installation associated with the MacNeil-Newhall-San Fernando and Natural-Newhall-San Fernando 66-kV subtransmission lines.
- NTP-D (June 8, 2015): Additional construction and telecommunication installation associated with the MacNeil-Newhall-San Fernando and Natural-Newhall-San Fernando 66-kV subtransmission lines, and construction of the Natural Substation.
- NTP-E (September 21, 2015): Additional construction and telecommunication installation on Telecommunications Routes 1, 2, and 3.

Onsite compliance monitoring by the Ecology and Environment, Inc. (E & E) compliance team during this reporting period focused on weekly spot-checks of ongoing construction activities. Compliance Monitor Vince Semonsen visited the Aliso construction site on September 1, 8, 14, and 22, 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 ACTR 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 regular correspondence to discuss and document compliance events, upcoming compliance-related surveys and deliverables, and the construction schedule. Regular agency calls between CPUC/E & E, SCG, and SCE, along with weekly email updates from SCG and SCE, provided additional compliance information and construction summaries. Furthermore, SCG's and SCE's monthly compliance status reports for September 2016 provided compliance summaries and included: a description of construction activities for September 1 to 30, 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 ACTR Project approvals.

Compliance Incidents

No Non-Compliance Reports were issued by the CPUC during September 2016.

Special Status Species Observations

No live or dead California newts, a California Department of Fish and Wildlife (CDFW)-designated Species of Special Concern, were observed during September 2016.

Public Concerns

There were no public concerns during September 2016.

Minor Approvals

During September 2016, no Minor Project Refinements or e-mail approvals were issued.

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

Sincerely,

Lara Rachowicz

Lara Rachowicz
Project Manager, Ecology and Environment, Inc.

cc:
Derek Rodgers, SCG
Chris May, SCE

ATTACHMENT 1

CPUC Site Inspection Reports

September 1, 8, 14, and 22, 2016

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	September 1, 2016
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS116
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Partly cloudy and mild temperatures with a slight breeze.
E & E CM:	Lara Rachowicz	Start/End time:	0800 to 1000 at SCE components 1000 to 1200 at Aliso Canyon Natural Gas Storage Field (Aliso Storage Field)
Project NTP(s):	The new Admin/IM Building (NTP-2), Central Compressor Station (CCS) (NTP-3), PS-42 Fill Site, and the Natural Substation (NTP-3 and NTP-A). Tubular Steel Poles (TSPs) 2 through 42 (NTPs A, C, and D).		

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)

TSPs 39 through 42, 12-kilovlt (kV) power plant line (PPL) sites, PS-42 Fill Site, the Natural Substation and access road, P-37 Kiewit staging area, new Admin/IM Building, and 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 met with SCE inspector Klaus Wojak in the morning at the Aliso Canyon Turbine Replacement (ACTR) Project trailers and we drove to TSPs 39 through 42. Chris May coordinated this site visit with Klaus Wojak because there were six locked gates to go through and Klaus had the keys. I had not seen this area since the final restoration had been completed.

Most of the area appeared to be in good condition, including the access roads, the road shoulders, and the TSP pads. At the end of the access road, just below TSP 39, work crews had stockpiled topsoil (Photo 1). The topsoil was restored, but this location remained devoid of vegetation and it appeared that rainwater runoff flows through this spot; some additional best management practices (BMPs) should be considered before the next rainy season. Photo 2 shows a very steep portion of the access road shoulder that is located just above the topsoil stockpile area. This area has been stabilized with erosion blankets, but straw wattle upgrades are recommended.

The TSP 39 site appeared to be in good condition; no construction material remained at the site, but a small amount of orange construction fencing was noted just west of the TSP. A steep slope next to the TSP appeared vulnerable to erosion (Photo 3) and may require BMPs prior to the rainy season. The steep portion of the access road along TSP 41 and up toward TSP 42 (Photo 4) appeared to be in good condition with well-built water bars that drained into rock energy dissipaters. The road shoulders were also well vegetated along this portion of the road, with minimal weed growth.

The TSP 42 pad had been stabilized with erosion blankets and straw wattles that appeared to be in good condition (Photo 5). The access road to TSP 42 was also in good condition (Photo 6), although I noted some construction trash along this stretch of the road. Photo 7 shows the flagging and the metal labels identifying lilies below the TSP site.

Topsoil had been restored to some of the access road shoulder in the area just before reaching TSP 42 (Photo 8). The work was done well, with the topsoil securely covered with erosion blankets. We finished checking this area and traveled back through the six gates. Klaus Wojak took me to my car.

I observed the work within the PS-42 Fill Site (Photo 9). Equipment was parked in and around the PS-42 Fill Site, but no work crews were present in the area.

I drove to the Natural Substation; however, crews were not working within the Natural Substation or at the 12-kV poles.

At the new Admin/IM Building, progress was being made (Photos 10 and 11). I noted quite a bit of tree tobacco growing within the bioswale (Photo 12); it is recommended that these plants are removed before they become larger and well-established.

There was extensive construction activity at the CCS (Photo 13); crews were also painting the blowdown piping and working on the tie-in line.

I drove past the P-37 Kiewit staging area to look at the second drain inlet (Photo 14). This drain had gravel bags placed around it, but they are unlikely enough to contain sediment.

My last stop was at the Guard House where an abundance of Russian thistle was growing on the Limekiln Creek streambank just below the guard rail (Photo 15).

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)

Weeding work at the P-32 and PS-42 Fill Sites.

Check on restoration and revegetation efforts at the TSP 43 through 45 sites.

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

Possible energy dissipater/catch basin where the oak swale drainage meets the A2 TSP access road.

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.

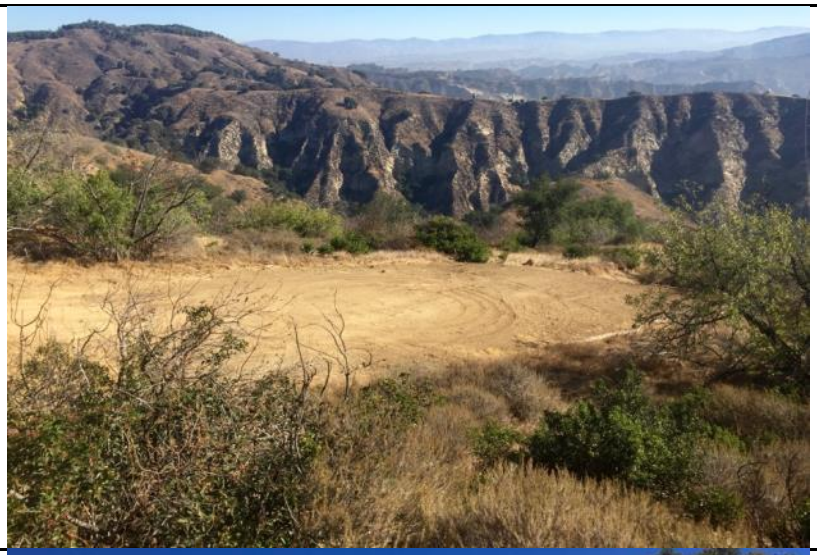
☐ Non-Compliance Level 2: (Minor Incident) Level 2 should be those actions that have the potential to cause or cause immediate, minor risk to environmental resources such as activities that result in a deviation from the mitigation measure requirements that result in minor, short-term impact to resources.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

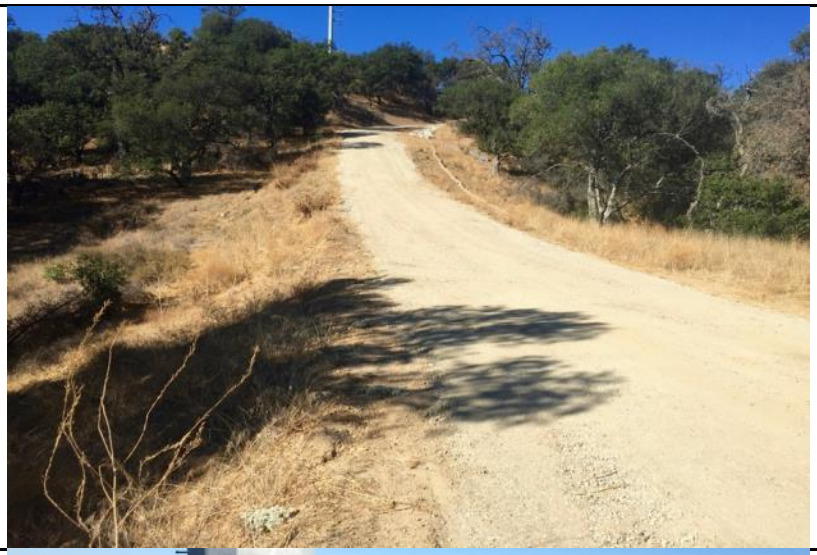
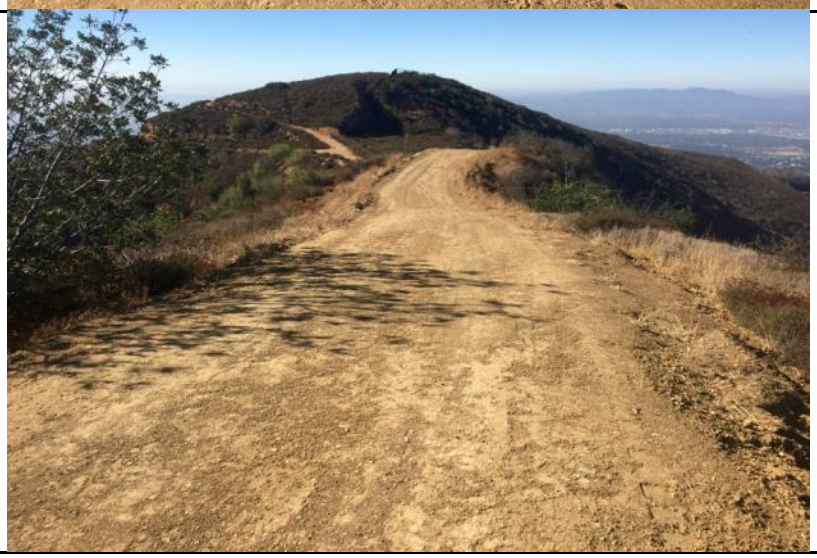
☐ Non-Compliance Level 3: (Major Incident) Level 3 are those actions that have the potential to cause or cause immediate, major risk to environmental resources such as: major environmental incident that is not in compliance with the applicant mitigation measures, mitigation measures, permit condition, 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
9/01/16	TSP 39 Access Road		Photo 1 – Topsoil stockpile area near TSP 39. Additional BMPs should be considered before the next rainy season.
9/01/16	TSP 39 Access Road		Photo 2 – Steep slope along the access road near TSP 39.
9/01/16	TSP 39		Photo 3 – Steep slope next to the pole may need some additional BMPs.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/01/16	TSPs 39 – 42 Access Road		Photo 4 – Steep section of the access road, looking up toward TSP 42.
9/01/16	TSP 42		Photo 5 – Restoration around the base of TSP 42.
9/01/16	TSP 42 Access Road		Photo 6 – TSP 42 access road.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/01/16	Lily Site Just Below TSP 42		Photo 7 – Lily locations below the TSP site are flagged.
9/01/16	Access Road Just Before TSP 42		Photo 8 – Portion of the access road where topsoil was restored to the road shoulder.
9/01/16	PS-42 Fill Site		Photo 9 – Work on the PS-42 Fill Site continues.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/01/16	New Admin/IM Building		Photo 10 – Progress is being made on the installation of the new offices.
9/01/16	New Admin/IM Building		Photo 11 – Lower building.
9/01/16	New Admin/IM Building		Photo 12 – The new Admin/IM Building bioswale has extensive amounts of tree tobacco coming in.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/01/16	CCS		Photo 13 – Some of the equipment outside of the building is being moved offsite.
9/01/16	P-37 Kiewit Staging Area		Photo 14 – A drain within the P-37 Kiewit staging area with some gravel bags around it.
9/01/16	Guard House		Photo 15 – Russian thistle is growing along the creek side of the Guard House.

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	September 8, 2016
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS117
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Clear, sunny, and warm.
E & E CM:	Lara Rachowicz	Start/End time:	1030 to 1300 at Aliso Storage Field
Project NTP(s):	The new Admin/IM Building (NTP-2), Central Compressor Station (CCS) (NTP-3), PS-42 Fill Site, and the Natural Substation (NTP-3 and NTP-A). Tubular Steel Poles (TSPs) 2 through 42 (NTPs A, C, and D).		

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)

TSPs 43 through 45, 12-kilovolt power plant line (PPL) sites, PS-42 Fill Site, the Natural Substation and access road, 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 arrived at the Aliso Canyon Natural Gas Storage Field (Aliso Storage Field) and checked in at the Aliso Canyon Turbine Replacement (ACTR) Project trailers. I noted that a weeding crew was working on the P-32 Fill Site, removing the last of the weeds (Photo 1). The crew was carefully pulling up and bagging the Russian thistle. The timing was good, since the thistle was starting to dry up and getting ready to begin its "tumbleweed" seeding cycle.

Derek Rogers (SCG) was in the trailer and we talked about the ACTR Project. I told him about the Russian thistle growing along Limekiln Creek near the guard house and he said crews had removed the trash along Limekiln Creek in the area across the bridge toward the Kiewit trailers.

I drove to TSPs 43, 44, and 45. The well pads below TSP 45 (used as a staging area) were free of all construction equipment and trash. All the TSP sites were in good condition, with no construction trash; the sites had been stabilized and restored, with well-designed McCarthy drains installed (Photos 2, 4, and 5). A small area of lily restoration had been fenced off near TSP 45 (Photo 3). The pull site below TSP 45 was also in good condition, and I noted an erosion blanket covering the sloping portion of the site (Photo 6).

At the PS-42 Fill Site (Photo 7), soil was still being delivered and then compacted. There was no soil being delivered while I was onsite, and equipment was parked on the well pad above the PS-42 Fill Site (Photo 8). All of the large pieces of equipment had drip pans strategically placed under them.

I drove to the Natural Substation where a small crew was working. Several trucks were parked at the base of the 12-kV poles (Photo 9); according to the weekly activity summary, the crew was conducting LIDAR and ground surveys.

At the CCS, large crews continued their work on the compressor station (Photo 12) and on the blowdown line (Photo 10). I met SCG's biological monitor Ray Romero (AECOM) at the CCS and we discussed the ACTR Project, specifically weeds and wildlife. Ray Romero is the only daytime SCG biological monitor as the ACTR Project winds down.

I walked to the A2 TSP; however, no work was being conducted. Some final restoration work was still needed around the A2 TSP and crane pad area (Photo 11).

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)

Weeding work at the PS-42 Fill Site.

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

Possible energy dissipater/catch basin where the oak swale drainage meets the A2 TSP access road.

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
9/08/16	P-32 Fill Site		Photo 1 – A crew is weeding the last portion of the P-32 Fill Site.
9/08/16	TSP 45		Photo 2 – Restored slope around the base of TSP 45.
9/08/16	TSP 45		Photo 3 – Lily restoration site near TSP 45.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/08/16	TSP 43		Photo 4 – Pole photo shows the Hilfiker wall.
9/08/16	TSP 43		Photo 5 – Base of TSP 43 showing the restored topsoil area and the location of the McCarthy drain.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/08/16	Pull Site Below TSP-45		Photo 6 – Restored pull site.
9/08/16	PS-42 Fill Site		Photo 7 – Work continues within the PS-42 Fill Site.
9/08/16	Well Pad Above the PS-42 Fill Site		Photo 8 – Equipment and vehicles parked on the well pad above the PS-42 Fill Site.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/08/16	12-kV TSPs		Photo 9 – LIDAR and ground survey work.
9/08/16	CCS		Photo 10 – Blowdown line work.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/08/16	A2 12-kV TSP		Photo 11 – Restored slope below the A2 12-kV TSP; needs some additional work.
9/08/16	CCS		Photo 12 – View of the CCS from the A2 12-kV TSP site.

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	September 14, 2016
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS118
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Clear and sunny with mild temperatures.
E & E CM:	Lara Rachowicz	Start/End time:	1000 to 1230 at Aliso Storage Field
Project NTP(s):	The new Admin/IM Building (NTP-2), Central Compressor Station (CCS) (NTP-3), PS-42 Fill Site, and the Natural Substation (NTP-3 and NTP-A). Tubular steel poles (TSPs) 2 through 42 (NTPs A, C, and D).		

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)

Guard House, Oak Tree Mitigation Site, PS-42 Fill Site, 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)

Near the Guard House large numbers of Russian thistle were growing on the slopes of Limekiln Creek.

I stopped at the Aliso Canyon Turbine Replacement (ACTR) Project trailers where I spoke with Jim Strader (SCG) about the ACTR Project's status. Jim Strader expressed his appreciation for the California Public Utility Commissions' (CPUC's) assistance with rotating the A2 12-kV TSP.

I drove to the Oak Tree Mitigation Site (Photo 1), and cages and shade cloth appear to be in good repair. The oak trees are doing well.

At the PS-42 Fill Site (Photo 2) a Quality Ag crew was onsite and carefully removing the Russian thistle on the site's east slope. The crew was cutting the plants at ground level and immediately bagging the vegetative material, which was then trucked offsite. I spoke with Able, the Quality Ag foreman, about the ongoing work. SCG's biological monitor Ray Romero (AECOM) arrived at the site and we spoke about the ACTR Project construction activities. Ray Romero indicated that when the Quality Ag crew finished at the PS-42 Fill Site, the crew would relocate to the A2 TSP area to conduct clean-up around the pole and crane pad. We discussed final restoration needs.

Able (Quality Ag) told me that the crew had just finished removing the tree tobacco from the new Admin/IM Building biofiltration area; later in the day, I stopped and checked this area (Photo 4). Some native trees were sprouting in the biofiltration area; I could not determine if these trees will be left or removed.

Soil was being delivered to the PS-42 Fill Site (Photo 3). Crews were also working on the PS-42 Fill Site drainage system, including replacing the plastic pipe with metal pipe and burying some of the piping.

Crews were continuing to work at the CCS (Photo 5) and on the blowdown line.

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)

Russian thistle removal from Limekiln Creek near the Guard House.

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

Possible energy dissipater/catch basin where the oak swale drainage meets the A2 TSP access road.

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
9/14/16	Oak Tree Mitigation Site		Photo 1 – Overview of the Oak Tree Mitigation Site.
9/14/16	PS-42 Fill Site		Photo 2 – Russian thistle removal is taking place on the eastern slope of the PS-42 Fill Site.
9/14/16	PS-42 Fill Site		Photo 3 – Work is ongoing within the PS-42 Fill Site. Crews placed some of the drainage system underground.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/14/16	New Admin/IM Building		Photo 4 – Biofiltration swale.
9/14/16	CCS		Photo 5 – Activity within the CCS.

Aliso Canyon Turbine Replacement Project
CPUC Site Inspection Form

Project:	Aliso Canyon Turbine Replacement	Date:	September 22, 2016
Project Proponent:	Southern California Gas Company and Southern California Edison	Report #:	VS119
Lead Agency:	California Public Utilities Commission	Monitor(s):	Vince Semonsen
CPUC PM:	Andrew Barnsdale, Energy Division	AM/PM Weather:	Overcast and cool with a slight breeze.
E & E CM:	Lara Rachowicz	Start/End time:	0800 to 1030 at Aliso Storage Field
Project NTP(s):	The new Admin/IM Building (NTP-2), Central Compressor Station (CCS) (NTP-3), PS-42 Fill Site, and the Natural Substation (NTP-3 and NTP-A). Tubular Steel Poles (TSPs) 2 through 42 (NTPs A, C, and D).		

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)

Guard House, P-37 Kiewit staging area, A2 12-kV TSP, P-41 Fill Site, PS-42 Fill Site, 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)

Upon entering the Aliso Canyon Natural Gas Storage Field (Storage Field), I noted that the Russian thistle was still growing along Limekiln Creek near the Guard House.

I drove past the P-37 Kiewit staging area on the way to the Aliso Canyon Turbine Replacement (ACTR) Project offices and took an overview photo of the site (Photo 1). At the ACTR Project office, I checked in with Derek Rogers (SCG) and we discussed the ACTR Project's status.

At the PS-42 Fill Site (Photo 2), soil continues to be delivered. The weeding crew finished their work pulling out the Russian thistle around the PS-42 Fill Site (Photo 3). Large quantities of mustard remain at the PS-42 Fill Site, making it uncertain how well the native vegetation will repopulate and grow in this area during the upcoming spring.

I stopped at the P-41 Fill Site and noted that quite a bit of Russian thistle was growing on the lower slope site (Photo 4). There was also a long line of plastic covered straw wattle at the base of the P-41 Fill Site near the "V" ditch (Photo 5). The straw is breaking down within the wattles leaving the plastic netting exposed and able to trap animals (Photo 6). Since the P-41 Fill Site slopes appeared to be stable, this wattle may not need to be replaced, but the plastic covering should be removed.

I walked by the upper sedimentation basin/newt pond in Limekiln Creek located just west of the CCS. The creek was dry, and I noted several lines of the old plastic covered straw wattle near the creek and some very deteriorated wattle along the edge of the creek bank (Photo 7). This plastic wattle material should be removed as soon as possible, since it is within the riparian corridor.

The west slope of the CCS was supporting a stand of Russian thistle, and the silt fencing was shredded by the elements (Photo 8). Within the CCS, the biofiltration pond has been dug and shaped (Photo 9). A trench within the CCS remained open and covered by steel plates, with a sloped exit ramp (Photo 10). Photo 11 shows some of the ongoing construction activities within the CCS. There are numerous locations in and around the CCS where old plastic covered straw wattles are still in place (Photos 12 and 13); these need to be removed and/or replaced.

I walked around the new Admin/IM Building (Photo 14) and past the backfilling work on the blowdown line (Photo 15).

My last stop was at the A2 12-kV TSP area where some final clean-up had been completed by Quality Ag crews. Final restoration and stabilization has not been completed. Photo 16 shows an oak sapling that could likely benefit from selective trimming.

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)

Russian thistle removal from Limekiln Creek near the Guard House.

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

Possible energy dissipater/catch basin where the oak swale drainage meets the A2 12-kV TSP access road.

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:

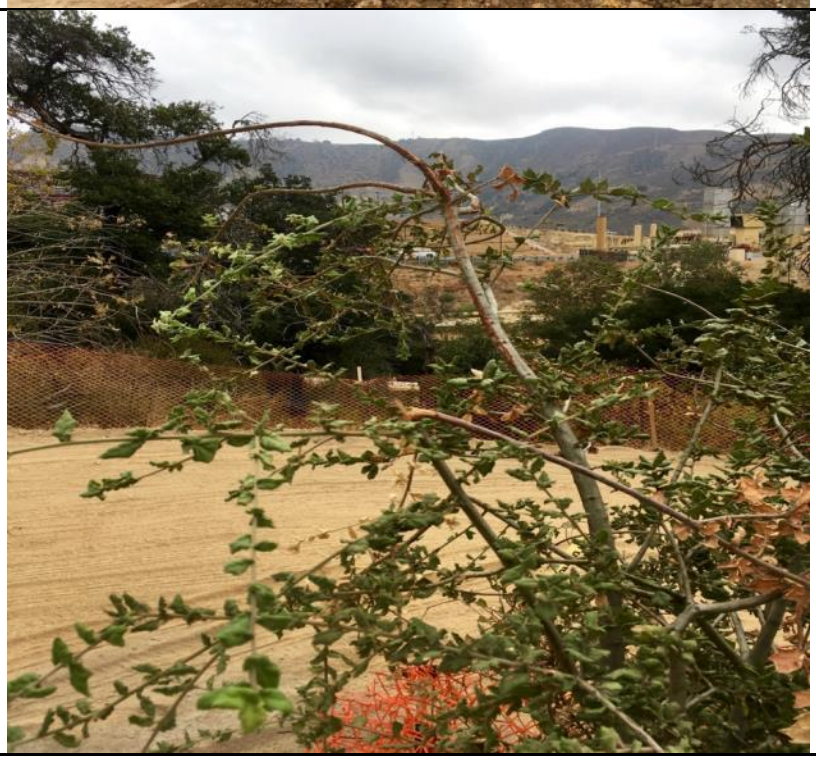
REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/22/16	P-37 Kiewit Staging Area		Photo 1 – Overview of the P-37 Kiewit staging area.
9/22/16	PS-42 Fill Site		Photo 2 – Work continues on the PS-42 Fill Site.
9/22/16	PS-42 Fill Site		Photo 3 – Weeding work has been completed within the cleared edges of the PS-42 Fill Site.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/22/16	P-41 Fill Site		Photo 4 – Russian thistle on the slopes of the P-41 Fill Site.
9/22/16	P-41 Fill Site		Photo 5 – Plastic covered straw wattles along the "V" ditch at the base of the P-41 Fill Site.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/22/16	P-41 Fill Site		Photo 6 – Straw within the old wattles is breaking down and opening up the plastic netting allowing access to animals attempting to crawl in or through it.
9/22/16	Upper Sedimentation Basin/Newt Pond in Limekiln Creek		Photo 7 – Some degraded, plastic covered, straw wattle was noted along the edge of the upper sedimentation basin/newt pond. No animals were observed as being trapped in the plastic.
9/22/16	CCS		Photo 8 – The west facing slope of the CCS has large quantities of Russian thistle, and the silt fencing BMPs are in need of repair or removal.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/22/16	CCS		Photo 9 – The biofiltration basin has been excavated.
9/22/16	CCS		Photo 10 – Trench within the CCS is covered with steel plates and has an exit ramp at the south end.
9/22/16	CCS		Photo 11 – General construction activities.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/22/16	CCS		Photo 12 – Old straw wattle.
9/22/16	CCS		Photo 13 – Old straw wattle.
9/22/16	New Admin/IM Building		Photo 14 – Overview of the lower new Admin/IM Building.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	Location	Photo	Description
9/22/16	CCS		Photo 15 – Backfilling the blowdown line.
9/22/16	A2 12-kV TSP Site		Photo 16 – Sapling oak tree next to the access road and crane pad that could likely benefit from trimming.