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**PROJECT MEMORANDUM
SCE TRANSMISSION PROJECTS, SEGMENTS 1 - 11**

To: John Boccio, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: December 13, 2011
Subject: Weekly Reports 199 and 200, November 13 to November 26, 2011

INTRODUCTION

This report provides a summary of the construction and compliance activities associated with the following SCE transmission projects:

1. Antelope-Pardee 500 kV Transmission Project, Segment 1, including Antelope Substation expansion;
2. Antelope Transmission Project, Segments 2, 3A and 3B, including the Windhub and Highwind Substations; and
3. Tehachapi Renewable Transmission Project, Segments 4 through 11, including Whirlwind Substation and the expansion of Vincent Substation.

A summary of the Notices to Proceed with construction and Variance Request activity are also provided (see Tables 1 and 2, respectively, near the end of this report). Finally, a summary of Temporary Extra Workspace and non-compliance activity are provided in Tables 3 and 4, respectively.

CPUC/Aspen Environmental Monitors (EM): Jenny Slaughter, Stephanie Jayne, and Allison Roth

SEGMENTS 1-3: ANTELOPE-PARDEE AND ANTELOPE TRANSMISSION PROJECTS

Summary of Activity:

1. Mowing activity and weed abatement have been completed at the Highwind Material Yard near Tehachapi. The yard contains material for Segment 3B.
2. Construction of Segments 1, 2, and 3A have been completed. Construction of Segment 3B, from Windhub Substation to and including Highwind Substation, is scheduled to begin December 19th. Focused surveys for desert tortoise and Mohave ground squirrel were conducted in the spring, and the survey results were approved on August 30 and September 16, respectively.
3. Construction activities at the Antelope Substation included placement of tertiary reactor foundations for the 1AA and 2AA banks, installation of 500 kV shunt capacitor bank foundations, installation of tubular steel pole (TSP) foundations and cages, and installation of chain link fencing for the perimeter wall is currently 75% complete.
4. No materials were stored in the laydown yard at the Antelope Substation during this reporting period. The spoil pile in front of the Antelope construction trailers is covered with gravel and jute netting for potential future use. An SCE office trailer for TRTP 4-11 has been installed adjacent to the spoil pile area.
5. Construction activities at the Windhub Substation included 500 kV switchrack and steel, 220 kV bus extension and testing, station light and power and testing, and work on the 3AA and 4AA banks. Lighting and security is being installed inside the substation.
6. Restoration on Segment 1 has been recently completed and is still being maintained. The Segment 1 Annual Report for Year 1 was submitted on December 2. Quarterly Report #3 for the activity was submitted September 16th.



7. Revegetation for Segments 2 and 3A started in mid-February and was completed in April. Ongoing maintenance activities will be documented in Quarterly Reports to the CPUC.

Environmental Compliance:

1. The CPUC EM verified disturbance staking and Environmentally Sensitive Area (ESA) flagging for the Wilderness Line work along Oak Creek Road associated with Segment 3B.
2. SCE has developed a solution for the channel incision that occurred immediately downstream of the riprapped stream channel at the Windhub Substation site for which an Addendum was approved by the CPUC. California Department of Fish and Game (CDFG) concurred that an amendment to the Streambed Alteration Agreement for this effort is not required. SCE is coordinating with the Regional Water Quality Control Board.

No Project Memoranda were issued for Segment 1-3 construction activities during the subject period. Non-Compliance activities for the project to date are summarized in Table 4.

AGENCY REPRESENTATIVES DURING CONSTRUCTION (OTHER THAN CPUC EMS):

None

TEHACHAPI RENEWABLE TRANSMISSION PROJECT (TRTP) SEGMENTS 4-11

The SCE Tehachapi Renewable Transmission Project was evaluated in accordance with the California Environmental Quality Act and a Certification of Public Convenience and Necessity (CPCN) was granted by the CPUC on December 17, 2009.

SEGMENTS 4, 5, AND 10 - ANTELOPE VALLEY

Summary of Activity

1. Inside the Vincent Substation, grading and below-grade civil construction is 99% complete. 500 kV above-grade construction and electrical work is 90% complete. In the Vincent Expansion area, foundation work was conducted. Landscaping around the substation has not commenced. The new control building is scheduled to break ground in January 2012. KGC remains onsite to maintain the SWPPP, BMP's, trash, road sweeping, and dust control.
2. Segment 4: KV Structures (drilling contractor) completed drilling, setting rebar cages using a spider jig for stub angle placement, and concrete pouring on the Midway-Vincent upgrade towers. H&M steel crews continued tower assembly and erection of the Midway-Vincent upgrade Towers M83-T3X, M87-T2X, and M87-T3X. Path 26: Midway to Vincent wire work was completed and energized. The H&M underground fiber optic crew worked near existing Tower 55 near the Antelope Substation. Fiber boxes were installed at various locations throughout the segment.
3. Segment 5: Woodward Brothers (drilling contractor) continued drilling, setting rebar cages, and concrete pouring at Towers 47, 48, and 88A. H&M steel crews continued tower assembly and erection of the Midway-Vincent upgrade Towers M90-T1X, M91-T2X, and M92-T1X. H&H Grading conducted BMP (i.e. fiber roll) maintenance throughout the segment. Cattracs continued grading Tower 68 and hauling the rock and soil to an approved wire set-up site along Rockyford Road (see Figure 1). The rock is being hauled to an approved off-site landfill in Lancaster (see Figure 2). The H&M underground fiber optic crew completed work between Towers 6 and 7, and Towers 21 and 22.
4. Segment 10: KV Structures (drilling contractor) completed drilling, setting rebar cages using a spider jig for stub angle placement, and concrete pouring with the exception of Tower 25. H&M steel crews continued tower assembly and erection at Towers 1, 3, 6, 7, 21, 28, and 29. Wire stringing continued between Towers 83 and 44. A Moore Fence crew remains onsite for maintenance, clean-up, and tortoise fence installation of recently approved guard pole sites and turning radii. H&H Grading conducted BMP maintenance throughout the segment.

5. Segment 10 Telecom: Work has been completed on this Segment.
6. Whirlwind Substation: Ongoing work included capacitor racks, conductors and steel for the 1AA bank, removal of perimeter fencing, and installation of 220 kV disconnect structures and grounding in Position #2. Watering for fugitive dust continued.

Environmental Compliance:

1. The CPUC EM attended a Cattracts (grading contractor for Segment 5) tailboard at which time several environmental issues were discussed, which included fire safety, secondary containment, and proper refueling.
2. The CPUC EM verified disturbance staking at locations on Segments 5 and 10 that were approved under Variances #105, 106, and 108 and NTP #27 MOD.
3. SCE submitted notification to CDFG of change of project impact in regards to the access road shift associated with Tower 25 on Segment 10.
4. On November 15th, an unanticipated discovery was made on Segment 5. No impacts occurred to the resource and ESA signs were installed.
5. On November 18th, a hydraulic fluid spill occurred near Tower 68 on Segment 5. The impacted soil and rock was contained and stored onsite until it can be properly disposed.
6. The CPUC EM observed erosion near Tower 50 on Segment 5. The fiber rolls were undercut and sediment was observed off-site (see Figure 3). The CH2MHill Environmental Monitor was notified of the observation.
7. The CPUC received a memorandum from SCE on April 11th in regards to topsoil salvage from temporary disturbance sites for restoration and visual requirements for Segments 4, 5 and 10. So far, there has been no salvaging of topsoil in project areas. In response to the memorandum, CPUC has requested that SCE document their topsoil salvaging plans by Project segment. In addition, in response to a May 26th site visit on Segments 7 & 8 regarding top soil salvaging, the HMMP for Segments 4, 5 & 10 will be revised to reflect the top soil salvaging protocols discussed during the site visit. The revised Segment 7 & 8 HMMP was submitted on November 23rd.
8. Special-status species observed during the subject period by Biological Monitors included loggerhead shrike, prairie falcon, and northern harrier.
9. No new nests were discovered during the subject period.

No CPUC Project Memoranda or NCR's were issued for Segments 4, 5, and 10 during this reporting period. Non-Compliance activities for the project to date are summarized in Table 4.

Agency Representatives during Construction (other than CPUC EMs):

None

SEGMENTS 6 AND 11 - ANGELES NATIONAL FOREST

Summary of Activity

1. The Final EIS was released by the Angeles National Forest (ANF) on September 14, 2010. The ANF Record of Decision was issued on October 4, 2010, and the Special Use Permit is anticipated for release in early October 2011. Subsequently, construction is expected to begin in mid-December 2011.
2. Vincent North and South Material Yards: During the subject period, material delivery occurred.
3. Segment 6A Telecom Shoofly work is completed.
4. Construction activity on Segment 11A is now complete with the exception of jumpers at M11-T1 and M10-T5 which are awaiting material.

5. San Gabriel Yard: Demobilization and cleanup of the yard are now complete, and SWPPP stabilization is underway.
6. Weed abatement activities have been completed on Segments 6 and 11 for the season. Approximately 35 acres of weed abatement has occurred to date.

Environmental Compliance

1. A new wash station was setup in the Vincent North Material Yard that maintains compliance with the ANF Weed Plan (see Figure 4).
2. Watering for dust control occurred at the Vincent North and South Material Yards.
3. SCE received the Segment 6A Streambed Alteration Agreement from CDFG on November 8th.
4. Loggerhead shrike was observed on Segment 6-Telecom Shoofly during the subject period by the Biological Monitors.

No CPUC Project Memoranda or NCR's were issued for Segments 6 and 11 during this reporting period. Non-Compliance activities for the project date are summarized in Table 4.

Agency Representatives during Construction (other than CPUC EMs):

None

SEGMENTS 7 AND 8 - LOS ANGELES AND SAN BERNARDINO COUNTIES

Summary of Activity

1. Segment 7 Telecom: SCE and PAR crews continued work on the Dusty underground line along Arrow Highway. Crews continued hanging telecom wire on existing 66 kV lightweight steel poles (LWSP).
2. Segment 8 Telecom: Henkels and McCoy crews began the Rose Hills telecom work. Crews continued framing poles and hanging arms on existing distribution line poles. Additionally, the foreman staked wire setup site disturbance areas.
3. Segments 7 & 8, 66 kV: During the subject period, Wilson crews finished work on foundations on the Walnut-Hilgen-Mesa-Industry-Reno line within Whittier Narrows (see Figure 5). 66 kV foundations are now 100% complete. Henkels and McCoy continued work on the overhead portions of the Rio Hondo-Amador-Jose Mesa and Walnut-Hilgen-Mesa-Industry-Reno lines. Work included foundation drilling, as well as pole setting and transformer relocation. . PAR crews continued digging vaults and distribution and telecom trench lines within Ayala Park and across Edison Avenue (into Chino Substation) in the City of Chino as part of the 66 kV underground/Chino Substation relocation. Additionally, SCE crews framed poles within Chino Substation and replaced insulators within Montebello Hills.
4. Segment 7: Wilson crews mowed and installed BMPs at tower sites and wire setup sites to keep environmental surveys active. Wilson continued assembly of four towers within USACE land and at M38-T2 within a storage facility in the City of El Monte. Additionally, crews continued removal of the de-energized 66 kV lattice steel towers on the Rio Hondo-Amador-Jose-Mesa line (see Figure 6). The 66 kV structure removal is now 90% complete. DCX sheared the dismantled 66 kV towers. Tri-State continued with foundation construction at Triple B Shooting Range in El Monte and within Whittier Narrows. To date, 100% of the conductor of the existing 220 kV Antelope-Mesa line has been removed and 100% of the structures have been removed. Of the 78 new double circuit 500 kV structures on the Mira Loma-Vincent line, a total of 40% of the foundations are complete and the structure assembly is 25% complete.
5. Segment 8, Phase 1: Wilson crews mowed vegetation and installed BMPs at tower sites and wire setup sites to keep environmental surveys active. No assembly or erection work occurred during the subject period (see Environmental Compliance #1 below). Wilson crews installed a light on Tower

M57-T3 within Tonner Canyon. Tri-State and DCX continued drilling at three tower locations within Tonner Canyon. To date, 100% of the conductor and structures have been removed of the existing 220 kV Chino-Mesa and Mira Loma–Walnut and Mira Loma–Olinda lines. Of a total 43 new structures on the double circuit 500 kV Mira Loma–Vincent line, a total 95% of the foundations are complete (including 100% of the tubular steel pole foundations in the City of Chino Hills) and 84% of the towers are complete.

6. Segment 8, Phase 2: Wilson crews mowed and installed BMPs at tower sites and wire setup sites to keep environmental surveys active. Both 220 kV circuits (Chino–Mira Loma #1 and #2) were energized in June 2011.
7. Segment 8, Phase 3: Wilson crews removed conductor and wrecked out towers from M71-T5 to M72-T3 in the City of Ontario.
8. Segment 8, Phase 4: Wilson and DCX crews mowed and installed BMPs at tower sites and wire setup sites to keep environmental surveys active and to activate sites (see Figure 7). Wilson began assembly at Tower M11-T1A and began to set Emergency Steel Pole (ESP) bases at the San Gabriel Junction. DCX continued drilling at three tower locations. Additionally, DCX crews sheared towers and removed footers and cleared vegetation at tower sites. Tri-State continued drilling one foundation at the Interstate 605 Shoofly. To date, 100% of the conductor and 95% of the structures on the existing 220 kV Chino-Mesa line have been removed. In total, foundations are 30% complete, one structure on the new double circuit 500 kV Mira Loma–Vincent line has been erected, and three structures on the 220 kV Chino-Mesa line have been erected.

Environmental Compliance:

1. A project-wide stop work order was issued on October 19th for work subject to FAA mitigation. SCE was ordered to not perform any new or additional tower construction and conductor stringing in areas that have a high probability of being subject to FAA mitigations. More specifically, conductor stringing in the City of Chino Hills within 1000 feet of any residents should not be undertaken.
2. Wilson crews conducted topsoil salvage at M56-T3 in Tonner Canyon on November 15th.
3. There was a hydraulic oil spill of greater than 16 oz. at Tower M38-T2 on November 15th. The spill came from a crane and did not impact any waterways or vegetation. The spill was cleaned immediately and the SCE EIH was informed.
4. SCE requested concurrence from CDFG on November 17th to alter disturbance areas sizes for 66 kV work along Siphon Road in the Whittier Narrows. CDFG responded that as long as SCE does not exceed the original total amount permitted in the Incidental Take Permit (ITP), they will be within compliance of the ITP conditions.
5. During the subject period, Tri-State, the drilling subcontractor, used an unapproved polymer to reinforce a foundation they were drilling at M38-T4 on Segment 7. In response to the incident, Wilson and their subcontractors held extended tailboards on November 21st to discuss environmental compliance and mitigation measures.
6. The CPUC EM observed concrete trucks driving outside the limits of the access road to M56-T1 in Tonner Canyon (see Figure 8). The entrance to the access road was too narrow for the concrete trucks to be able to navigate the turn. The CPUC EM spoke with the site manager, who indicated that a variance request to widen the road was going to be submitted to SCE.
7. The CPUC EM inspected sites on November 22nd that had been secured for the Thanksgiving holiday. The CPUC EM observed soil piles that had been left uncovered and plastic coverings that had holes covering concrete washouts (see Figure 9). SCE was notified of the CPUC EM's observations.

8. The CPUC EM approved a TEWS for the use of an existing paved access road within Segment 8 Phase 3 on November 22nd.
9. The CPUC EMs had a conference call with SCE on November 2nd to discuss site activation maps and the Biological Opinion tracker (BOT) spreadsheet that SCE keeps for coastal California gnatcatcher disturbance acreage impacts. The CPUC EM asked SCE after the call why the area west of Greenwood Avenue and behind Mesa substation on Segment 7 was not included on the field maps or the BOT. There were CAGN nests there in 2010 and 2011. SCE has not yet provided a response.
10. Coastal California gnatcatcher, loggerhead shrike, burrowing owl, a northern harrier and a peregrine falcon were observed during the subject period by Biological Monitors.

No CPUC Non-Compliance Reports were issued during the subject period for Segments 7 and 8. Non-Compliance activities for the project to date are summarized in Table 4.

Agency Representatives during Construction (other than CPUC EMs):

None

CPUC NOTICES TO PROCEED (NTPS) & ANF PERMITTING

Table 1 summarizes the CPUC Notice to Proceed and ANF permitting activity for the Antelope Transmission Projects, Segments 1-3, and TRTP, Segments 4-11, to date.

TABLE 1
CPUC NTPS & ANF PERMITTING
(Updated 12/13/11)

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
CPUC NTPs, Segments 1-3				
<i>For CPUC NTP and Addendum activity on Segments 1-3 prior to 2010, please see Table 1 in Weekly Reports 106-107.</i>				
#26	12/18/09	01/05/10	1	Expansion of Antelope Substation.
CPUC Addendum	12/21/09	01/19/10	1	Permanent AR 19 and access road to Const 34A.
CPUC Addendum	12/21/09	01/19/10	1	Permanent refueling basin at Hydrant Yard.
#27	12/23/09	01/05/10	3B	Oak Peak Communication Site
CPUC Addendum	01/25/10	02/01/10	2	Reclassification of two temporary roads to permanent and relocation of transposition poles.
Revised CPUC Addendum	02/10/10	02/19/10	2	Relocate two previously approved transposition towers from Const 110 to Const 105.
#28	02/10/10	02/18/10	3B	Highwind Marshalling Yard
#29	02/10/10	03/02/10	1	Relocation of the Sagebrush Transmission Line at the Antelope Substation expansion area.
CPUC Addendum	03/17/10	03/26/10	3A	Vertical mulching, capping of a portion of the existing roadway, and making this overland route a permanent access for SCE operations and maintenance to Const 43.
CPUC Addendum	04/06/10	04/27/10	3B	Elimination of transposition towers in Segment 3B.
CPUC Addendum	04/16/10	04/22/10	1	Installation of fiber optics surrounding the Antelope Expansion.

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
CPUC Addendum	05/25/10	06/04/10	1	Permanent overland travel routes for Operation and Maintenance inspections.
CPUC Addendum	05/25/10	06/04/10	2	Permanent overland travel routes for Operation and Maintenance inspections.
CPUC Addendum	11/23/10	12/14/10	Windhub Substation	Place additional riprap at the channel outlet at Windhub Substation, to mitigate for downstream erosion resulting from 2009/2010 rains.
CPUC NTPs Segments 4-11				
#1	01/13/10	02/11/10	4, 5, 10	Yard 28
#2	01/28/10	03/10/10	9	Vincent Substation Expansion
#3	03/09/10	04/01/10	7,8	Rancho Vista Yard
CPUC Addendum	04/09/10	04/19/10	9	Changes to Substation components.
#4	01/27/10	04/26/10	7, 8	Segment 7 and 8 Cell Sites
#5	01/27/10	04/30/10	7	Segment 7 Telecom
#6	03/29/10	05/12/10	7,8	Mesa Materials Storage Yard
#7	05/12/10	05/28/10	8	Segment 8 telecommunications.
#7 Mod	08/20/10	08/20/10	8	Minor re-routes to Segment 8 Telecom
#8	04/27/10	06/04/10	8	Segment 8 Contractor Yards
#9	07/21/10	07/29/10	7	Segment 7 Contractor Yards
#10	04/08/10	08/03/10	7, 8	66 kV re-route and relocation
#10 Mod	01/28/11	02/04/11	7/8 66 kV	Replace 14 existing wooden H-frames poles with steel H-frame poles in order to support the double 66 kV circuit.
#10 Mod	12/03/10	Retracted by SCE	7/8 66 kV	Change the design of the 66 kV line entry into the Chino Substation from underground to overhead. Visual simulation pending.
#10 Mod	03/15/11	03/22/11	7/8 66 kV	Removal and replacement of 21 wood poles with lightweight steel poles within Rio Hondo Substation.
#10 Mod	04/22/11	04/29/11	7/8 66 kV	Underground telecom.
#10 Mod	04/22/11	05/03/11	7/8 66 kV	Chino pole removals.
#10 Mod	05/23/11	06/02/11	7/8 66 kV	Realignment of approximately 500 feet of 66 kV underground transmission line.
#10 Mod	07/20/11	07/25/11	7/8 66 kV	Dusty underground connection.
#10 Mod	08/26/11	09/01/11	7/8 66 kV	New Fiber Optic Underground trench
#10 Mod	08/29/11	09/08/11	66 kV	Insulator replacement in Montebello Hills
#10 Mod	09/28/11 additional information submitted 10/11/11	10/21/11	66 kV	Additional work areas and poles.
#10 Mod	10/31/11	11/04/11	7, 8 66 kV	Additional underground trenching near Edison Avenue.
#10 Mod	11/02/11	11/09/11	66 kV	Pole removal along Siphon Road.
#11	05/08/10	08/12/10	8	Segment 8 Transmission Line, Chino Hills, Phase I

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
#11 Mod	09/07/11	09/12/11	8	Increased grading limits for access road to towers M57-T1 and M24-T1A
#12	07/28/10	08/20/10	4, 5, 10	Segment 4, 5, 10 Contractor Yards
#13	07/19/10	08/24/10	8	Segment 8 Transmission Line, Phase 2 and 3
#14	08/25/10	09/03/10	4	Partial Transmission Line work associated with an LADWP outage
#15	08/13/10	09/10/10	5	Segment 5 Transmission Line
#15 Mod	03/08/11	03/14/11	5	Modification of FOC alignment
#15 Mod	06/16/11	06/21/11	5	Additional disturbance areas for grading limits in 5 locations.
#15 Mod	06/16/11	06/24/11	5	Temporary additional workspace near Tower 20.
#15 Mod	10/18/11	10/25/11	5	Relocate CT 68 and associated extra work space.
#16	08/30/10	09/13/10	4	Segment 4 Transmission Line
#17	08/10/10	09/24/10	7	Segment 7 Transmission Line
#17 Mod	01/13/11	02/25/11	7	Segment 7 66 kV wreck-outs.
#17 Mod	07/06/11	07/19/11	7	Access road additions, modifications, grading limit modifications, and OPGW splice sites.
#17 Mod	07/15/11	07/19/11	7	Removal of existing overhead ground wire and skywrap and replacement with fiber optical ground wire.
#18	10/13/10	10/15/10	7	Potrero Grande Contractor Yard
#19	10/29/10	11/12/10	4, 5, 10	Avenue F Contractor Yard
#20	10/08/10	11/30/10	10	Segment 10 Telecom
#20 Mod	04/19/11	05/06/11	10 Telecom	Changes to telecom route. ITP/BO acreage confirmation pending.
#20 Mod	06/17/11	06/24/11	10 Telecom	Additional trenching and vault placement along Oak Creek Road.
#21	11/18/10	12/09/10	6 & 11	Vincent North Material Yard.
#21 Mod	06/10/11	06/24/11	Vincent North MY	Telephone and IT installation at Vincent North Material Yard.
#22	11/18/10	12/09/10	6 & 11	Vincent South Material Yard.
CPUC Addendum	11/22/10	12/14/10	Vincent Substation	Section of road widening and riprap extension for the Vincent Substation expansion.
#23	12/22/10	01/11/11	6 & 11	Material Yard 75
#24	11/10/10	01/13/11	8	Segment 8 West, Phase 4 Transmission Line.
#24 Mod	06/15/11	06/20/11	8	Access road to M3-T3A and M48-T1, Segment 8 Phase 4.
#24 Mod	11/14/11	11/17/11	8	Lower 66 kV line at I-605 shoofly.
#24 Mod	11/30/11	To CPUC	8	Shift in M52-T2 structure location and associated extra work space and access roads.
#25	11/19/10	01/13/11	8	Fullerton (1) and Tonner Canyon (2) Contractor Yards. USFWS/CDFG survey requirements for Tonner Canyon required. Only Fullerton CY approved under NTP #25.
#26	06/22/10	01/14/11	9	Whirlwind Substation.
#27	01/03/11	03/08/11	10	Segment 10 Transmission Line.
#27 Mod	10/13/11	10/21/11	10	Relocation of Tower 39, in line shift.

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
#27 Mod	11/01/11	11/10/11	10	Additional guard pole and turning radii locations.
#27 Mod	11/14/11	11/21/11	10	Modify road near CT 25.
CPUC Addendum	03/01/11	03/17/11	9	Bridge construction to access Whirlwind Substation.
#28	04/22/11	05/06/11	6, 11	Construction Yard 58.
#29	05/06/11	05/13/11	6, 11	San Gabriel Yard.
#30	05/16/11	06/07/11	4, 5	Modifications to the Midway Vincent #3 T/L.
#31	06/24/11	06/30/11	11A	Segment 11A Transmission Line Goodrich to Mesa (off ANF)
#32	09/12/11 09/14/11. 10/13/11	11/09/11	6A	Towers 1-35 both private and ANF Lands
ANF PERMTTING – Segment 1, 6 & 11				
	11/29/07	12/14/07	1	Radio Repeater – installation of a temporary radio repeater site on Sierra Pelona Ridge to provide communication during construction activities tied to the project. Improvement installation began Jan. 11
	09/27/07	12/14/07	1	Geotechnical testing – 23 geotechnical borings are authorized on National Forest lands to provide additional information that will be used in the design of the transmission towers. Notice to proceed was signed Jan 31 to begin work the week of Feb. 3
		07/14/08	1	Removal of the 66 kV conductor within the ANF, from tower 7-3 (near southern Forest boundary) to 16-3 (near Bouquet Reservoir) Phase I.
		09/23/08	1	Removal of the 66 kV conductor within the ANF, Phase II
		10/23/08	1	Construction of the 500 kV transmission line and wreck-out of the 66 kV towers in the ANF, Section 2.
NTP for Constr.		11/08/11	6	Construction of Segment 6 towers.

VARIANCE & TEMPORARY EXTRA WORKSPACE REQUESTS

Variance Requests and Temporary Extra Workspace (TEWS) Requests submitted to date are summarized in Tables 2 and 3, respectively.

TABLE 2
VARIANCE REQUESTS
 (Updated 12/13/11)

Variance Request	Date Requested	Date Issued	Segment #	Description
Variance Requests, Segments 1-3				
<i>For Variance Request activity on Segments 1-3 prior to 2010, please see Table 2 in Weekly Reports 106-107.</i>				
VR #66	01/11/10	01/19/10	1	Modify the requirements of Mitigation Measure B-1a (Provide Restoration/Compensation for Impacts to Native Vegetation Communities) to fulfill a request from the property owner.
VR #67	01/15/10	01/19/10	3A	Modify requirements of Mitigation Measure B-27b and APMs BIO-2 and BIO-7 to preserve cut Joshua trees onsite instead of off-site disposal to the extent possible for habitat creation purposes.
VR #68	04/09/10	04/12/10	1	Release restoration requirements on road to wreck-out tower 20-4 in Section 3.
VR #69	05/04/10	05/07/10	1	Contractor Yards surrounding Antelope Substation.
VR #69 MOD	07/29/10	08/02/10	1	Additional space for storage at Antelope Substation for material being delivered for Antelope, Vincent and Whirlwind substations.
VR #70	06/02/10	06/04/10	1	Additional disturbance areas adjacent to the pole erections for the 220 kV Sagebrush relocation work around the Antelope Substation.
VR #71	06/22/10	06/23/10	1	Change in construction work hours for work on the Sagebrush 220 kV transmission line.
VR #71 MOD #1	06/24/10	06/25/10	1	Expansion of construction hours for Sagebrush 220 kV T/L and foundation installation work at Antelope Substation.
VR #71 MOD #2	07/08/10	07/09/10	1	Further expansion of construction hours for Antelope Substation construction.
VR #71 MOD #3	11/18/10	11/19/10	1	Further expansion of construction hours for Antelope Substation construction.
Variance Requests, Segments 4-11				
VR #1	03/25/10	03/26/10	9-Vincent	Expand grading area of Vincent substation by 15 feet for temporary turnaround areas for equipment.
VR #2	05/25/10	05/27/10	7	Relocation of helicopter landing zone for Segment 7 telecommunications work.
VR #3	06/08/10	06/10/10	7	Clarification of Segment 7 Telecom construction operating hours and to work the weekend dates of June 12, 13, 19, and 20, within the City of Irwindale
VR #4	08/11/10	08/13/10	9-Vincent	Utilize a fire hydrant along an unpaved spur road and also place two 10,000-gallon elevated water storage tanks adjacent to the hydrant.
VR #5	08/20/10	08/20/10	7	Night work for Segment 7 Telecom

Variance Request	Date Requested	Date Issued	Segment #	Description
VR #6	08/26/10	08/26/10	8	Work on weekends for Segment 8 Telecom.
VR #7	09/10/10	09/16/10	8	New wire setup and pull sites for Segment 8 Phase 1
VR#8	09/16/10	09/16/10	8	Clarification of construction hours for Segment 8 Phase 1
VR #9	09/14/10	09/20/10	Yard 28 & Rancho Vista Yard	Hotwork (welding and cutting) at Yard 28 and Rancho Vista Yard.
Verbal	10/08/10	10/08/10	8, Phases 2 & 3	Wire sites for construction on Sunday, October 10.
VR #10	10/08/10	10/13/10	8	Additional Phase 2 & 3 wire sites.
VR #11	10/01/10	10/15/10	8	Relief from focused biological survey requirements because of restricted property access, Phase I.
VR #12	10/06/10	10/15/10	8	Additional Phase I wire sites.
VR #13	11/09/10	11/17/10	5	Additional wire stringing sites.
VR #14	11/17/10	11/19/10	8	Additional Shoofly pole in Tonner Canyon, Segment 8, Phase 1
VR #15	11/18/10	11/19/10	5	Additional guard poles between Highway 14 and Sierra Highway.
VR #16	11/12/10	11/19/10	5	Realign an existing access road at the southeastern corner of the Vincent Substation 500 kV expansion area to allow for the construction of the Segment 5 T/L.
VR #17	Revised 11/17/10	11/22/10	8	Additional 66 kV material storage near Rio Hondo and Chino Substations
VR #18	11/24/10	12/01/10	5	Continue use of two existing access roads that are approved under a TEWS
VR #19	Revised 11/23/10	12/01/10	5	Additional wire stringing sites.
VR #20	11/30/10	12/02/10	8	Revised alignment of an access road for safer access to tower sites.
VR #21	12/03/10	12/03/10	7/8	Remove fabric on chain-link fence surrounding Mesa MY because of graffiti
VR#22	11/22/10	12/07/10	7	Additional wire stringing sites.
VR #23	12/03/10	12/09/10	7	Ten additional access roads.
VR #24	12/17/10	12/20/10	8	Use of an existing concrete parking area/pad in Tonner Canyon as a helicopter landing zone and equipment staging and parking area, Segment 8, Phase I.
VR #25	12/17/10	12/20/10	8	Revision to the Structure Work Area for Tower M73-T2, Segment 8, East (Phase III).
VR #26	01/06/11	01/06/11	7	Revised disturbance areas in Montebello Hills
VR #27	01/12/11	01/13/11	7	Relocation of interset tower M54-T3a
VR #28	01/14/11	01/19/11	Yard	Grading at Vincent South Material Yard.
VR #29	01/14/11	01/19/11	Yard	Additional parking areas at Rodeo North and South Contractor Yards.
VR #30	01/28/11	01/28/11	Yard	Grading at Vincent North Material Yard.

Variance Request	Date Requested	Date Issued	Segment #	Description
VR #31	02/04/11	02/04/11	7, 8	Revised 66 kV underground alignment along Edison Avenue in the City of Chino
VR #32	02/04/11	02/07/11	Whirlwind	Temporary offsite equipment loading/unloading and parking area.
VR #33	02/08/11	02/10/11	8	Access route to Tower M0-T6.
VR #34		02/11/11	Whirlwind	Temporary concrete slab within work area (VR #32).
#35	02/14/11	02/14/11	8	Access to additional wire setup sites between Oaks Avenue and Tower M46-T7b.
#36	02/14/11	02/15/11	10 Telecom	Move two wood poles approximately 5 feet out of the drainage along Oak Creek Road.
#37	02/19/11	02/24/11	6	Modification to Yard 75 boundaries.
#38	02/23/11	02/25/11	8	Expansion of wire site for Phase 4 work.
#39	03/01/11	03/03/11	All Yards	Replace fence fabric screening with slats for safety reasons during high wind events.
#40	03/02/11	03/03/11	5	Additional access road to Construct 29.
#41	03/04/11	03/08/11	5	Additional access road improvements.
#42	03/04/11	03/08/11	4	Additional access road improvements.
#43	03/03/11	03/10/11	8	Additional access to Tower M2-T2.
#44	03/16/11	03/18/11	8	Tower M2-T5 and access road shift within SCE ROW
#45	03/22/11	03/25/11	5	Soil Stockpile areas at three locations
#46	03/25/11	04/04/11	7	Temporary disturbance areas for underground disturbance, 66 kV
#47	04/05/11	04/06/11	8	Wire Setup Sites for Tower M2-T2.
#48	04/06/11	04/08/11	5,8	Start of construction prior to Los Angeles County Public Works grading permit issuance.
#49	04/06/11	04/08/11	8	Extended work hours on Segment 8, Phase 2
#50	04/05/11	04/13/11	8	Turnouts along Sanome Mountain Way.
#51	03/29/11	04/13/11	8	Water bar repair and construction.
#52	04/11/11	04/14/11	7	Additional access to Interset M54-T3A
#53	04/05/11	04/15/11	5, 8	Permission to build slope stabilization Towers prior to L.A. County Public Works Permit
#54	04/14/11	04/18/11	5	Soil stockpile area near Tower 27
#55	04/12/11	04/20/11	4	Relocate two towers and associated access roads and disturbance areas within ROW.
#56	04/13/11	04/20/11	Yards	Installation of temporary power poles to provide power to Vincent North and Vincent South Material Yards.
#57	04/07/11	04/25/11	7	Additional improvements to Van Tassel Motorway.
#58	05/02/11	05/05/11	8	Tower M48-T4 access road.
#59	05/06/11	05/09/11	8	Segment 8 Phase 1, M49-T1 and M59-T2 additional parking, staging and turn-around areas.
#60	04/25/11	05/13/11	7	Wire Setup Site expansions.
#60 Mod	04/25/11	06/06/11	7	Additional Wire Setup Site 7.1a.

Variance Request	Date Requested	Date Issued	Segment #	Description
#61	05/11/11	05/13/11	5	Additional access off Godde Hill Road
#62	05/12/11	05/18/11	7	Soil stockpile area near M27-T3
#63	05/19/11	05/23/11	8	Change to previously approved access road at M61-T1, Segment 8 Phase 1.
#64	05/23/11	06/06/11	8	Extra work space to accommodate wire tagging areas.
#65	05/25/11	06/06/11	8	Extra parking, staging and turnaround at Tower M48-T3.
#66	05/26/11	06/06/11	5	Elizabeth Lake access road.
#67	05/27/11	06/06/11	8	Additional workspace near M23-T2A in Segment 8 phase 1.
#68	05/10/11 Revised 06/14/11	06/24/11	All	Allow continued use of approved TEWS access roads if nesting birds subsequently move in.
#69	06/14/11	CPUC Review	All	Variance to MM AQ-1d
#70	06/14/11	06/30/11	5	Change in pulling site locations at CT 22, 43, 51a & 57.
#71	06/27/11	07/06/11	8	Extra workspace at M57-T2 and M57-T3.
#72	07/01/11	07/08/11	8	Additional workspace at the I-605 Shoofly area
#73	06/01/11	07/08/11	10	Shift in Tower 43 Wire Setup Site. Additional information provided 07/07.
#74	07/22/11	07/28/11	11A	Modification of guard pole sites along Segment 11A.
#75	07/25/11	08/03/11	11A	Equipment AQ-1d compliance.
#76	07/18/11 Revised 07/25/11	08/03/11	5	Relocation of a Wire Stringing Site near Tower 34. Inquiry sent 07/27.
#77	07/27/11	08/03/11	4	Two additional Wire Stringing Sites near Towers 35 and 51. Inquiry sent 08/01.
#78	08/03/11	08/04/11	8	Relief from focused biological survey requirements because of restricted property access, Phase I. CDFG approval provided.
#79	08/06/11	08/11/11	4	Guard pole site near Tower 52.
#80	08/10/11	08/12/11	10	Roadway reclassification and modifications near Tower 83.
#81	08/12/11	08/18/11	10	Roadway reclassification and modifications near Towers 48 and 49.
#82	08/18/11	08/30/11	4	Wire setup site (WSS) relocations and new WSS and overland travel routes. Inquiry sent 08/22; response submitted 08/26
#83	07/26/11	08/30/11	8	MA1-T2 and MA1-T4 access road.
#84	08/30/11	09/01/11	8	M54-T1 and M54-T2 Access road and staging area.
#85	07/15/11	09/12/11	8	Additional guard structure sites at Fullerton Road and WSS at M51-T2, M51-T3, M50-T1, M45-T4 and M6-T2. Gnatcatcher acreages pending.
#86	09/02/11	09/12/11	4	Two guard pole sites
#87	09/09/11	09/12/11	10	Use of existing roads between 90 th street west and tower 6

Variance Request	Date Requested	Date Issued	Segment #	Description
#88	09/15/11	09/20/11	4, 5 & 10	Allow for the use of six water trucks that don't meet the requirements of MM AQ-1d.
#89	09/15/11	09/22/11	10	Increased turning radii @ CT 67 & 68 and road improvement at CT 74.
#90	09/26/11	10/03/11	5	Extra work space for CT 30.
#91	09/28/11	10/03/11	5	Addition of mats @ CT 45.
#92	10/01/11	10/03/11	4	Segment 4 access road use near Tower 31.
#93	09/30/11	10/05/11	5	Additional Disturbance area near Tower 55A.
#94	09/28/11	10/12/11	8	Widen the curve of an access road leading to Structure M56-T4.
#95	09/30/11	10/12/11	5	Additional disturbance areas at Towers 19, 22, and 25.
#96	10/12/11	10/17/11	8	Guard structure site and access road to Structure MA1-T3.
#97	10/06/11	10/21/11	8	Telecom wire sites at Rose Hills.
#98	10/22/11	11/04/11	4	Additional turning radii and road reclassification associated with Tower M73-T3AX.
#99	10/20/11	11/01/11	8	Extra Workspace for topsoil salvage at M56-T3.
#100	09/28/11	11/04/11	8	Twenty-four staging and turnaround areas.
#101	11/02/11	11/04/11	5	Additional work space at CT 30, 51a and 61.
#102	11/02/11	11/09/11	5	Extra Workspace near Tower 18.
#103	11/04/11	11/09/11	5	Additional guard pole sites.
#104	11/02/11	11/09/11	8	Use of 605 Shoofly as Contractor Yard.
#105	11/06/11	11/14/11	5	Additional workspace at CT 6, 28B, 44, 68 and M113-T3.
#106	11/09/11 & 11/10/11	11/17/11	5	Additional workspace and roadways at CT30.
#107	11/16/11	11/18/11	8	Use of Contractor yard previously approved as TEWS, in Chino.
#108	11/18/11	11/22/11	5	Extra work space near CT 50, 51a and 55.
	12/13/11		7/8 66 kV	San Gabriel Dip extra work space and vault shift.

TABLE 3
TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS
(Updated 12/13/11)

TEWS Request	Date Requested	Date Approved	Segment #	Description
TEWS, Segments 1-3				
<i>For TEWS activity on Segments 1-3 prior to 2010, please see Table 3 in Weekly Reports 106-107.</i>				
TEWS, Segments 4-11				
#1	09/30/10	09/30/10	7	Re-phasing work at a tower not previously identified on Rio Hondo-Amador-Jose-Mesa 66 kV
#2	10/08/10	10/08/10	4	Park a boom truck on LADWP access road during the outage

TEWS Request	Date Requested	Date Approved	Segment #	Description
#3	10/12/10	10/12/10	8	Use a wire setup site not previously identified on Chino–Mira Loma No. 1
#4	10/20/10	10/20/10	5	Extra space from wire truck parking near Vincent Substation.
#5	10/21/10	10/21/10	7	Use a site not previously identified for staging of equipment and materials at Tower M54-T3a.
#6	11/01/10	11/01/10	5	Use of an existing SCE access road.
#7	11/01/10	11/03/10	5	Use of an existing road (Parkwood Drive).
#8	11/02/10	11/02/10	8	Use a site not previously identified for vehicle parking and as a helicopter landing zone.
#9	11/30/10	12/01/10	5	Use 8 existing spur roads as extra parking and turnaround areas
#10	12/02/10	12/02/10	7	Additional access road for on Rio Hondo–Anita No. 2 66 kV.
#11	12/08/10	12/08/10	5	Use an existing spur road near Tower 29, north of Elizabeth Lake Road.
#12	12/09/10	12/09/10	7	Additional access road near Towers M41-T1 through M41-T3
#13	12/14/10	12/14/10	8	Access road to Tower M0-T6.
#14	01/10/11	01/10/11	8	Access road to Tower M2-T5
#15	01/11/11	01/11/11	8	Additional parking area in Tonner Canyon.
#16	01/17/11	01/17/11	5	Additional parking and turnaround area near Tower 54.
#17	01/18/11	01/18/11	7	Use of a dirt road for access to M41-T4 wire sites.
#18	02/04/11	02/04/11	7	Additional access road to Tower M54-T3a.
#19	02/11/11	02/11/11	5	Extension for use of mudpit road north of Elizabeth Lake Road.
#20	02/15/11	02/25/11	7	Crane parking on Brookridge Road in the City of Duarte.
#21	03/02/11	03/02/11	8	Additional parking within Tonner Canyon adjacent to M57-T1
#22	03/03/11	03/03/11	8	Additional parking within Tonner Canyon adjacent to M57-T3
#23	03/03/11	03/03/11	7	Additional parking for a crane along Greenbank and Brookridge Roads in the City of Duarte
#24	03/25/11	03/25/11	8	Additional space within Chino Sub for wire stringing.
#25	03/31/11	03/31/11	5	Additional parking on SCE roads near tower 50.
#26	04/11/11	04/11/11	8	Additional access within Pathfinder Park to Tower M9-T1B.
#27	04/12/11	04/14/11	8	Mid-span access between M3-T5 and M4-T1 to install sleeves.
#28	04/07/11	04/07/11	5	Additional parking/staging area adjacent to Tower 54; original TEWS had expired.

TEWS Request	Date Requested	Date Approved	Segment #	Description
#29	04/07/11	04/07/11	5	Use of private dirt road so that Woodward Brothers could remove their drill; cannot cross Amargosa Creek due to flow.
#30	05/22/11	05/26/11	5	Mat placement to protect drainage pipes along access road at Parkwood Drive.
#31	06/08/11	06/09/11	8	Additional access at the 605 Shoofly.
#32	05/23/11	06/06/11	5	Use of spur road near Tower 26.
#33	06/07/11	06/09/11	5	Extended original TEWS for spur road near Tower 54.
#34	06/13/11	06/14/11	11	Additional parking outside of San Gabriel Yard
#35	06/28/11	06/28/11	5	Additional staging near Tower 44.
#36	07/08/11	07/11/11	5	Additional staging area near Tower 51.
#37	07/20/11	07/20/11	8	Additional access at Rooks Road
#38	07/20/11	07/20/11	8	Additional stage area at M60-T1
#39	07/27/11	07/27/11	8	Additional staging and turnaround between M54-T1 and M54-T2.
#40	08/01/11	08/01/11	5	Use of spur road for additional parking and staging near Tower 52.
#41	08/08/11	08/12/11	5	Use of disturbed area for parking and equipment staging near Tower 30.
#42	08/10/11	08/10/11	8	New access to Tower MA1-T3
#43	08/12/11	08/12/11	8	Additional guard pole site on Fullerton Road
#44	08/12/11	08/12/11	11	Extra space at guard pole site on Del Mar Avenue
#45	08/12/11	08/12/11	8	Access to distribution poles along Archibald Avenue
#46	08/08/11	08/12/11	5	Use of disturbed area for parking and staging of equipment and vehicles.
#47	08/18/11	08/18/11	8	Additional parking at M64-T4
#48	08/19/11	08/19/11	11	Overland access to Tower M14-6
#49	10/13/11	10/13/11	8	Contractor yard, turning area and staging for 66 kV underground work in Ayala Park.
#50	11/07/11	11/14/11	5	Use of three existing spur roads for additional parking near Tower 68
#51	11/22/11	11/22/11	8	Use of an existing, paved road for additional access on Segment 8, Phase 3.

NON-COMPLIANCES & INCIDENTS

Table 4 provides a summary of CPUC Non-Compliance Reports and Project Memorandums.

TABLE 4
CPUC NON-COMPLIANCE REPORTS & PROJECT MEMORANDA
 (Updated 12/13/11)

Type	Date	Location	Description
NON-COMPLIANCE REPORTS & PROJECT MEMORANDA, SEGMENTS 1-3			
<i>For CPUC Non-Compliance Reports & Project Memoranda activity on Segments 1-3 prior to 2010, please see Table 4 in Weekly Reports 106-107.</i>			
NON-COMPLIANCE REPORTS & PROJECT MEMORANDA, SEGMENTS 1-11 (January 2010 thru the present)			
CPUC Non-Compliance Reports (NCR):			
NCR #1	Issued 02/24/11 Withdrawn 03/24/11	Project-wide	No notification of wildlife entrapment/mortality from bird deterrent netting.
NCR #2	09/13/11	Segment 7, 66 kV	TRTP construction activity occurring in the San Gabriel Junction area prior to the installation of exclusionary staking for sensitive resource areas and without resource monitoring.
SCE Level 2	11/15/11	Seg 10	An H&M truck drove outside the approved access road limits
SCE Level 2	11/16/11	Seg 4	Conductor dragged on ground through DT habitat during wreck-out work
SCE Level 1	11/18/11	Seg 5	A hydraulic fluid spill near Tower 68
SCE Level 1	11/20/11	Seg 10	ROW entry prior to morning sweep in DT habitat
SCE Level 1(2)	11/21/11	Seg 5	Inadequate BMP's
SCE Level 1	11/14/11	Segment 8, Phase 1	Contractor drove outside the limits of the road at M56-T1. A disturbed, thirty-foot section was observed.
SCE Level 1	11/15/11	Segment 8, Phase 1	Contractor drove outside the limits of the road at M56-T1. A disturbed, 17 foot section was observed.
SCE Level 1	11/17/11	Segment 8, Phase 1	A DCX and a Tri-State sweeper were parked in a non-approved area adjacent to Running Branch Road.
SCE Level 1	11/17/11	Segment 8, Phase 3	Construction vehicles driving outside of the work area at M67-T3
SCE Level 1	11/17/11	Segment 8, Phase 3	A water truck was observed driving outside of the work area at M72-T2.
SCE Level 1	11/18/11	Segment 8, Phase 2	A biological monitor was parked outside the approved work limits for M1-T3.
SCE Level 1	11/18/11	Segment 8, Phase 1	A truck delivering a rebar cage drove outside the limits of the road at M56-T1.
SCE Level 1	11/18/11	Segment 8, Phase 1	Contractor parked outside of approved work limits for M1-T3.
SCE Level 1	11/19/11	Segment 8, 66 kV	Work began on Siphon Road within Whittier Narrows without a biological monitor present.
SCE Level 1	11/21/11	Segment 7, 66 kV	An SCE drove outside the approved limits of the access road to 4704319E.

Type	Date	Location	Description
CPUC Project Memoranda (PM)			
PM #1	04/27/10	Segment 3A	Delivery of equipment to Tower 43 within an ESA without monitors present.
PM #2	06/23/10	Segment 8 West CY	Vegetation clearing without preconstruction biological or clearance surveys within TRTP right-of-way.
PM #3	02/16/11	Project-wide	No notification provided on 10 separate Level 0 incidences.
PM #4	02/16/11	Segment 7	Construction crews entered area prior to sweep being field validated by CPUC EM.
PM #5	09/07/11	Segment 7	Use of unapproved area for staging material near Greenwood and Saturn Ave, Monterey Park.

PROJECT PHOTOGRAPHS



Figure 1: Cattracs hauled soil and rock from Tower 68 to the wire set-up site along Rockyford Road, Segment 5.



Figure 2: Covered dump trucks hauling soil and rock from Tower 68 excavation to Lancaster landfill, Segment 5.



Figure 3: Erosion at Tower 50, Segment 5.

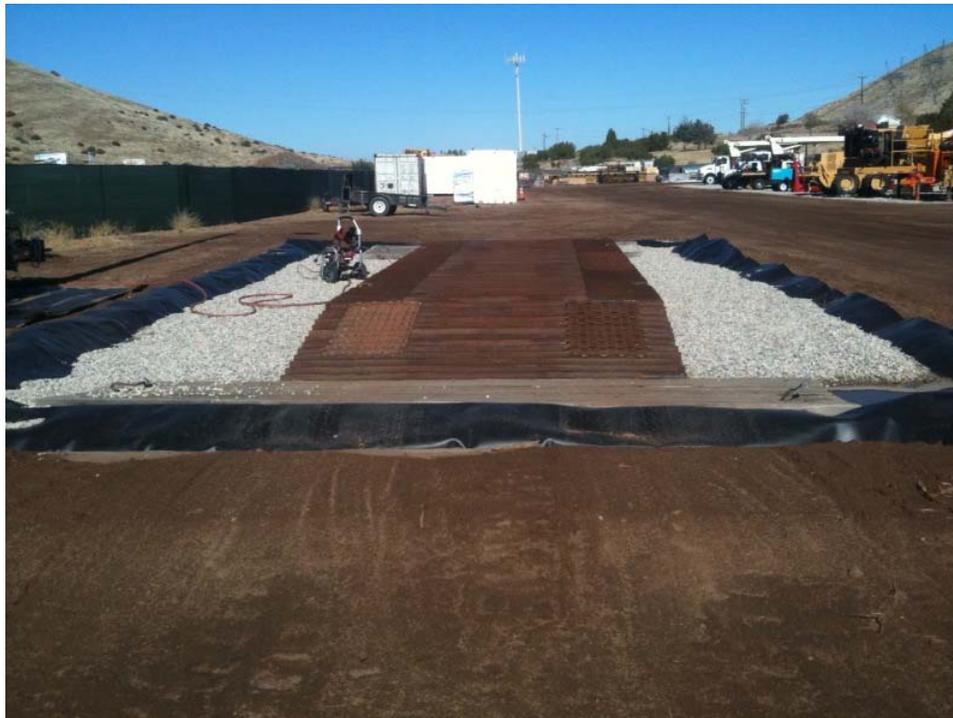


Figure 4: Wash station in the PAR Vincent North Material Yard, Segment 6.



Figure 5: Foundation excavation of a 66 kV footing adjacent to the I-605 freeway.



Figure 6: Foundation drilling of a 66 kV footing within Whittier Narrows.



Figure 7: Fiber roll and silt fencing installation, Segment 8 Phase 4.



Figure 8: A concrete truck along the access road to M56-T1, Segment 8 Phase 1.



Figure 9: An uncovered soil pile, Segment 7.