



30423 Canwood Street, Suite 215, Agoura Hills, CA 91301-4316  
Tel. 818-597-3407, Fax 818-597-8001, www.aspeneg.com

**PROJECT MEMORANDUM**

**ANTELOPE TRANSMISSION PROJECT, SEGMENTS 1, 2 AND 3A**

**To:** John Boccio, Project Manager, CPUC  
Justin Seastrand, Project Manager, ANF  
**From:** Vida Strong, Aspen Project Manager  
**Date:** April 7, 2009  
**Subject:** Weekly Reports 62 and 63: March 15 to March 28, 2009.

**INTRODUCTION**

This report provides a summary of the construction and compliance activities associated with the SCE Antelope-Pardee 500 kV Transmission Project, Segment 1, and SCE Antelope Transmission Project, Segments 2 and 3A. 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.

**SEGMENT 1: Antelope-Pardee**

The Antelope-Pardee Project, Segment 1, is comprised of three sections:

- Section 1: Pardee Substation to the ANF boundary.
- Section 2: ANF
- Section 3: ANF Boundary to the Antelope Substation

During the subject period, construction activity continued under Notice to Proceed (NTP) #7 for construction of Section 1 and NTPs #2 and #11 for construction of Section 3, including the Antelope Substation. In addition, work continued under NTP #18 and the Special Use Permit (SUP) for construction of Section 2, Angeles National Forest. Equipment, materials, and office trailers are being staged in approved construction yards.

**SECTION 1**

**CPUC/Aspen Environmental Monitors (EM):** Jenny Slaughter and Arturo Ruelas.

**Summary of Activity:**

The Shoofly (temporary bypass of Santa Clara Vincent line) of the Antelope Pardee Transmission Line Project authorized under NTP #5 was energized between May 2008 and March 2009. The lattice tower structures originally supporting the line have been replaced with double-circuit towers to accommodate both the Santa Clara Vincent and Antelope Pardee lines between the Pardee Substation and Structure 25 in Santa Clarita.

NTP #7 for Section 1 of Segment 1 was issued by the CPUC on May 8<sup>th</sup>. Construction activities approved under NTP #7 include the removal of the Saugus–Del Sur 66 kV line and towers, the construction of the new 500 kV double circuit lattice towers, and the removal of the existing 220 kV Santa Clara Vincent line and towers. Construction activities under NTPs #5 and #7 during the subject period consisted of the following activities.

1. Final wire installation work along the new 500 kV double circuit towers continued, including the placement of weights, spacers, and insulators.



2. The temporary bypass line (Shoofly) was de-energized and crews completed removing the wire between Shoofly poles 1 and 18 and began to remove the Tubular Steel Poles.
3. Removal of the Santa Clara Vincent lattice towers will take place after the Shoofly has been dismantled.
4. Wire removal of the Santa Clara Vincent line began between the Pardee Substation and San Francisquito Canyon Road. Wire removal has been completed between wreck-out towers 1B-2, and 13-15.

**Environmental Compliance:**

1. On March 26<sup>th</sup>, the CPUC EM observed a wire crew pulling out wire between wreck-out Towers 14 and 15. An active scrub jay nest had been reported in this area a few days before. The CPUC EM watched as wire was pulled through the canyon over the vegetation immediately adjacent to the nest (see Figure 1). The Environmental Inspector from Burns and McDonnell was notified of the concern that the activity had not been monitored by a biologist to ensure protection of the active scrub jay nest.
2. SCE submitted a request to reopen the Lower Pumpkin Yard for construction use. The request was approved by CDFG with the same conditions as before, that access to the yard would not take place during flows of Bouquet Creek which supports an endangered fish species and crosses the entrance to the yard. If water is present, crews are not permitted to cross the drainage and are required to notify CDFG and the CPUC.
3. Several new nests were reported in Section 1 during the subject period. Two passerine species were found to be nesting within 100-feet of Shoofly pole 4, a raven nest in Tower 1B, and a possible raptor nest next to Tower 25. CDFG approved a reduction in a buffer for the passerine nests in order to remove Shoofly pole 4 provided they are monitored, the removal of the nest in 1B provided that it was not active, and recommended that the possible raptor nest adjacent to Tower 25 be monitored during construction with the greatest buffer practicable.

No CPUC Non-Compliance Reports (NCR) or Project Memoranda (PM) was issued during the subject period for Section 1 Construction. Non-Compliance activities for the project to date are summarized in Table 4.

**Agency Representatives:**

None.

## SECTION 2, ANF & ADJACENT YARDS

**ANF Representatives:** Justin Seastrand, George Geer, Mike Roberts, Janet Nickerman, Katie VinZant  
**CPUC/Aspen Environmental Monitors (EM):** Jenny Slaughter and Arturo Ruelas

### Summary of Activity:

On October 23, 2008, the Angeles National Forest issued a Special Use Permit for construction of the new 500 kV towers and the removal of the existing 66 kV towers on National Forest System lands; a Notice to Proceed (NTP) from the CPUC was issued on October 27<sup>th</sup>. The 66 kV conductor removal has been completed and was permitted by a separate SUP issued by the ANF and NTPs issued by CPUC.

Construction of Section 2 on the ANF began on November 12<sup>th</sup>. Crews assemble each morning at the Pottery Yard on Bouquet Canyon Road at 6am. Crews plan to work 6 days a week if Project Activity Levels (PAL) allow. Sunday micropile work has also been authorized by the ANF. PAL levels for the subject period are summarized below:

Date	Project Activity Level (PAL)	Activity Allowed/Conducted
Sunday, March 15	D	Work is allowed
Monday, March 16	B	Work is allowed
Tuesday, March 17	C	Work is allowed
Wednesday, March 18	D	Work is allowed
Thursday, March 19	D	Work is allowed
Friday, March 20	D	Work is allowed
Saturday, March 21	D	Work is allowed
Sunday, March 22	A	Work is allowed
Monday, March 23	A	Work is allowed
Tuesday, March 24	C	Work is allowed
Wednesday, March 25	D	Work is allowed
Thursday, March 26	EV	Work is allowed with restrictions
Friday, March 27	C	Work is allowed
Saturday, March 28	D	Work is allowed

Construction activities during the subject week consisted of the following:

1. Brush clearing crews have completed clearing vegetation in disturbance areas on the ANF.
2. Footing preparation crews hand dug footing bases at tower locations 77-84. The hand excavations are taking place prior to the mobilization of the micropiling crews.
3. Tower assembly is occurring within the tower assembly areas on the ANF as well as in nearby yards. During the subject period, pieces of tower legs were flown into place and joined together.
4. Two periods of heavy lift helicopter use, each not to exceed 10 days, are planned beginning April 9. The larger sections of the towers will be flown into place beginning at the southern end of Section 2.
5. Micropile crews continue working south to north. Grout is being prepared near Tower 34 and flown into the micropile sites. All towers on the ANF are constructed with micropile foundations except for the road accessible sites (4 towers total).
6. United Construction crews (PAR's subcontractor) finished removing the 66 kV lattice towers from the ANF; however, some of the foundations have been left for removal at a later time.

## **Environmental Compliance**

1. While conducting tower assembly yard areas on the ANF, the CPUC EM identified several nuts and bolts associated with steel assembly on the ground. The small pieces of metal are considered micro-trash and must be picked up at the end of each day. Buckets containing the nuts and bolts were on site and did not have lids to cover them. The CPUC EM informed the Burns and McDonnell Environmental Inspector of the micro-trash concern. This issue will be continually monitored during construction on the ANF.
2. A Sage sparrow nest (now containing eggs) was identified within 50-feet of SR 41. Biologists will continue to monitor the nest during construction activities.
3. An inspection of the newly constructed roads on the ANF was conducted by Mike Roberts, ANF. Mr. Roberts noted several road drains needed cleaning out and run off silting in areas of rip rap along SR 52.
4. All vehicles and equipment are being washed before entering ANF lands at the Pumpkin Yard wash station. The wheel wash, which is on the north side of Bouquet Creek and does not require use of the stream crossing for access, will remain in its current location. Other wheel wash stations have been set-up at the entrance to Spur Roads 41 and 52, Spunky Edison Road, and the access to Towers 76-77. All vehicles and tracked equipment must be washed prior to entering these new roads in order to minimize the spreading of invasive plant species in the recently disturbed soils.
5. As approved by the ANF Permit Administrator, PAR will replace tarps on the footer excavation with ramps of either lath or 2x4 inch wood studs in order to facilitate wildlife that might fall in to exit and not become trapped in the holes.
6. PAR Fire Marshall, Richard Schmitz, requested the used of a 200 gallon water tank with a 300 foot hose to use in clearing around those tower sites that are in the middle of the burned areas and have little vegetation. This was to reduce the number of flights by helicopter to bring in the required 300 gallon water sources.
7. Changes to two activities were granted by the ANF Project Administrator. Tower assembly and chipping of vegetation in Landing Zones can continue beyond 1pm on EV days. These two activities can occur until April 15<sup>th</sup> and as long as a water truck is present with a minimum of 300 gallons of water and a charge hose, and all the vegetation has been cut down to two inches.
8. Within Landing Zones, chips must be stored in a pile. Spreading of chips will be considered a Non Compliance by the ANF.
9. The ANF Permit Administrator has requested that all topsoil storage sites (SR 41, 52, and 73 and associated WSS sites) be flagged and identified with ESA signs.
10. There must be a ten foot clearance around all equipment and engines, and all the vegetation must be cut to a minimum height of two inches.
11. SCE must provide updated bird nest tracking tables and maps on a weekly basis to all SCE monitors and CPUC EMs.

No CPUC Non-Compliance Reports (NCR) or Project Memoranda (PM) was issued during the subject period for Section 2 construction. Non-Compliance activities for the project to date are summarized in Table 4.

### **Agency Representatives during Construction (other than ANF representatives and the CPUC EMs):**

None.

### **SECTION 3, ANTELOPE SUBSTATION, & ADJACENT YARDS**

**CPUC/Aspen Environmental Monitor (EM):** Jenny Slaughter and Arturo Ruelas.

#### **Summary of Activity:**

Section 3 includes the construction of the 500 kV towers, the dismantling of the Saugus–Del Sur 66 kV transmission line, the construction of the 12 kV distribution line, and the Antelope Substation expansion for the Antelope Pardee Project.

NTPs #10 (for the 12 kV component of Section 3 of Segment 1) and #11 (for the 500 kV tower constructions and dismantling of the 66 kV transmission line) were issued by the CPUC on June 25<sup>th</sup>. In Section 3, a combination of single circuit lattice towers and tubular steel poles are used to support the new 500 kV line. Construction activities approved under NTP #2 continued for the Antelope Substation expansion work. Construction of the 12 kV distribution line as authorized under NTP #10 has been completed, and the line was energized on September 2<sup>nd</sup>.

Construction activities under NTPs #2 and #11 during the subject period consisted of the activities noted below. PAR Construction is responsible for constructing the 500 kV structures.

1. All towers in Section 3 have been assembled. Wire stringing began on March 28 with sock line flown into place between Towers 96 and 110.
2. Grading, grounding, and fencing of the Antelope Substation expansion area has been completed. An earthen berm was constructed surrounding the expansion area to assist in drainage. Crews continue the construction of the new substation components within the expansion area.

#### **Environmental Compliance**

1. A Red tailed hawk nest was observed in Tower 100 in Section 3. Burns and McDonnell biologists thought they observed an egg in the nest. Because PAR is scheduled to install wire in this area, SCE requested permission to climb the tower to determine the status. After consulting with CDFG and USFWS, a plan for further investigation using a helicopter was made. During this investigation, the nest was found to be empty and was allowed to be removed.
2. A great horned owl and a raven nest have been identified in the Antelope Substation. According to SCE, both nests will not be impacted by nearby construction and will be left in place.

No CPUC Non-Compliance Reports (NCR) or Project Memoranda (PM) was issued during the subject period for Section 3 construction. Non-Compliance activities for the project to date are summarized in Table 4.

#### **Agency Representatives during Construction (other than CPUC EMs):**

None.

## **SEGMENT 2: Antelope-Vincent**

### **Summary of Activity:**

The Notice to Proceed for Segment 2 construction (NTP #14) was issued by the CPUC on September 30<sup>th</sup>. Segment 2 involves the construction of a new 21.0-mile single-circuit 500 kV transmission line initially to be energized at 220 kV and 0.6 miles of a new 220 kV transmission line connecting SCE's Antelope Substation in the City of Lancaster to the Vincent Substation in incorporated Los Angeles County. Segment 2 also includes demolition and relocation of 4.4 miles of existing 66 kV sub-transmission line to accommodate construction of the new 500 kV transmission line in the right-of-way and modifications to the Vincent Substation.

1. The 66 kV line has been relocated and energized between the Antelope Substation and the California Aqueduct. All of the original wood poles have been removed. Two of the new wood poles were replaced with TSPs during an outage.
2. Construction of the 500 kV towers in Segment 2 continued.
3. Access roads for 500 kV towers have been completed in most areas of Segment 2. During the subject week access road to the Sagebrush Tower 250 was completed.
4. Foundations for 500 kV Towers 2-60, 71-82, 86, 98-104, 108-113, 114, VSF-1-VSF-5, Sagebrush 2A, 211, and 250 were completed (see Figure 2).
5. Steel assembly continued at Towers 2-19, 22, 25-33, and 35 (see Figure 3). Assembly at Tower 19 has been completed.
6. Concrete pouring occurred at foundations for Towers 0-55, 76-80, 99-105, 108-114, and along the Shoofly near the Vincent Substation.

### **Environmental Compliance:**

1. As conditioned in the NTP, all sensitive resources are being flagged for avoidance and verified by the CPUC EM prior to construction.
2. An addendum for modifications to the Sagebrush structures in Segment 2 was approved by the CPUC on March 16. Work associated with the modifications is occurring once the biological clearance surveys have been completed and field verified by the CPUC EM.
3. Protocol level surveys for Western burrowing owls in portions of Segment 2 identified in the LSA Burrowing Owl Survey Report are required within 30 days of the initiation of construction. All protocol level survey reports for Burrowing owls have been submitted.
4. Juniper and Joshua trees impacted by construction are being tracked by Burns and McDonnell Environmental Inspectors for future mitigation.
5. A badger was observed by crews on March 25<sup>th</sup> along the access road near Tower 91. Biologists were able to locate a burrow 500-feet from Tower 92.
6. For the Amargosa Creek crossing, additional Best Management Practices (BMP's) were added along the roadway to capture silt and other debris before it enters the creek. No rolling dips, straw wattles or water bars will be installed or constructed within the creek channel.

No Non-Compliance Reports were issued by the CPUC EM for the subject week for work being conducted within Segment 2. Non-Compliance activities for the project to date are summarized in Table 4 near the end of this report.

**Agency Representatives during Construction (other than CPUC EMs):**

None.

**SEGMENT 3A: Antelope-Windhub**

The NTP for Segment 3A (NTP #17) was issued by the CPUC on October 22, 2008. Segment 3A involves the construction of a new 25.6-mile 500 kV transmission line initially energized at 220 kV connecting SCE's Antelope Substation in the City of Lancaster to a new proposed Windhub Substation on Oak Creek Road in the Tehachapi area of Kern County. The NTP for the new Windhub Substation (NTP #19) was issued by the CPUC on December 1. Several properties in Segment 3A are in the condemnation process. No construction activities have taken place to date.

**Summary of Activity/Environmental Compliance:**

1. On March 19<sup>th</sup>, a road staking crew was preparing to mark access roads in Segment 3A to prepare for future construction. The CPUC EM notified the Burns and McDonnell Environmental Inspector that this work was planned for the day and expressed concern that the road staking crews need to avoid the active burrowing owl burrows present in many areas of the Segment (the pre-construction burrowing owl surveys had not yet been completed, but preliminary data had been submitted to Burns and McDonnell). The Burns and McDonnell Environmental Inspector did not accompany the crew, but briefed them on areas to avoid, specifically near Towers 96 and 37. The road marking crews were told to stay on the roads while conducting the road staking work. Later in the afternoon, the CPUC EM toured the areas of Segment 3A near the Antelope Substation and noticed that the road staking crews were driving off the existing roads in order to mark new roads for construction. The area where the crew was driving had not yet been surveyed for burrowing owls. The Burns and McDonnell Environmental Inspector was immediately notified and the crew was told to get back onto existing roads. While driving back to the Antelope Substation, the CPUC EM noticed that the same crew had driven off the road into the area of Tower 96 in order to stake a new, proposed access road. The crew had been warned to stay away from this tower because of the numerous burrowing owl burrows in the area. The crew had driven through and came within 20-feet of an occupied burrowing owl burrow (see Figure 4). A Project Memoranda was issued by the CPUC for this activity. The Project Memorandum was issued to SCE and required that a plan for road/tower flagging be submitted to the CPUC and CDFG for review and approval. The plan is to include a requirement for a biological monitor to accompany the crews in order to avoid and protect biological resources.
2. On March 27<sup>th</sup>, biologists from LSA, Burns and McDonnell, and SCE, met with CDFG representative Dan Blankenship to assess several burrowing owl burrows within the project disturbance areas. As part of the plan to determine if burrows were active, a Peeper (scope camera) was used on several of the burrows. If the burrows were determined to not contain eggs or an owl pair, the burrow was covered with plywood to deter further burrowing owl activity. A report documenting the activities and findings is expected to be submitted later this week.
3. Protocol level surveys for Western burrowing owls was submitted on March 26<sup>th</sup> for 42 of 103 Towers in Segment 3A.
4. Partial authorization regarding the letter report for the Bean Springs archaeological site CA-KER-2821/H dated November 26, 2008 and received on February 3, 2009, was issued by CPUC on February 19<sup>th</sup>. Work at TSP 3A-43 is authorized to proceed; however, no work shall occur at TSP 3A-44 and associated ADI and access road until the Final Report is submitted for review and approval.

One Project Memorandum was issued by the CPUC EM for the subject period for work being conducted within Segment 3A. Non-Compliance activities for the project to date are summarized in Table 4 near the end of this report.

**Agency Representatives during Construction (other than CPUC EMs:**

Dan Blankenship, CDFG.

**CPUC NOTICES TO PROCEED (NTPS) & ANF PERMITTING**

Table 1 summarizes the CPUC Notice to Proceed and ANF permitting activity for the Antelope-Pardee Project, Segments 1, 2, and 3, to date.

**TABLE 1**  
**CPUC NTPS & ANF PERMITTING**  
(Updated 04/07/09)

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
CPUC NTPs				
#1	10/10/07	10/16/07	1 & 3	Mojave Marshalling Yard. Per the request, the yard will primarily be used to store construction equipment and materials for the project.
#2	11/16/07	12/10/07	1	Antelope Substation construction and expansion, as well as the use of two adjacent contractor laydown yards.
#2 Mod	12/21/07	01/02/08	1	Allow grading activity at the Antelope site/yards and replacement of an existing 80 foot microwave tower with a new 120 foot tower immediately outside of the communications room within the fenced area of the Antelope Substation.
#3	01/10/08	01/16/08	1	Use of five contractor laydown yards as named Pumpkin Yard, Pottery Yard, Pardee Substation Yard, Mechanics Yard and Avenue I Yard.
#4	01/29/08	02/04/08	1 & 3	Use of the Racetrack Marshalling Yard.
#5	02/19/08	02/28/08	1	Shoofly Construction, Section 1.
#5 Mod #1	03/11/08	03/19/08	1	Use of a new soil disposal site for the Shoofly construction, Section 1.
#5 Mod #2	03/24/08	03/26/08	1	Removal of the 66 kV conductors on the Saugus-Del Sur line during the outage scheduled for March 27, 2008.s
#6	03/19/08	03/29/08	1	Use of three additional construction yards, Rodeo, Blue Cloud, and Pumpkin expansion. Rodeo yard approved under NTP #9.
#7	04/03/08	05/08/08	1	Section 1 Construction.
#8	05/01/08	05/09/08	1	10 acre marshalling yard near Antelope Substation.
#9	03/18/08	06/18/08	1, 2, 3	Rodeo Yard
#10	06/02/08	06/25/08	1	12 kV line (Hughes Lake Distribution Line).
#11	06/03/08	06/25/08	1	Section 3 construction.
#12	06/27/08	07/08/08	1	Hydrant Yard
#13	07/17/08	07/18/08	1	Removal of the 66 kV conductors within the ANF, Phase 1, from tower 7-3 (near southern Forest boundary) to 16-3 (near Bouquet Reservoir).
#14	Initial submittal 07/11/08	09/29/08	2	Segment 2 construction.

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
#15	09-24-08	09/24/08	1	Removal of the 66 kV conductors within the ANF, Phase 2.
#16	10/01/08	10/09/08	1	Section 3, Reitano Marshalling yard.
#17	Initial submittal 09/12/08	10/22/08	3	Segment 3A construction
#18	10/24/08	10/27/08	1	Section 2 construction (Angeles National Forest)
#19	10/31/08	12/01/08	3	Windhub substation construction.
#20	03/20/09	04/02/09	2	R-8 marshalling yard, City of Palmdale.
<b>ANF PERMITTING</b>				
	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.

## 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 04/07/09)

Variance Request	Date Requested	Date Issued	Segment #	Description
VR #1	04/01/08	04/03/08	1	Change in construction of an overland travel road to Shoofly pole 18, to a temporary road construction method.
VR #2	04/18/08	04/19/08	1	Several expanded stringing sites, new staging areas, and guard pole installation sites for the removal of the 220 kV line.
VR #3	04/24/08	05/25/08	1	Weekend work along the Shoofly portion of Section 1, within the City of Santa Clarita and Los Angeles County, and at the Antelope Substation, Avenue J, in the City of Lancaster.
VR #4	05/08/08	05/09/08	1	Weekend work along the 66 kV line in Section 1
VR #5	07/15/08	VR will be submitted as separate requests		Expansion of guard pole structure areas in Haskell Canyon, New wire stringing site between NC 11 and 12, and crane pad near NC 20.
VR #6	07/30/08	07/30/08	1	Modification to the notice and review requirements under Mitigation Measures L-5 and L-6.

Variance Request	Date Requested	Date Issued	Segment #	Description
VR #7	08/12/08	08/16/08	1	Wire Stringing site in Section 1 between NC 11 and 12.
VR #8	08/20/08	08/27/08	1	Guard poles at Haskell Canyon outside of approved disturbance areas.
VR #9	08/19/08	09/09/08	1	Valuzet Movie Ranch Helicopter Landing Zone, Section 1.
VR #10	08/21/08	08/27/08	1	Permission to leave one tower foundation in place at wreck-out tower 24/2 in Section 1, due to likelihood of slope failure.
VR #11	09/12/08	09/16/08	1	New temporary road construction to NC 97 in Section 3.
VR #12 (revised)	09/17/08	Withdrawn	2	Permanent access roads for Segment 2 (see NTP #14).
VR #13	09/16/08	09/17/08	1	Turn around for equipment at NC 28 in Section 1.
VR #14	09/18/08	Denied 09/25/08	2	Permanent and temporary access roads in excess of 10% gradient on Segment 2 (see NTP #14).
VR #14 (revised)	10/03/08	Withdrawn	2	Temporary access roads in excess of 10% gradient on Segment 2.
VR #15	9/20/08	9/26/08	1	Access road changes, Section 3.
VR #16	09/26/08	Withdrawn	3	Permanent access roads for Segment 3A.
VR#17	10/14/08	10/15/08	1	Extended weekend work hours between NC 22 & 23 Haskell Canyon utility crossings.
VR#18	10/15/08	10/16/08	1	Wreck-out Tower 25/5 disturbance area and access road and footing removal. Segment 1 section 3.
VR #19	11/05/08	11/14/08	1	Use of existing disturbance areas as helicopter landing zones, Section 1.
VR #20	11/05/08	11/20/08	1	Use of existing disturbance areas as helicopter landing zones, Section 3.
VR #21	11/24/08	12/10/08	1	Approval to leave two foundations in place at wreck-out tower 25/1
VR #22	12/08/08	12/10/08	2	Use of existing disturbance areas as helicopter landing zones, Segment 2.
VR #23	01/07/09	01/12/09	1	Additional disturbance area near Construction Tower 25 and WSS14 on Section 1.
VR #24	01/08/09	01/27/09	1	Underground fiber optic line for Tower 13 on Section 1
MOD VR #24	02/20/09	03/24/09	1	Modify fiber optic line alignment to Tower 13.
VR #25	01/13/09	01/14/09	1	Work on Sunday, Jan 18, during LADWP outage over Haskell Canyon.
VR #26	01/20/09	01/22/09	1	Permanent lift structure M88-T1A southwest side Antelope substation.
VR #27	01/29/09	01/30/09	1	Extension of approved construction work hours Structures 22 and 23 (Haskell Canyon Crossing).
VR #28	02/02/09	02/04/09	1	2 <sup>nd</sup> wire stringing site for Tower 16.
VR #29	01/29/09	02/06/09	3A	Use of existing disturbance areas as helicopter landing zones, Segment 3A.
VR #30	02/02/09	02/09/09	2	New dead-end lattice tower, New Construction #115.
VR #31	02/19/2009	02/23/09	2	Modify road alignment for Access Road 56 to Construction 67.
VR #32	03/03/09	03/03/09	1	Nighttime wire removal across Newhall Ranch Road, City of Santa Clarita.

Variance Request	Date Requested	Date Issued	Segment #	Description
VR #33	03/09/09	03/05/09	1	Hydrant Yard nighttime emergency helicopter repairs Monday through Saturday.
VR#34	03/12/2009	03/12/09	1	Work on Sunday March 15 <sup>th</sup> in order to complete the permanent transfer of the temporary shoofly transmission structures to the new permanent Antelope-Pardee 500 kV double- circuit transmission line, Segment 1, Section 1.
VR #35	03/21/09	03/26/09	2	New Access Road to Tower 83, Segment 2
VR #36	03/09/09	03/31/09	1	Heavy-lift helicopter Segment 1 Section 2 allows for the sky crane to begin flying at 6am for two ten days operations and to fly on one Sunday for each operation. Fly yards outside the ANF will also be used: Upper Pumpkin Yard, Hydrant and Reitano.
VR #37	03/30/09	03/31/09	1	Installation of an underground conduit near Tower 11, Section 1.
VR #38	04/06/09	Under review	2	Guardpole relocation near hijack towers 34A and 37.

**TABLE 3**  
**TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS**  
(Updated 04/07/09)

TEWS Request	Date Requested	Date Approved	Segment#	Description
TEWS 1	05/15/08	05/16/08	1	Extra Workspace for steel placement outside of disturbance limits adjacent to New Construct tower (NC 3) in Section 1.
TEWS 2	05/19/08	05/21/08	1	Extra Workspace for steel placement adjacent outside of disturbance limits to New Construct tower (NC 12) in Section 1.
TEWS 3	05/20/08	05/20/08	1	Extra Workspace for equipment parking outside of disturbance limits along shoulder of private road adjacent to New Construct tower (NC 2) in Section 1.
TEWS 4	05/27/08	05/27/08	1	Access for crew trucks to 66 kV wreck-out tower 6-1.
TEWS 5	07/03/08	07/16/08	1	Extra Workspace for steel placement and tower assembly near NC 12.
TEWS 6	09/04/08	09/04/08	1	Use of Staging area adjacent to NC 2 in Section 1.
TEWS 7	09/04/08	09/04/08	1	Use of dirt road adjacent to ten acre yard, Section 3.
TEWS 8	09/11/08	09/11/08	1	Helicopter landing site, Section 3.
TEWS 9	09/18/08	09/18/08	1	Use of 3 acres of disturbed land adjacent to the Lower Pumpkin Yard.
TEWS 10	10/03/08	10/03/08	2	Use of 2 acres of disturbed land in the Lane Ranch for parking equipment, Segment 2.
TEWS 11	12/05/08	12/05/08	1	Overland travel access in disturbed areas for 12 kV pole removals.
TEWS 12	01/15/09	01/15/09	1,2 and 3	400-foot by 400-foot disturbance area for the MV 88-T1A lift structure and a 100-foot radius disturbance area on the two Midway Vincent #3 structures to the north and to the south of the lift structure.
TEWS 13	01/29/09	01/29/09	2	Extra Workspace for steel placement outside of disturbance limits adjacent to tower 2 Segment 2.

## NON-COMPLIANCES & INCIDENTS

A summary of Project Memorandum, Non-Compliance Reports, and other incidents to date are provided in Table 4.

**TABLE 4**  
**NON-COMPLIANCES, PROJECT MEMORANDA, AND OTHER INCIDENTS**  
 (Updated 04/07/09)

Type	Date	Location	Description
Project Memorandum	03/25/08	Segment 1, Section 1	Deposition of soil into drainage at Soil Disposal site.
Project Memorandum	04/18/08	Segment 1, Section 1	Encroachment into Environmentally sensitive area during stringing operations.
Project Memorandum	04/30/08	Segment 1, yards	No clearance surveys of construction yards being conducted during bird nesting season.
Project Memorandum	05/21/08	Segment 1, Section 1	Inaccurate and incomplete resource maps.
Project Memorandum	08/06/08	Segment 1, Section 3	Completion of 12 kV wreck-out of 21 poles outside of disturbance area prior to Variance approval.
Incident	09/10/08	Segment 1, Section 3	Spill resulting from overturned cement truck. Incident report documenting spill amounts submitted on October 15.
Incident	10/13/08	Segment 1, Section 1	Spill resulting from overturned portable toilets at the Pottery Yard during high winds. The CPUC EM was not notified until a spill report was submitted on October 30. Spill was not cleaned up until the next day.
Incident	10/15/08	Segment 2	66 kV crews delivered materials to the right-of-way before disturbance areas had been flagged and biologically surveyed.
Incident	10/16/08	Segment 1, Section 3	Spill resulting from a broken hydraulic hose. Incident report pending.
Incident	11/06/08	Segment 1, Section 3	12 kV underground crews began work before disturbance areas had been flagged and biologically surveyed.
Incident	11/18/08	Segment 1, Section 2	No topsoil was separated prior to grading near NC 33.
Non-Compliance	12/01/08	Segment 1	Construction vehicles crossing through flowing waters of Bouquet Creek to access the Pumpkin Yard.
Non-Compliance	12/03/08	Segment 2	SCE 66 kV crews working without notifying Environmental staff and no disturbance areas had been flagged.
Incident	12/17/08	Segment 1, Pumpkin Yard	Jet fuel, diesel, and other hydrocarbon spill resulting from helicopter accident. Incident report submitted December 29.
Project Memorandum	01/23/09	Segment 2	Heavy equipment causing ground disturbance within Environmentally Sensitive Area (ESA).
Incident	01/27/2009	Segment 2 Avenue I Yard	Diesel spill approximately 15 to 20 gallons from a subcontractor diesel truck. 30-40 tons of contaminated soil was removed.
Incident	02/02/09	Segment 2	Five gallon spill of antifreeze on Access Road 55.
Incident	02/04/09	Segment 2	Less than one pint of diesel fuel was spilled on the access road to Structure 47; approximately five gallons of contaminated soil was collected.
Incident	02/04/09	Segment 2	One quart hydraulic fluid spilled at Structure 22 when backhoe tipped over.
Incident	02/05/09	Segment 1, Section 2	Hydrant Yard - excavator for steel disassembly blew out a hydraulic line spilling one quart of fluid.
Incident	02/05/09	Segment 2	Diesel theft from Terex crane at Structure 5 resulted in ½ to 3 gallon spill.

Type	Date	Location	Description
Incident	02/11/09	Segment 2	Unknown hydrocarbon soil stain approximately 1 square foot all contaminated materials removed near Const 24.
Incident	03/06/09	Mojave Yard	Hydrocarbon staining from leaking equipment in storage yard.
Incident	03/09/09	Segment 1	1 cup hydraulic spill at Lower Pumpkin Yard, Segment 1.
Incident	03/09/09	Segment 1 Section 2	¼ cup hydraulic spill at Tower 60, Section 2 ANF.
Incident	03/09/09	Segment 1 Section 2	Form oil staining on ground near Towers 33, 34, and 36 on Section 2, ANF.
Incident	03/10/09	Segment 2	Oil staining from equipment within Avenue J yard.
Incident	03/12/09	Segment 1 Section 2	Micro-trash observed in several steel assembly areas on Section 2, ANF.
Incident	03/13/09	Segment 2	Transmission oil spill at Tower 43, Segment 2.
Project Memorandum	03/19/09	Segment 3A	Road staking crews entered an Environmentally Sensitive Area while flagging new access roads.
Incident	3/24/09	Segment 2	Diesel spill at Tower 71.
Incident	3/26/09	Section 1, Segment 1	Wire removal next to active scrub jay nest with no biological monitors present.

## PROJECT PHOTOGRAPHS



**Figure 1:** Dropped wire between wreck-out towers 14 and 15 in Section 1. The red arrow shows the location of an active scrub jay nest. Wires were dragged immediately adjacent to the nest with no biological monitors present.



**Figure 2:** Pouring foundations in Segment 2.



**Figure 3:** Steel assembly at Tower 28 in Segment 2.



**Figure 4:** Tire tracks showing the route driven by PAR road staking crews in Segment 3A. The red arrow indicates the location of an occupied burrowing owl burrow. A Project Memorandum was issued to SCE for the impacts to Environmentally Sensitive Areas in Segment 3A.