



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:** February 12, 2009  
**Subject:** Weekly Reports # 54 and 55: January 18 to January 31, 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 line) of the Antelope Pardee Transmission Line Project authorized under NTP #5 was energized on May 10<sup>th</sup>. The lattice tower structures originally supporting the line are being replaced to accommodate construction of the new Antelope Pardee 500 kV structures within the Shoofly corridor.

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 lattice towers, and the removal of the existing 220 kV Santa Clara Vincent line and towers. Construction activities under NTP #7 during the subject period consisted of the following activities.

1. Wire pulling between Towers 16 and 25 crossing Haskell Canyon and the Los Angeles Department of Water and Power (LADWP) transmission corridor continued during the subject weeks. On January 30<sup>th</sup>, the lines were clipped in and dead ended at tower 25 during the LADWP scheduled outage and under Variance #27 from the CPUC permitting work to proceed on Sundays.
2. Along the Saugus–Del Sur 66 kV line all towers have been dismantled and removed in Section 1.



**Environmental Compliance:**

1. PAR crews have discontinued use of the Lower Pumpkin Yard along Bouquet Canyon Road accessed across a crossing of Bouquet Creek. Permission to access this yard is conditioned by the CDFG and the CPUC only when stream flows were not present in Bouquet Creek, which is potential habitat for an endangered fish species. If water is present, crews are not permitted to cross the drainage and are required to notify CDFG and the CPUC. Given recent rain events, intermittent flows of the creek are occurring and as a result, PAR has decided to discontinue use of the yard for now.

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 during Construction:**

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:

<b>Date</b>	<b>Project Activity Level (PAL)</b>	<b>Activity Allowed/Conducted</b>
Sunday, January 18	EV	Work is allowed with restrictions
Monday, January 19	EV	Work is allowed with restrictions
Tuesday, January 20	EV	Work is allowed with restrictions
Wednesday, January 21	EV	Work is allowed with restrictions
Thursday, January 22	D	Work is allowed
Friday, January 23	A	Work is allowed
Saturday, January 24	A	Work is allowed; roads are closed due to rain event
Sunday, January 25	A	Work is allowed; roads are closed due to rain event
Monday, January 26	A	Work is allowed; roads are open
Tuesday, January 27	B	Work is allowed
Wednesday, January 28	D	Work is allowed
Thursday, January 29	D	Work is allowed
Friday, January 30	D	Work is allowed
Saturday, January 31	D	Work is allowed

1. Construction of Spur Road 52 continued during the subject weeks and was completed on January 29<sup>th</sup> after a road change alignment Level 1 was approved by the ANF. SR 73 grading started on January 28<sup>th</sup> after the biological clearance sweeps were completed before construction.
2. Brush clearing crews cleared disturbance areas at several tower sites including Towers 62, 63, 64 and 65. All of these are only accessible by helicopter.
3. Footing preparation crews hand dug footing bases at tower locations 53, 55, 56, 57, 58,59, 60, and 61. The hand excavations are taking place prior to the mobilization of the micropiling crews. Micropile crews mobilized drilling equipment to Towers 29, 30, 35, 40, 42, and 45.
4. Mowing of Assembly Helicopter Sites (AHS) 15, 15b, 16, 17, and 19 occurred during the subject weeks. Helicopter Landing Zones 25, 26, 32, and 33 were also cleared of vegetation after a Level 1 change requested by PAR was approved by the ANF.
5. On Sunday, January 18, United crews (PAR subcontractor) started removing the 66 kV lattice towers from the National Forest Lands and all towers were removed during the subject weeks (see Figure 1).
6. PAR requested a Level 2 change in the location of Wire Stringing Site (WSS) 20 at tower location 41 which was granted by the ANF Permit Administrator.

### **Environmental Compliance**

1. 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. Two more wheel wash stations have been set up at the entrance to Spur Roads 41 and 52. 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.
2. 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. Also, measures are being taken in order to keep dust to a minimum.
3. Marking of Landing Zones with sandbags has been discontinued as requested by the ANF.
4. Wash logs for the first half of January for the Pumpkin Yard wash station were received by the ANF and CPUC for review.
5. On December 9, George Geer, Fire Inspector for the ANF noticed that the fire clearance between construction equipment and vegetation was insufficient and notified PAR fire personnel. Procedures were implemented to address this situation.
6. PAR Fire Marshall, Richard Schmitz, requested the use 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. Erosion control measures must be in place as the Spur Roads are being built in the ANF.
8. On January 29, a small fuel spill involving a chainsaw on the ANF occurred. The spill report was received the following day and the site was cleanup and all contaminated soils were removed by PAR crews.
9. Two heron nests were removed from two 66 kV lattice towers within LADWP property on Bouquet Reservoir prior to tower removal as approved by the CDFG. Nests will be relocated by SCE to nesting platforms in a nearby area.

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 (in addition to ANF):**

Dan Blankenship CDFG

**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>. 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. Grading, foundation drilling, and set-up of the 500 kV towers started on August 20<sup>th</sup>. Tower assembly took place on several lattice towers near the Antelope Substation. In Section 3, a combination of single circuit lattice towers and tubular steel poles are used to support the new 500 kV line.
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.
3. Assembly at Towers 88-91 continued and are near completion.

**Environmental Compliance**

1. A small fuel spill of approximately one cup occurred between Towers 88 and 89. Crews relocated equipment and performed soil cleanup. A Spill Report from SCE is pending.
2. Two more small fuel spills occurred in Segment 2, one involving less than half a cup near Tower 24, and two cups of gasoline from a truck parked on an incline on Tower 25. Spill reports are pending.

No CPUC Non-Compliance Reports (NCR) or Project Memoranda (PM) were 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:**

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. SCE construction crews restarted the work on the 66 kV relocation components on January 5<sup>th</sup>. All but two of the wood poles #93 and #94 were set during the subject weeks. Wire stringing was started on the western portion of the project and continues.
2. Construction of the 500 kV portion of Segment 2 started on January 10<sup>th</sup> between the Antelope Substation and the California Aqueduct. Near the Vincent Substation road work and site preparation started on January 19<sup>th</sup> for Towers 114, 120, and 121 (see Figure 2).
3. Road building and site preparation between Towers 17 and 21 was started on January 16<sup>th</sup>. Road building and site preparation between Towers 38 and 52 and Towers 111 and 108 continued during the subject weeks.

### **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. 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 with the exception of an area between Towers 80-85.
3. On January 22<sup>nd</sup> the CPUC EM was notified that two incidents occurred within a designated Environmentally Sensitive Area (ESA) for cultural resources between Towers 38 and 39. Two heavy equipment machines entered the ESA and conducted ground disturbing activities (see Figure 3). Cultural resource monitors immediately stopped the operators from further ground disturbing activities within the ESA. A Project Memoranda was issued to SCE as a consequence of these two incidents.

No Non-Compliance Reports were issued by the CPUC EM for the subject week for work being conducted within Segment 2. One Project Memorandum was issued in Segment 2 for ground disturbing activities taking place within a cultural resource ESA. Non-Compliance activities for the project to date are summarized in Table 4 near the end of this report.

### **Agency Representatives during Construction:**

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 3 are in the condemnation process. No construction activities have taken place to date.

**Summary of Activity/Environmental Compliance:**

1. Archaeological testing of CA-KER-2821/H has been completed. A second site (PL-SCE-Tehachapi-38) was tested on October 31<sup>st</sup>. A plan documenting the results of the testing has not been submitted to the CPUC. This document has to be received and approved prior to work in these areas.
2. Results of the evaluation of archaeological site CA-LAN-3724 (formerly designated PL-SCE-Tehachapi-38) were submitted to the CPUC/Aspen for review on December 12.
3. Letter Report of CA-KER-2821/H and the Windhub Substation 12 kV component was received for evaluation on January 27<sup>th</sup> by CPUC/Aspen.
4. Protocol level surveys for Western burrowing owls are required within 30 days of construction.

**Agency Representatives during Construction:**

None.

## 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 02/12/2009)

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
<b>CPUC NTPs</b>				
#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.
#15	09-24-08	09/24/08	1	Removal of the 66 kV conductor 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.
<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

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
	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 02/12/09)

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.
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).



Variance Request	Date Requested	Date Issued	Segment #	Description
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 crossing.
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
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.

**TABLE 3**  
**TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS**  
(Updated 02/12/09)

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 02/12/09)

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).

## PROJECT PHOTOGRAPHS



**Figure 1:** 66 kV tower removals in Section 2, Segment 1 on the ANF.



**Figure 2:** Site preparation of Tower 120, Segment 2.



**Figure 3:** Heavy equipment tracks after ground disturbance within ESA, Segment 2.