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**PROJECT MEMORANDUM
SCE EL CASCO SYSTEM PROJECT**

To: Lynne Mosley, CPUC
From: Vida Strong, Aspen Project Manager
Date: January 28, 2010
Subject: Report 42: December 19, 2010 – January 22, 2011

CPUC ENVIRONMENTAL MONITOR (EM): Justin Wood

CPUC EM Justin Wood was on site January 14th. Work was limited during the beginning of the subject period due to inclement weather and the holidays.

The SCE El Casco Project includes the following components:

- Construction of the new El Casco 220/115/12-kilovolt (kV) Substation within the Norton Younglove Reserve, Riverside County, California;
- Replacement of approximately 15.4 miles of existing single-circuit 115 kV subtransmission lines with new, higher capacity single-circuit 115 kV subtransmission lines and replacement of support structures within existing SCE ROWs in the Cities of Banning and Beaumont and unincorporated Riverside County;
- Rebuilding 115 kV switchracks within Zanja and Banning Substations in the Cities of Yucaipa and Banning, San Bernardino and Riverside Counties, respectively;
- Installation of telecommunications equipment at the El Casco Substation; and
- Installation of fiber optic cables within public streets and on existing SCE structures between the Cities of Redlands and Banning in San Bernardino and Riverside Counties, respectively.

The following compliance and construction activities occurred during the subject period:

EL CASCO SUBSTATION

During the subject period, limited work on the substation pad continued. Crews continued the testing of electrical equipment and conducting various activities within the substation limits (see Figure 1). Crews repaired portions of the access road that were damaged during the heavy rain event that occurred during the subject period and crews also paved the main access road to the substation (see Figure 2). Crews have not yet paved the access roads within the substation walls. During paving activities, vehicles used the old access road to enter the substation. The perimeter walls have been completed and access into the substation is limited to three points.

Horizontal directional drilling (HDD) has been completed. Herman-Weissker, the HDD contractor, finished pulling conduit through each of the three bore casings, as well as trench work to vaults on San Timoteo Canyon Road. Cable installation is expected during the next subject period.

BANNING SUBSTATION

Work has been completed at the Banning Substation.

ZANJA SUBSTATION

Erosion control hydroseeding with a native plant mix was applied on September 17th. The hydroseeded area continued to be watered every 3 days, but little to no germination has taken place. A second hydroseed, utilizing the same seed mix and disking of the top soil took place the week of December 6th.



115-kV SUB-TRANSMISSION LINE REPLACEMENT

The NTP request for the 115 kV sub-transmission work was submitted to CPUC by SCE on March 3, 2009. On January 5, 2010, NTP #7 was issued to begin construction of Segment 3 while pending submittals and analysis for the other segments are being processed. Segment 3 is a one-to-one pole replacement within the Sun Lakes Development in Banning between Highland Springs Road and Highland Home Road. Work has been completed on Segment 3.

Notice to Proceed #8 for construction of Segments 5 through 8 was issued by CPUC on July 19th. Work on Segment 8 began on October 26th. All pole foundations on Segment 8 have been completed and installation of tubular steel poles is underway (see Figures 3 & 4).

NTPs for the remaining portions of the sub-transmission work are currently on hold pending review of the final design of Segments 1, 2 and 4. Maps of the new pole locations have been prepared by SCE and have been distributed to CPUC/Aspen personnel for review. A site visit was held July 8th and a follow up meeting was held on August 10th. CPUC has concluded that an SEIR is required, which is currently under preparation.

CONSTRUCTION YARDS & OTHER WORKSPACE NEEDS

Variance Request #1 for a laydown yard immediately south of SCE's existing Maraschino Substation in the City of Beaumont, Riverside County, was requested on April 1 and approved by CPUC on April 16, 2009. Construction of the laydown yard began on May 28 and was completed by June 12, 2009. The yard is currently being used for the storage of materials, including transmission towers.

No requests for additional construction yards or other workspace needs have been submitted to date.

ENVIRONMENTAL COMPLIANCE

- Biological and other mitigation monitoring continued to be provided by NRC and Chambers Group, respectively. During the subject period, neither cultural resource nor paleontology monitoring was required. NRC and Chambers monitors were continually present during mobilization/construction at the El Casco Substation, at the HDD bore site along San Timoteo Canyon Road, and at the subtrans work on Segment 8.
- Equipment was continually checked for air pollution control compliance. The Chambers monitor continued to check equipment for leakage. Dust control, when necessary, was maintained by water trucks at the El Casco Substation. Additionally, track-out was minimized by continual use of a street sweeper on San Timoteo Canyon Road.
- Fiber rolls were installed on the hillsides at several subtrans pole locations in response to Stormwater Pollution and Prevention Plan (SWPPP) issues.
- During the subject period, the project area received approximately a week of heavy rainfall that resulted in localized flooding and damage to the main El Casco Substation access road. After the storm, all SWPPP BMPs were inspected and reinstalled in preparation for any future storms.
- Security is on duty at the entrance gate to the El Casco Substation site twenty-four hours, seven days per week. Additionally, cones block entrance to the site, because visitors were not stopping at the guard station to identify themselves. Temporary security cameras have also been installed in the construction area, the trailers and storage yard.
- It has been previously noted that the permanent V-ditch that had been constructed along the periphery of the substation site may have the potential for wildlife entrapment. In response, SCE has decided to remove the existing v-ditch and replace it with a new design that has a more gradual sloping side to allow wildlife to enter and exit the v-ditch more easily. Construction on the v-ditch began during the subject period with the removal of the existing v-ditch.

Table 1 provides a summary of the Non-Compliance Reports (NCRs) and Project Memorandum (PM), and other incidents (i.e., spills, etc.) for the SCE El Casco System Project.

TABLE 1
NCRs, PROJECT MEMORANDUM, & OTHER INCIDENTS
(Updated 01-28-11)

Type	Date Issued	Description
PM #1	03/16/09	Failure to comply with Mitigation Measure B-18 before, during and after vegetation clearing at the El Casco Substation site. Construction equipment went outside of approved Project boundaries.
	8/21/09	A SCE internal noncompliance at the Banning Substation was issued for mobilization of the site before environmental training and biological pre-construction sweep were conducted.
PM #2	8/27/09	The initiation of construction activity before CPUC authorization and validation of the biological survey at the site of the NTP #3, MOD #1 pole work in Banning.
PM #3	01/14/10	Use of an unapproved area for staging and parking at the Zanja Substation site.
PM #4	03/16/10	Riparian work during nesting bird season along El Casco Substation access road.
PM #5	04/16/10	Installation of a Section of Fiber Optic Cable without CPUC Notification of Route Change or Prior Biological Survey
Incident	06/21/10	SCE O&M grading on restricted access road.
PM #6	8/11/10	Construction activity without a Biological Monitor present within 500 ft. of the riparian corridor, and no noise monitoring.

NOTICE TO PROCEED (NTP) SUMMARY

Table 2 summarizes the NTPs submitted, reviewed, and issued to date for the SCE El Casco System Project.

TABLE 2
NOTICES TO PROCEED
(Updated 01-28-11)

NTP #	Date Requested	Date Issued	Description
#1	02/20/09	02/23/09	Vegetation clearing activities at the future El Casco Substation Site located in the Norton Younglove Reserve Area in Riverside County.
#2	05/15/09	05/22/09	Construction of the underground fiber optic elements of the El Casco System Project in the Cities of Banning and Beaumont.
#3	04/10/09	08/13/09	Banning Substation
#3 Mod #1	08/21/09	08/26/09	Modify work within Banning Substation and add work at 3 existing transmission poles located outside of the substation.
#4	03/05/09	8/27/09	Fiber optic cable installation, remaining (see NTP #2).
#4 Mod #1	09/30/09	10/02/09	Tree trimming.
#5	05/08/09	8/27/09	El Casco Substation construction.
#6	06/19/09	12/02/09	Zanja Substation
# 6 Mod #1	08/13/10	8/23/10	Replace old lattice tower with lightweight steel pole outside of Zanja Substation.
#7	12/17/09	01/05/10	Segment 3 of 115 kV subtrans element.
N/A	06/19/09	N/A	Mill Creek Communication Site – requested work suspended.
#8	02/26/09	07/19/10	Segments 5-8 of the 115 kV subtrans element.
	03/03/09	Under Review ¹	115 kV Sub-transmission lines replacement, Segments 1, 2 & 4.
Addendum	12/06/10	12/14/10	Permanent road extensions to two pole locations along subtrans Segment 8.

1. SEIR under preparation.

VARIANCE & TEWS REQUEST SUMMARY

Tables 3 and 4 summarize the Variance and Temporary Extra Workspace (TEWS) Requests submitted, reviewed, and issued to date for the SCE El Casco System Project, respectively.

TABLE 3
VARIANCE REQUESTS
(Updated 01-28-11)

Variance #	Date Requested	Date Issued	Description
#1	04/01/09	04/16/09	Usage of an empty fenced lot immediately south of SCE's existing Maraschino Substation, Beaumont, Riverside County, as a laydown yard to support Project construction.
#2	10/01/09	10/09/09	Placement of two water tanks and above ground pipe to feed water needs at the El Casco Substation site.
#3	09/30/09	10/15/09	FOC Temporary Circuitry: Banning and Calimesa Shoo Flies.
#4	09/30/09	10/15/09	Alternate Access to the Banning Substation from John Street.
#5	09/22/09	10/23/09	SCE has asserted within the variance request that several Geo & Hydro Mitigation Measures should not be required for the 115 kV Subtransmission Line Element.
#6	10/23/09	10/27/09	Installation of a Portable Fuel Tank at the El Casco Substation site.
#7	10/27/09	10/29/09	Project Description change from underground to overhead installation for fiber optics circuitry along Colton Avenue in the vicinity of the Mentone Substation.
#8	10/29/09	10/29/09	Removal of five Fremont cottonwood trees that are impacted by the construction of the access road to the El Casco Substation site.
#9	01/11/10	01/12/10	Sunday work on FOC shoo-fly segment during scheduled line outage.
#10	01/14/10	01/19/10	Use of the area east of the Zanja Substation fence line for parking and staging purposes.
#11	06/24/10	06/25/10	Sunday work on the FOC installation across Interstate 10 during minimum freeway traffic hours.
#12	07/22/10	07/23/10	Sunday work on the FOC installation across Highway 60 and Western Knolls Avenue during minimum freeway traffic hours.
#13	08/05/10	08/06/10	Nighttime deliveries of 220/115 kV transformer banks on August 13 th and August 17 th .
#14	09/8/10	09/13/10	Extended work hours to conduct the transfer of 50,000 gallons of oil into the two 220/115 kV transformer banks at ECSP
MOD #14	10/7/10	10/8/10	Extended work hours to conduct the transfer of oil into two additional 220/115 kV transformer banks at ECSP
#15	11/12/10	11/16/10	Extended work hours to conduct telecom splicing work and well pump testing at ECSP

TABLE 4
TEMPORARY EXTRA WORK SPACE REQUESTS
(Updated 01-28-11)

TEWS #	Date Requested	Date Issued	Description
#1	04/17/09	04/23/09	Fiber Optic material storage at the pre-existing Zanja Substation, Yucaipa, San Bernardino County
#2	07/20/09		Staging area in a vacant lot north of First Street and west of Highland Springs Road.
#3	02/04/10	02/05/10	Distribution line crew access through an adjacent privately owned field to set equipment on existing poles.

PROJECT PHOTOGRAPHS



Figure 1: View of activities with the El Casco Substation. The photograph faces west.



Figure 2: View of paving activities at the El Casco Substation access road. The photograph faces west.



Figure 3: View of tubular steel poles being installed just south of the El Casco Substation. The photograph faces southwest.



Figure 4: View of recently installed tubular steel poles just south of the El Casco Substation. The photograph faces north.