



# **Aspen** *Environmental Group*

## **PROJECT MEMORANDUM SCE – VIEJO SYSTEM PROJECT**

**To:** Jensen Uchida, CPUC  
**From:** Vida Strong, Aspen Project Manager  
**Date:** September 21, 2005  
**Subject:** Weekly Report #58, September 11 – September 17, 2005.  
**CPUC Environmental Monitor (EM):** Christopher Meyer

The CPUC EM conducted a site visit on September 13<sup>th</sup> and reviewed the substation, 220 kV, and 66 kV construction activities, and Best Management Practices (BMPs). Construction activities within the substation site are close to completion and only minor work was occurring within the substation site during the site visit.

### **SUBSTATION CONSTRUCTION**

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

1. A small crew with KGC worked to install a portion of the fiber optic system that will monitor the temperature of the underground conduit leading from the substation site (see Figure 1). The crew used a small combination machine to excavate the trench west from MEER #2.
2. Two workers from the fencing subcontractor repaired a section of the fence on the east side of the substation site damaged during construction (see Figure 2).
3. No progress was observed on the water line leading into the substation site during the subject week. Sections of the open trench on the south end of the access road have been covered with steel plates for safety and to provide access. SCE engineers are working to get the permits so that the water line work can resume.
4. The 220 kV section of the substation site has been marked off with caution tape now that it is energized. The several sections of the 66 kV portion of the site, which are energized, have been surrounded with cyclone fencing and caution tape as well. With the completion of the majority of the civil work, the remaining crews at the substation site have experience working in energized stations. SCE previously provided the CPUC EM with an orientation on visiting an energized station.

#### **Environmental Compliance:**

1. All operations observed by the CPUC EM were in compliance with mitigation measures adopted in the MND and other permitting requirements.
2. Straw waddles have been placed at the end of the driveway to prevent sediment from entering the public right-of-way and keep it away from storm drains during trenching for the water line.
3. SCE has removed many of the BMPs in order to complete the paving within the substation site. Sediment and erosion control devices were on-site to address any unexpected precipitation.
4. The temporary generators outside MEER #1 have been placed in a visquine lined berm to prevent the spilling of fuel.
5. The site vegetation has been removed from the substation site and a LSA Environmental Inspector (EI) has not been on-site full-time. Several fossils have been discovered and collected for examination by the paleontologist during the course of the project. The majority of the excavation has been completed on the substation site and no fossil discoveries were reported during the subject week.

## **220 kV TRANSMISSION LINE SEGMENT**

### **Summary of Activity:**

No work was observed on the 220 kV transmission line segment during the site visit.

### **Environmental Compliance:**

1. The invasive plant species in the recontoured area of the 220 kV right-of-way, adjacent to the native plant communities, have been removed by SCE without disturbing the native species. The area adjacent to the project is dominated by native species and is part of a habitat conservation area.
2. Several sensitive bird species have been noted in the habitat adjacent to the 220 kV right-of-way. The SCE biologist will work with the crews to avoid any impact to the habitat or disturbance of the nesting birds if any work resumes in the area.

## **66 kV TRANSMISSION LINE SEGMENT**

### **Summary of Activity:**

NTP #3, for the 66 kV work within the City of Lake Forest, was issued on February 1, 2005 and NTP #4 was issued on April 19, 2005 for the remaining 66 kV H-structures. Only one crew was working on the 66 kV segment during the site visit. Construction is occurring on the 66 kV line near the substation and within Mission Viejo, south of the 241 toll-road (NTP #4). The structures are numbered 1 through 13, with Structure 13 immediately adjacent to the Viejo Substation.

1. An SCE transmission line crew worked in Olympiad Park with a man-lift and a large crane to attach the cross-members to connect the two steel poles that make up the H-Structure (see Figure 3). A section of the park was fenced off during the operation and plates were placed to distribute the weight of the crane on the grass.

### **Environmental Compliance:**

All work observed on the 66 kV right-of-way during the site visit was in compliance with the mitigation measures adopted in the MND and other permitting requirements. Exclusion fencing has been placed between the work areas and sensitive avian habitat along the 66 kV right-of-way.

BMPs have been placed at the base of the guard structures to prevent the loose material from being transported onto the public right-of-way (see Figure 4).

### **NOTICES TO PROCEED (NTP):**

NTP #1 was approved for substation construction by the CPUC on July 15, 2004, and NTP #2 was approved for the 220 kV upgrade on September 29, 2004. NTP #3 for 66 kV within the City of Lake Forest was issued by CPUC on February 1, 2005. NTP #4 for the remaining 66 kV H-structures (Mission Viejo and City of Lake Forest) was issued by CPUC on April 19, 2005. No additional NTPs are anticipated.

### **VARIANCE REQUESTS:**

No variance requests were submitted for review during the subject week.

**UPCOMING ITEMS:** None.

**AGENCY PERSONNEL CONTACTS:** None.

## Photographs



**Figure 1** – KGC trenched west from MEER #2 to install fiber optic cable that will monitor the temperature of the underground conduit.



**Figure 2** – The fencing subcontractor repaired damage to the eastern fence during the site visit.



**Figure 3** – The SCE transmission line crew worked to attach the cross-members to the H-Structure in Olympiad Park.



**Figure 4** – BMPs have been placed at the base of the guard structures.