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**PROJECT MEMORANDUM
DELTA DPA CAPACITY INCREASE SUBSTATION PROJECT**

To: Junaid Rahman, CPUC
From: Vida Strong, Aspen Project Manager
Date: November 7, 2008
Subject: Report #34: September 28, 2008 – October 31, 2008

CPUC ENVIRONMENTAL MONITOR (EM): Jody Fessler

CPUC EM Jody Fessler was on site Wednesday, October 29th.

Summary of Activity:

During the week of September 28th through October 4th, environmental monitoring/inspection of the site and construction operations was conducted by PG&E's Environmental Inspectors (EIs) on Tuesday and Friday. Work was confined to the substation workspace and the project access road. Imported gravel was spread and the finish grade was established inside the substation fencing.

During the week of October 5th through October 11th, environmental monitoring/inspection of the site and construction operations was conducted by PG&E's EIs on Tuesday, Wednesday, and Thursday. Work was confined to the substation workspace and the project access road. Crews continued grading inside the fenced substation and, at the end of the week, crews worked on the access road in front of the substation between the landscape berms. Imported base rock was spread, and then compacted with a roller. A water truck was used to help with compaction and to suppress dust. Additional base rock was hauled inside the fence for development of the substation access road. Throughout the week, PG&E Electricians worked in the switchgear and MPAC building, continuing to prepare the substation for unmanned operation.

During the week of October 12th through October 18th, environmental monitoring/inspection of the site and construction operations was conducted by PG&E's EIs on Tuesday and Friday. Work was confined to the substation workspace and the project access road. Crews continued grading inside the substation. Imported crushed stone was spread, and then compacted with a roller. A water truck was used to help with compaction and to suppress dust. They also constructed the bioswale along the southern boundary of the station, excavating a trench, installing perforated drain pipe and drain rock, and contouring the swale to capture runoff from the adjacent hillside. Crews also constructed concrete curbs near the SPCC pond. Early in the week, they prepared excavations and constructed forms for the curbs, then poured them later in the week. Excavations were ramped to allow a wildlife escape route. PG&E Electricians continued work in the switch gear building, preparing the substation for unmanned operation.

During the week of October 19th through October 25th, environmental monitoring/inspection of the site and construction operations was conducted every day due to the start of the landscaping work and the activities occurring outside the substation yard. The landscaping project for the berms around the substation began on Monday. Throughout the week, an underground water system was laid out, trenched and lined with waterlines and wires to control the water valves. All trenches were ramped to allow an escape for wildlife. Another crew made repairs to the bioswale along the access road where the drain had been exposed. All workers stayed inside the exclusion fencing. A road grader and scraper were used to do some final grading within the substation fence in preparation for paving. A fencing company arrived on Friday and began to install the guardrails on the bridge approaches. The crew used a tractor-mounted auger to drill holes for support posts and immediately backfilled them after installing the posts. PG&E Electricians continued work in the switch gear building, preparing the substation for unmanned operation.

During the week of October 26th through October 31st, environmental monitoring/inspection of the site and construction operations was conducted every day. Landscaping of the berms continued with crews completing



installation of the irrigation system and planting trees (see Figure 1). Root bubblers were installed in each tree hole excavation and the backfill was supplemented with fertilizer and organic soil mix. Another crew completed repairs to the bioswale along the access road Monday, replacing a broken concrete catch basin by the staging area east of the bridge. Imported road base was delivered, spread, and compacted inside the station to establish final grade in preparation for paving (see Figure 2 and 3). The paving operation took place on Thursday. The fencing crew continued work on the bridge approach guardrails, completing installation Thursday as required by project permits (see Figure 4). PG&E Electricians continued work inside the substation this week, preparing for stringing conductors to the second dead-end structure.

Environmental Compliance:

The CPUC EM observed that all work activities were in compliance with the approved Mitigated Negative Declaration and other permit requirements. Erosion controls were in place at all of the work areas. Heavy equipment was parked overnight in a designated area within the substation boundaries. Watering of the work area and access road for dust control has been conducted several times daily as needed. Refueling was conducted in designated areas and spill response materials were on hand if needed. The CPUC EM reviewed PG&E EI daily reports and survey reports. Environmental training of crew personnel was on-going as new crew personnel came onto the site.

The first major precipitation of the season occurred late Thursday, October 30th, and showers continued through the weekend. The PG&E EI reported that there was no evidence of erosion or run-off from the landscape berms, and that the access road generally drained toward the bioswale installed along the edge of the road as intended. Surveys were conducted of the access road bridge area to see if there was any sign of amphibian activity; however, none was observed.

NOTICES TO PROCEED (NTP):

On August 30, 2007, NTP #1 was issued by the CPUC for the PG&E Delta DPA Project. On August 29, 2007, PG&E requested authorization from the CPUC to commence with the civil/structural construction of the PG&E Delta DPA Capacity Increase Substation Project. The Project includes a proposed electric substation site, a new loop segment of an existing 230 kV transmission line, a temporary asphalt road, and a temporary bridge over Sand Creek in eastern Contra Costa County, within the limits of the City of Antioch, California. PG&E requested that NTP #1 include all construction activities related to the access road, bridge, substation, and transmission tower, as well as an extra staging area and a variance to Mitigation Measure CR-1. No additional NTPs are anticipated for the project.

VARIANCE REQUESTS:

No Variance Requests were submitted for review during the subject week. Table 1 presents the Variance Requests reviewed and approved by the CPUC for the PG&E Delta DPA Project to date.

TABLE 1
VARIANCE REQUESTS
(Updated 11-7-08)

Variance #	Date Requested	Date Issued	Description
#1	7-26-07	8-30-07	Request to modify Mitigation Measure CR-1, which requires a 10-foot fenced protective buffer for the site boundary of CA-CCo-682H fronting on the improved access road for the Project. Approved under NTP #1.
#2	8-29-07	8-30-07	Request for a new laydown area south of the proposed access road as it veers southwest towards Sand Creek. Approved under NTP #1.
#3	10-17-07	10-17-07	Request to encroach 5 feet into the cultural buffer zone for the movement of equipment.
#4	10-30-07	10-30-07	Request to extend Sand Creek bridge work until November 3 and road work until November 9 (installation of wildlife exclusion fencing along road) as approved by USFWS. USFWS issuing amended BO that will allow work on access road throughout the winter.

SUMMARY OF ENVIRONMENTAL COMPLIANCE:

One Project Memorandum has been issued by the CPUC EM for the project to date. On October 17, 2007, the CPUC EM issued a Project Memorandum for the encroachment of equipment into the cultural buffer zone near the northern bridge foundation on October 15th.

No Non-Compliance Reports (NCR) have been issued by the CPUC EM for the project to date.

PHOTOGRAPHS



Figure 1 – Landscaping crew excavating holes for tree planting, October 29, 2008.



Figure 2 – Crews preparing gravel for paving inside the substation, October 29, 2008.



Figure 3 – View of substation looking north, October 29, 2008.



Figure 4 – View of bridge over Sand Creek looking east, October 29, 2008.