5020 Chesebro Road, Suite 200, Agoura Hills, CA 91301-2285
Tel. 818-597-3407, Fax 818-597-8001, www.aspeneg.com

PROJECT MEMORANDUM
PG&E WINDSOR SUBSTATION PROJECT

To: Eric Chiang, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: December 15, 2016
Subject: Monitoring Report #2 – December 5 to December 11, 2016

This report provides a summary of the construction and compliance activities associated with the PG&E Windsor Substation Project.

A summary of the Notices to Proceed (NTPs) for construction and Minor Project Change (MPC) activities are provided in Tables 1 and 2, respectively (below).

CPUC Environmental Monitor (EM): Jody Fessler was onsite December 7th and 9th

CPUC NTPs

Windsor Substation Site

NTP #1 was issued on June 15, 2016 for the Windsor Substation component of the Project, located at 10789 Old Redwood Highway in the Town of Windsor. NTP #1 included conditions that had to be satisfied prior to the start of construction. PG&E was allowed to start vegetation clearing and tree trimming prior to receiving their grading permit from the Town of Windsor. PG&E received the grading and building permits from the Town of Windsor on November 14, 2016.

Summary of Activity:

Demolition and excavation activities occurred throughout the week. Demolition activities consisted of removing the concrete pad, the concrete ramp at the northeast corner, portions of the asphalt surface, and concrete rubble buried in the center of the site. Concrete and grubbed vegetation were stockpiled, covered with plastic, and surrounded by fiber rolls, or hauled off site (see Figure 1).

Underground drainage pipes were removed and the trench was compacted. An underground tank, measuring approximately 7 by 10 feet and 6 feet deep, was unearthed (see Figure 2). A septic service pumped fluids from the tank, which was later determined to be a settling tank. As a temporary measure, the tank was covered with plywood and dirt was packed around the perimeter to prevent wildlife entrapment until removal.

Base rock was delivered, applied to access roads, and used to fill low areas within the site. Concrete slurry was poured into a large hole where a concrete pier was removed.

Traffic warning signs for construction were staged on Old Redwood Highway. The rumble strips and roadway at the entrance gate were swept, as needed, to control track-out. Additional fiber rolls and gravel bags were added around drain inlets along the north perimeter fence. Dust control was achieved using a water buffalo.

An office trailer was delivered to the site on Monday. Base rock, I-beam supports for the substation wall, and Mirafi geotextile were delivered to the site.

At the time of the CPUC EM's site visit on Wednesday, December 7th, and Friday, December 9th, crews were excavating and demolishing concrete (see Figure 3). The area received almost 2 inches of rain between Wednesday and Friday, which resulted in a lot of standing water in the middle of the substation site where excavations were taking place. Storm water from the site was also flowing in the direction of the drainage inlets on the northern perimeter of the site, and BMPs were installed around these drainage inlets (see Figure 4).

Environmental Compliance:

1. PG&E's Environmental Inspector (EI) was onsite each day work occurred and monitored all construction activities. No compliance issues were noted.
2. Special-status species observed by PG&E's Environmental Inspector (EI) included a Cooper's hawk (*Accipiter cooperii*), which was observed flying over the site.
3. SWPPP inspections by AHTNA were performed December 6th, 7th, 8th, and 9th.
4. On Wednesday, December 7th, the CPUC EM noted that two small generators near the office trailer did not have secondary containment. The CPUC EM notified the PG&E EI and the issue was rectified. The generators were observed to have secondary containment at the time of the CPUC EM's site visit on Friday, December 9th.
5. The CPUC EM observed that the site was neat and clean, and that SWPPP measures were in place. Silt fencing was installed around the wetland areas on the west and south sides of the substation site and was in good working condition. Environmentally Sensitive Area fencing was also installed around oak trees for protection. All observed work activities were in compliance with mitigation measures (MMs), Applicant Proposed Measures (APMs), and other permit requirements.

12 kV Distribution Line Underbuild and Reconductoring Work

NTP #2 request for the 12 kV distribution line underbuild and reconductoring work is expected to be submitted to the CPUC in January or February 2017.

Notices to Proceed

Table 1 summarizes the Notices to Proceed (NTP) for the Windsor Substation Project.

Table 1
Notice to Proceeds (NTPs)
(Updated 12/15/16)

NTP #	Date Requested	Date Issued	Phase	Description
NTP #1	5/17/16	6/15/16	Windsor Substation	Windsor Substation component of the Project.
	To be Submitted		12 kV Line Underbuild & Reconductoring	

Minor Project Changes

Table 2 summarizes the Minor Project Changes submitted for the Windsor Substation Project.

Table 2
Minor Project Changes (MPCs)
(Updated 12/15/16)

MPC #	Date Requested	Date Issued	Phase	Description
MPC #1	5/17/16	6/15/16	Configuration of the SPCC Pond and Stormwater Flow	Design change to Spill Prevention Control and Countermeasure (SPCC) retention pond and stormwater flow. MPC #1 was incorporated into NTP #1.
MPC #2	5/17/16	6/15/16	Use of Water Truck or Driwater Pods	Use of water truck or driwater pods instead of irrigation system for landscaping. MPC #2 was incorporated into NTP #1.
MPC #3	5/17/16	6/15/16	Replacement of Culverts	Replacement of culverts in existing roadways entering substation site and Herb Lane. MPC #3 incorporated into NTP #1.

PROJECT PHOTOS

Figure 1 – Substation site with stockpiles covered with plastic and surrounded by fiber rolls, December 7, 2016.

Figure 2 – Underground tank encountered, December 7, 2016.

Figure 3 – Demolition of existing concrete pads at substation site, December 9, 2016.

Figure 4 – Drainage inlets with BMPs installed on north side of substation site, December 9, 2016.