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PROJECT MEMORANDUM

PG&E EMBARCADERO-POTRERO 230 KV TRANSMISSION PROJECT

To: Billie Blanchard, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: October 17, 2014
Subject: Monitoring Report #4 – October 6 to October 12, 2014

This report provides a summary of the construction and compliance activities associated with the PG&E Embarcadero-Potrero (E-P) 230 kV Transmission 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 on site October 9, 2014.

CPUC NTPs

E-P Potrero Switchyard Site Preparation

NTP #1 was issued on August 21, 2014 for the site preparation of the Potrero Switchyard on 23rd Street adjacent to the existing Potrero Substation on the corner of 23rd Street and Illinois Street in San Francisco. NTP #1 included conditions that had to be satisfied prior to the start of construction.

Summary of Activity:

1. Well abandonment occurred on Monday.
2. PSC crews conducted demolition and removal of Structure 1, the retaining wall, and bollards on Thursday.
3. At the time of the CPUC EM site visit on Thursday, October 9th, PSC was on site conducting demolition and removal activities (see Figure 1). Debris was watered down before it was removed.
4. Archaeological monitoring was conducted on Thursday during ground disturbing activities.
5. Air quality monitoring was conducted on Thursday and Friday.
6. PG&E's Environmental Inspector conducted monitoring of this area throughout the week, including SWPPP inspections.
7. No work was conducted Tuesday, Wednesday, Saturday, or Sunday.

Environmental Compliance:

1. PG&E's Environmental Inspectors found work activities to be acceptable.
2. The CPUC EM noted that the observed work activities were in compliance with the mitigation measures (MMs), Applicant Proposed Measures (APMs), and other permit requirements.

E-P Horizontal Directional Drill (HDD) Construction

NTP #2 was issued on August 28, 2014 for the HDD Construction on Spear Street, at the northern end of the project, and 23rd Street, at the southern end of the project, in San Francisco. Both HDDs would terminate within the San Francisco Bay and will be tied together in the future via a subsea cable. NTP #2 included conditions that had to be satisfied prior to the start of construction, as well as prior to the start of any work in the Bay.



Summary of Activity at the Northern Bore (Spear Street):

1. The HDD equipment was moved from Bore #3 to Bore #2 on Monday and Tuesday.
2. Drilling activities were conducted Wednesday through Saturday at Bore #2 (see Figure 2).
3. A hookup to a water main at the GAP, Inc. occurred on Wednesday.
4. Traffic controls have been established at the corner of Spear Street and Harrison Street by Bay Area Traffic Solutions (BATS). Limited access is provided to Spear Street (a dead end street) including deliveries and people with parking garage permits, as well as construction personnel.
5. An 8-foot-tall chain link fence with sound blankets are in place around the HDD equipment and work area.
6. At the time of the CPUC EM site visit on October 9th, the HDD rig was staged at Bore #2, as well as supporting equipment (mud separator, generators, etc.). The bore had drilled about 150 feet at that time. A vac-truck was on site and a street sweeper was observed cleaning the work area.
7. PG&E's Environmental Inspector conducted monitoring of the work activities throughout the week, including SWPPP inspections.
8. No work activities were conducted on Sunday.

Environmental Compliance:

1. PG&E's Environmental Inspectors found work activities to be acceptable.
2. The CPUC EM noted that the site was neat and clean, SWPPP measures were in place, and traffic controls were established. Observed work activities were in compliance with the MMs, APMs, and other permit requirements.

Summary of Activity at the Southern Bore (23rd Street):

1. Activities throughout the week included: saw cutting asphalt on Monday and Tuesday; excavation for "jumper" water line, pipe installation, and backfill with sand Monday through Friday; backfill of jumper excavation with concrete on Monday.
2. At the time of the CPUC EM site visit on October 9th, crews were hand excavating around the water line meters to the water line at the east end of 23rd Street (see Figure 3). Soil was temporarily stockpiled adjacent to the trench and was placed in disposal bins at the end of the work day.
3. PG&E's Environmental Inspector conducted monitoring of the work activities throughout the week, including SWPPP inspections.
4. Air quality monitoring was taking place near the work area during ground disturbing activities, which occurred Monday through Friday.
5. An Archeological Monitor was present for ground disturbing activities, which occurred Monday through Friday.
6. Street sweeping occurred Monday through Friday.

Environmental Compliance:

1. PG&E's Environmental Inspectors found work activities to be acceptable.
2. The CPUC EM noted that the site was neat and clean, and SWPPP measures were in place. Observed work activities were in compliance with the MMs, APMs, and other permit requirements.

Amador Staging and Laydown Yard

Minor Project Change #1 was issued on July 23, 2014 for the use of the Amador Staging and Laydown Yard on Amador Street, San Francisco. The Minor Project Change #1 included conditions that had to be satisfied prior to the staging of equipment and materials at the yard.

Summary of Activity:

1. Staging of equipment overnight and trailer office use occurred Monday through Saturday at the yard.
2. Material deliveries occurred on Monday, Thursday, and Friday at the yard.
3. Tailboard meetings occurred at the yard Monday through Friday.
4. PG&E's Environmental Inspector conducted monitoring of the work area and activities throughout the week, including SWPPP inspections.

Environmental Compliance:

1. PG&E's Environmental Inspectors found work activities to be acceptable.
2. The CPUC EM noted that the Amador Yard was neat and clean, secondary containment was placed under equipment and vehicles, and SWPPP measures were in place. Observed work activities were in compliance with the MMs, APMs, and other permit requirements.

E-P Underground Duct Bank Construction

NTP #3 was issued on October 9, 2014 for the underground duct bank and vault installation component of the Embarcadero-Potrero 230 kV Transmission Project between the horizontal directional drill (HDD) transition on Spear Street to the Embarcadero Substation on Folsom Street in the northern section, and between the HDD transition on 23rd Street to the Potrero Switchyard in the southern section, in the City of San Francisco. NTP #3 included conditions that had to be satisfied prior to the start of construction. No construction activities associated with NTP #3 occurred during the subject week.

Notices to Proceed

Table 1 summarizes the Notices to Proceed (NTP) for the Embarcadero-Potrero Project. During the subject reporting period, the request for NTP #3 was under review, but was subsequently issued by CPUC on October 9, 2014.

Table 1
Notice to Proceeds (NTPs)
(Updated 10/17/14)

NTP #1	Date Requested	Date Issued	Phase	Description
NTP #1	6/23/14	8/21/14	Potrero Site Preparation	Site preparation and excavation of the 230 kV Potrero Switchyard site on 23 rd St., SF.
NTP #2	7/31/14	8/28/14	HDD	Horizontal directional drilling on Spear St. and 23 rd St. connecting to the SF Bay.
NTP #3	9/18/14	10/09/14	Underground Duct Bank and Vaults	Underground duct bank and vault installation between the HDD transition on Spear St. to the Embarcadero Substation on Folsom St. in the northern section, and between the HDD transition on 23 rd St. to the Potrero Switchyard in the southern section, SF.

Minor Project Changes

Table 2 summarizes the Minor Project Changes submitted for the Embarcadero-Potrero Project.

Table 2
Minor Project Changes (MPCs)
(Updated 10/17/14)

MPC	Date Requested	Date Issued	Phase	Description
MPC #1	7/16/14	7/23/14	Amador Staging and Laydown Yard	Use of an existing staging and laydown yard adjacent to Alternate Staging Area #3 (as identified in the IS/MND) on Amador St., SF.

PROJECT PHOTOGRAPHS



Figure 1 – Demolition and debris clean-up at Potrero Switchyard. View southeast, October 9, 2014.



Figure 2 – HDD set-up at Bore #2 on Spear Street. View west, October 9, 2014.



Figure 3 – Water line work on 23rd Street. View east, October 9, 2014.