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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 28, 2014
Subject: Monitoring Report #5 – October 13 to October 19, 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 16, 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 Construction Activity:

1. Equipment and materials mobilization occurred Monday and Tuesday.
2. BMP installations occurred Tuesday and Thursday.
3. Demolition of concrete and rebar foundations occurred on Wednesday through Friday (see Figure 1).
4. Street sweeping occurred Wednesday through Friday.
5. No construction work activities were conducted on Saturday or Sunday.

Environmental Compliance:

1. PG&E's Environmental Inspector conducted monitoring of this area throughout the week, including SWPPP inspections.
2. Archaeological monitoring was conducted on Monday and Tuesday during ground disturbing activities.
3. Air quality monitoring was conducted Monday through Friday.
4. PG&E's Environmental Inspectors noted no non-compliance work activities.
5. 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 Construction Activity at the Northern Bore (Spear Street):

1. Drilling activities were conducted Monday through Friday at Bore #2 (see Figure 2).
2. 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.
3. An 8-foot-tall chain link fence with sound blankets are in place around the HDD equipment and work area.
4. At the time of the CPUC EM site visit on October 16th, the HDD rig was staged at Bore #2, as well as supporting equipment (mud separator, generators, etc.). The bore had drilled about 360 feet with an 8-inch bore head, then they reamed with a 15-inch bore head, followed by drilling with the 22-inch bore head.
5. Demobilization of HDD equipment occurred on Saturday.
6. No construction work activities were conducted on Sunday.

Environmental Compliance:

1. PG&E's Environmental Inspector conducted monitoring of the work activities throughout the week, including SWPPP inspections.
2. Street sweeping occurred Monday through Saturday.
3. PG&E's Environmental Inspectors noted no non-compliance work activities.
4. 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. Saw cutting, excavation, and plating for HDPE pipe was conducted on Tuesday.
2. BMP installation occurred on Tuesday.
3. The CPUC EM did not conduct a site visit of this area since no work was occurring on Thursday, October 16th.
4. No construction work occurred at this site Monday or Wednesday through Sunday.

Environmental Compliance:

1. PG&E's Environmental Inspector conducted monitoring of the work activities, including SWPPP inspections.
2. Air quality monitoring was taking place near the work area during ground disturbing activities, which occurred on Tuesday.
3. An Archeological Monitor was present for ground disturbing activities on Tuesday.
4. Street sweeping occurred on Tuesday.
5. PG&E's Environmental Inspectors noted no non-compliance activities.

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.

Summary of Construction Activity:

1. Saw cutting, pavement removal, excavation, and paving for the AT&T fiber optic cable relocation occurred Monday through Thursday on Spear Street (see Figure 3).
2. BMP installation for fiber optic cable relocation occurred Monday and Tuesday on Spear Street.
3. Traffic control setup occurred on Monday and Tuesday on Spear Street, and Saturday on Folsom Street.
4. At the time of the CPUC EM site visit on October 16th, crews were paving for the relocated AT&T fiber optic line on Spear Street.
5. BMP installations were conducted on Saturday for the underground duct bank work on Folsom Street.
6. Saw cutting, pavement removal, and potholing for utilities occurred Saturday and Sunday for the underground duct bank work on Folsom Street.
7. No construction work occurred on Friday.

Environmental Compliance:

1. An Archaeological Monitor was on site Monday and Tuesday during pavement removal activities and excavation for the AT&T fiber optic relocation on Spear Street, and Saturday and Sunday during pavement removal and potholing on Folsom Street.
2. Street sweeping occurred on Saturday and Sunday.
3. PG&E's Environmental Inspector conducted monitoring of the work area and activities on Monday through Thursday, and Saturday and Sunday, including SWPPP inspections.
4. PG&E's Environmental Inspectors noted no non-compliance activities.
5. The CPUC EM noted that SWPPP measures were in place and traffic controls were established. 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 Construction Activity:

1. Staging of equipment overnight and trailer office use occurred Monday through Sunday at the yard.
2. Material deliveries occurred on Thursday at the yard.
3. Tailboard meetings occurred at the yard Monday through Sunday.

Environmental Compliance:

1. PG&E's Environmental Inspector conducted monitoring of the work area and activities throughout the week, including SWPPP inspections.
2. PG&E's Environmental Inspectors noted no non-compliance activities.
3. 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.

Notices to Proceed

Table 1 summarizes the Notices to Proceed (NTP) for the Embarcadero-Potrero Project.

Table 1
Notice to Proceeds (NTPs)
 (Updated 10/28/14)

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 10/28/14)

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 of foundations at Potrero Switchyard. View southeast, October 16, 2014.



Figure 2 – HDD set-up at Bore #2 on Spear Street. View west, October 16, 2014.



Figure 3 – AT&T fiber optic cable relocation on Spear Street. View north, October 16, 2014.