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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 3, 2014  
**Subject:** Monitoring Report #1 – September 2 to 20, 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 September 18, 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 23<sup>rd</sup> Street adjacent to the existing Potrero Substation on the corner of 23<sup>rd</sup> 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. At the time of the CPUC EM site visit on September 18<sup>th</sup>, the only activity in the Potrero Switchyard was the staging of a couple of office trailers.
2. PG&E's Environmental Inspector conducted monitoring of this area.

#### Environmental Compliance:

1. PG&E's Environmental Inspectors found work activities to be acceptable.
2. The CPUC EM noted that the Potrero Switchyard was neat and clean.

### E-P Horizontal Directional Drill (HDD) Construction

NTP #2 was issued on August 28, 2014 for the horizontal directional drill (HDD) construction on Spear Street, at the northern end of the project, and 23<sup>rd</sup> 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. During the second week of September, "No Parking" signs were installed along Spear Street and USA underground utilities were marked.
2. Activities during the third week of September included: "BAAQMD and PG&E Hotline" signs installation, BMP installation, materials and equipment deliveries, pavement saw cutting and removal, temporary fence installation, sound blanket installation, drill pit excavation, and driving casings (N2 and N3).



3. At the time of the CPUC EM site visit on September 18<sup>th</sup>, traffic controls were established at the corner of Spear Street and Harrison Street by Bay Area Traffic Solutions (BATS). Limited access was provided to Spear Street (a dead end street) including deliveries and people with parking garage permits, as well as construction personnel.
4. HDD Company, Inc. is the contractor doing the HDD work. At the time of the CPUC EM site visit on September 18<sup>th</sup>, asphalt had been cut and removed for two of the HDD bores on Spear Street. Two trenches had been excavated measuring approximately 10 feet long by 3 feet wide and reached a depth of around 3.5 feet at the deepest location. One casing for the bore had started to be installed with the use of a pneumatic tool. There was approximately 20 feet of casing in the ground at that time (see Figure 1). Each bore location will have 100 feet of casing installed.
5. At the time of the CPUC EM site visit on September 18<sup>th</sup> at Spear Street, no work was taking place, except one of the trenches being covered with trench plates and asphalt being placed around the plates.
6. Crews were waiting for chain link fencing to be delivered to surround the HDD work area at Spear Street at the time of the CPUC EM site visit. The fence will be 8 feet tall and covered with sound blankets. PG&E and Black & Veatch had determined that the pneumatic tool for the casing installation was too loud and that the sound blanket being used to cover the tool was not sufficient for noise reduction. Therefore, construction was halted until the new sound wall could be installed.
7. PG&E's Environmental Inspector conducted monitoring of the work activities.
8. An Archaeological Monitor was present for ground disturbing activities.

***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. Also, the pneumatic tool had a current Air Resources Board sticker.

**Summary of Activity at the Southern Bore (23<sup>rd</sup> Street):**

1. Activities during the third week of September included: "BAAQMD and PG&E Hotline" signs installation, BMP installation, pavement saw cutting and removal, and drill pit excavation.
2. At the time of the CPUC EM site visit on September 18<sup>th</sup>, cones were set up around the work area on 23<sup>rd</sup> Street, which dead ends into the SF Bay.
3. Asphalt had been cut and removed for the three HDD bores on 23<sup>rd</sup> Street at the time of the site visit.
4. Excavation for the casing installation was being conducted at the time of the site visit (see Figure 2). The trenches measured about 5 feet long by 3 feet wide and reached a depth of about 32 inches.
5. PG&E's Environmental Inspector conducted monitoring of the work activities.
6. Air quality monitoring was taking place near the work area.
7. An Archeological Monitor was present for ground disturbing activities.

***Environmental Compliance:***

3. PG&E's Environmental Inspectors found work activities to be acceptable.
4. The CPUC EM noted that the site was neat and clean, SWPPP measures were in place, and traffic controls were established.

## 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. Materials and equipment were staged at the Amador Yard starting September 2<sup>nd</sup> (see Figure 3) and continued through September 20<sup>th</sup>. An office trailer has also been staged at the yard along with a generator.
2. BMP installation began September 2<sup>nd</sup>, including secondary containment (i.e. bermed visqueen) of staged equipment and continued through September 20<sup>th</sup>.
3. BAAQMD signs were installed the first week of September.
4. PG&E's Environmental Inspector conducted monitoring of the work area and activities.

### 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, vehicles and materials had secondary containment, and SWPPP measures were in place. Also, the generator had a current Air Resources Board sticker.

## Notices to Proceed

Table 1 summarizes the Notices to Proceed (NTP) for the Embarcadero-Potrero Project. During the subject reporting period, a request for NTP #3 to allow the duct bank installation was submitted; this NTP request is under review.

**Table 1**  
**Notices to Proceed (NTPs)**  
(Updated 10/03/14)

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 <sup>rd</sup> St., SF.
NTP #2	7/31/14	8/28/14	HDD	Horizontal directional drilling on Spear St. and 23 <sup>rd</sup> St. connecting to the SF Bay.
NTP #3	9/18/14	Under Review	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 <sup>rd</sup> 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 10/03/14)

<b>MPC</b>	<b>Date Requested</b>	<b>Date Issued</b>	<b>Phase</b>	<b>Description</b>
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 – HDD work activities on Spear Street. View northeast, September 18, 2014.



Figure 2 – HDD work activities on 23<sup>rd</sup> Street excavating for casing installation. View east, September 18, 2014.



Figure 3 – Equipment and vehicles staged at Amador Yard. View west, September 18, 2014.