



235 Montgomery Street, Suite 935, San Francisco, CA 94104  
Tel. 415-955-4775, Fax 415-955-4776, www.aspeneg.com

**PROJECT MEMORANDUM**

**PG&E EMBARCADERO-POTRERO 230 KV TRANSMISSION PROJECT**

**To:** Billie Blanchard, Project Manager, CPUC  
**From:** Vida Strong, Aspen Project Manager  
**Date:** December 4, 2014  
**Subject:** Monitoring Report #11 – November 24 to November 30, 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):** Due to the short work week because of the Thanksgiving Holiday, the CPUC EM Jody Fessler did not conduct a site visit.

## 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. Foundation demolition and excavation activities occurred Monday and Tuesday.
2. Removal of rebar from concrete for recycling occurred Monday and Tuesday.
3. Removal of excavated soil from the site occurred Monday and Tuesday.
4. Asbestos abatement of pipe was conducted by PSC on Tuesday.
5. Street sweeping occurred Monday and Tuesday.
6. No work was conducted on Wednesday through Sunday because of the Thanksgiving holiday.

#### Environmental Compliance:

1. Cultural monitoring was conducted Monday and Tuesday. Cultural constituents were observed, documented, and collected on November 24 and 25.
2. Air quality monitoring was conducted Monday and Tuesday.
3. PG&E's Environmental Inspector conducted monitoring of this area on Monday and Tuesday, including SWPPP inspections.
4. PG&E's Environmental Inspectors noted no compliance issues at this location.

### 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 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. HDD drilling activities continued at Bore 3 Monday and Tuesday.
2. Bore head punched out at Bore 3 receiving pit on Tuesday.
3. 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.
4. An 8-foot-tall chain link fence with sound blankets are in place around the HDD equipment and work area.
5. Street sweeping occurred Monday and Tuesday.
6. No work occurred Wednesday through Sunday because of the Thanksgiving holiday.

**Environmental Compliance:**

1. PG&E's Environmental Inspector conducted monitoring of the work activities Monday through Wednesday, including SWPPP inspections and checking the drill path in the Bay for signs of drilling fluid release.
2. PG&E's Environmental Inspectors noted no compliance issues at this location.

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

1. Equipment and materials were moved from Bore 1 to Bore 2 Monday and Tuesday.
2. Auguring out of casings at Bore 2 occurred Monday and Tuesday.
3. High density polyethylene (HDPE) pipe was fused together Monday through Wednesday.
4. The HDPE pipe was floated out into the Bay 250 feet on Monday and 200 feet was retracted on Tuesday.
5. Street sweeping occurred Monday through Wednesday.
6. No work occurred Thursday through Sunday because of the Thanksgiving holiday.

**Environmental Compliance:**

1. Cultural monitoring was conducted on Monday and Tuesday. No cultural constituents were observed.
2. Air quality monitoring was conducted Monday and Tuesday.
3. PG&E's Environmental Inspector conducted monitoring of the work activities Monday through Wednesday, including SWPPP inspections and checking the drill path in the Bay for signs of drilling fluid release.
4. PG&E's Environmental Inspectors noted no compliance issues at this location.

**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 23<sup>rd</sup> 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 Activity for the Duct Bank North (Folsom St. and Spear St.):**

1. The underground duct bank trench on Folsom Street was backfilled with sand on Monday and paved on Monday and Tuesday.
2. Equipment, materials, and BMPs were removed from Folsom Street on Tuesday.
3. Traffic control setup occurred on Monday and Tuesday on Folsom Street.
4. Street sweeping occurred Monday and Tuesday.
5. Equipment and materials were removed from the 12 kV relocation work on Spear Street Monday through Wednesday, and BMPs were removed Wednesday.
6. No work occurred Thursday through Sunday because of the Thanksgiving holiday. Work on Folsom Street will resume in January 2015 after the City of San Francisco holiday moratorium.

**Environmental Compliance:**

1. PG&E's Environmental Inspector conducted monitoring of the work area and activities Monday through Wednesday, including SWPPP inspections.
2. PG&E's Environmental Inspectors noted no compliance issues at this location.

**Summary of Activity for the Duct Bank South (23<sup>rd</sup> Street):**

1. Saw cutting of pavement for the underground duct bank occurred on Wednesday.
2. Street sweeping occurred on Wednesday.
3. No work occurred Monday, Tuesday, and Thursday through Sunday.

**Environmental Compliance:**

1. PG&E's Environmental Inspector conducted monitoring of the work area and activities on Wednesday, including SWPPP inspections.
2. PG&E's Environmental Inspectors noted no compliance issues at this location.

**Amador Staging and Laydown Yard**

A 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. Office trailer use occurred Monday through Wednesday at the yard.
2. Tailboard meetings occurred at the yard Monday through Wednesday.
3. No work occurred at the yard Thursday through Sunday because of the Thanksgiving holiday.

**Environmental Compliance:**

1. PG&E's Environmental Inspector conducted monitoring of the work area and activities Monday through Wednesday, including SWPPP inspections.
2. PG&E's Environmental Inspectors noted no compliance issues at this location.

## Notices to Proceed

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

**Table 1**  
**Notice to Proceeds (NTPs)**  
 (Updated 12/04/14)

<b>NTP #1</b>	<b>Date Requested</b>	<b>Date Issued</b>	<b>Phase</b>	<b>Description</b>
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	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 <sup>rd</sup> St. to the Potrero Switchyard in the southern section, SF.
NTP #3 MOD	11/13/14	11/14/14	Underground Duct Bank and Vaults	Trench from the new Potrero Switchyard to the existing switchyard for the 230 kV/115 kV connections across the Trans Bay Cable.
NTP #4	11/19/14	11/21/14	Subsea Cable	Rock removal along subsea cable route.

## Minor Project Changes

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

**Table 2**  
**Minor Project Changes (MPCs)**  
 (Updated 12/04/14)

<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.