



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: November 14, 2014
Subject: Monitoring Report #7 – October 27 to November 2, 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 29, 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. Foundation demolition and excavation activities occurred Monday through Friday (see Figure 1).
2. Foundation concrete was removed from the site Monday through Friday.
3. Removal of rebar from concrete for recycling occurred Monday through Friday.
4. Street sweeping occurred Monday through Friday.
5. At the time of the CPUC EM site visit on Tuesday, October 29th, foundation demolition and excavation was occurring with the use of two large excavators. The area was being watered to keep the dust down as they excavated. Chain saws were used to cut rebar from cement foundations.
6. No work was conducted on Saturday or Sunday.

Environmental Compliance:

1. Cultural monitoring was conducted Monday through Friday.
2. Air quality monitoring was conducted Monday through Friday.
3. PG&E's Environmental Inspector conducted monitoring of this area throughout the week, including SWPPP inspections.
4. PG&E's Environmental Inspectors noted no non-compliance activities at this location.
5. The CPUC EM noted that the site was neat and clean. The contractor is using a different street sweeper that is much more effective than the one previously used.
6. The CPUC EM noted that all 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. Set-up of new larger HDD equipment and materials was conducted Monday and Tuesday (see Figure 2).
2. HDD drilling commenced at Bore 3 on Wednesday and continued through Saturday.
3. Installation of drill head navigation wire coil occurred Wednesday and Saturday, and maintenance of wire coil on Thursday.
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. Street sweeping occurred Monday through Saturday.
7. At the time of the CPUC EM site visit on October 29th, the new HDD equipment was still being set-up and no boring was taking place.
8. No 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. PG&E's Environmental Inspectors noted no non-compliance activities at this location.
3. The CPUC EM noted that SWPPP measures were in place, traffic controls were established, and the site was neat and clean. Observed work activities were in compliance with the MMs, APMs, and other permit requirements.

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

1. Staging and set-up of HDD equipment and materials occurred Monday.
2. Crews drove casing Tuesday through Friday (see Figure 3).
3. High density polyethylene (HDPE) 12-inch conduit was staged on 23rd Street Wednesday and Thursday.
4. Soil was augured from casings Thursday through Saturday.
5. Excavation near bore entrance pit took place Thursday.
6. Street sweeping occurred Tuesday through Saturday.
7. At the time of the CPUC EM site visit on October 29th, casing was being welded together to be driven into the ground. At around 5:30 p.m., crews began to set up the pneumatic hammer to drive more casing.
8. No work occurred at this site on Sunday.

Environmental Compliance:

1. Air monitoring took place Tuesday through Saturday.
2. Cultural monitoring was conducted Wednesday through Saturday.
3. PG&E's Environmental Inspector conducted monitoring of the work activities throughout the week, including SWPPP inspections.
4. PG&E's Environmental Inspectors noted no non-compliance activities at this location.
5. 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.

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 Activity:

1. Potholing for utilities occurred Monday through Thursday for the underground duct bank work on Folsom Street (see Figure 4).
2. Duct bank trench excavation occurred on Wednesday.
3. Traffic control setup occurred on Monday through Thursday on Folsom Street.
4. Street sweeping occurred Monday through Thursday.
5. At the time of the CPUC EM site visit on October 29th, crews were potholing for utilities near the Embarcadero Substation on Folsom Street on the south side of the road.
6. No work occurred Friday through Sunday.

Environmental Compliance:

1. Cultural monitoring was conducted Monday through Thursday.
2. PG&E's Environmental Inspector conducted monitoring of the work area and activities throughout the week, including SWPPP inspections.
3. PG&E's Environmental Inspectors noted no non-compliance activities at this location.
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.

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. Office trailer use occurred Monday through Saturday at the yard (see Figure 5).
2. Tailboard meetings occurred at the yard Monday through Friday.

3. Housekeeping activities occurred on Friday.
4. At the time of the CPUC EM site visit on October 29th, materials and equipment were being staged at the yard as well as office trailers.
5. No work occurred on 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 at this location.
3. The CPUC EM noted that the site was neat and clean, SWPPP measures were in place, and secondary containment was established where appropriate. 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 11/14/14)

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.
NTP #3 MOD	11/13/14	Under review		Trench from the new Potrero Switchyard to the existing switchyard for the 230 kV/115 kV connections across the Trans Bay Cable.

Minor Project Changes

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

Table 2
Minor Project Changes (MPCs)
(Updated 11/14/14)

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 29, 2014.



Figure 2 – New large HDD equipment being set up on Spear Street. View west, October 29, 2014.



Figure 3 – HDD equipment being staged at 23rd Street.
View northwest, October 29, 2014.

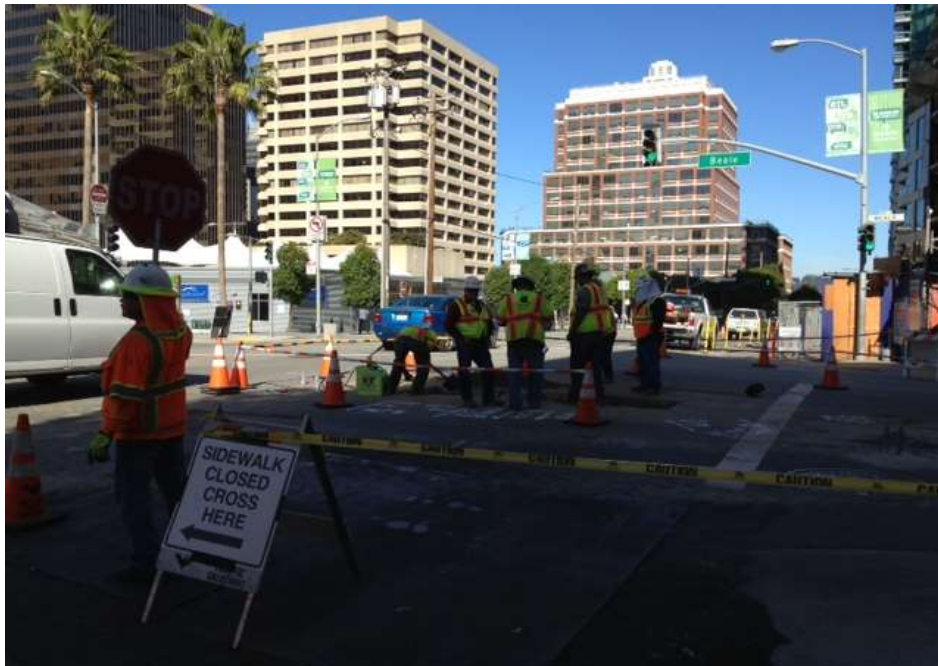


Figure 4 – Potholing for the underground duct bank on Folsom Street. View northwest, October 29, 2014.



Figure 5 – Office trailers staged at Amador Yard. View northeast, October 29, 2014.