



# **Aspen** *Environmental Group*

## **PROJECT MEMORANDUM PG&E JEFFERSON-MARTIN 230KV TRANSMISSION PROJECT**

**To:** Billie Blanchard, CPUC  
**From:** Vida Strong, Aspen Project Manager  
**Date:** August 3, 2005  
**Subject:** Weekly Report #28: July 25, 2005 – July 29, 2005  
**CPUC Environmental Monitors (EM):** Jody Fessler and Jenny Slaughter

CPUC EM Jody Fessler was on site July 26<sup>th</sup> and July 28<sup>th</sup> along Segments 1, 2, 3, 4, and 5.

CPUC EM Jenny Slaughter was on site July 25<sup>th</sup> and July 27<sup>th</sup> along Segments 1, 2, 3, 4, and 5.

### **SEGMENT 1:**

#### **Summary of Activity:**

Construction activities continued during the subject week with the excavation of trenches, installation of conduit, excavation of stubouts at manholes, and manhole preparation work. At the Cañada Road manholes, manhole preparation and cable pulling are being conducted during the day. Work north of Cañada Road on Highway 92/Highway 35/Skyline Boulevard on Segment 1 is now being conducted at nights. Approximately 1025 linear feet of conduit was installed throughout the week. The weather during the week was warm with coastal fog in the mornings and mild to hot afternoons. PG&E Environmental Inspectors (EIs) were on site to ensure compliance with mitigation measures adopted in the EIR, Storm Water Pollution Prevention Plan (SWPPP), and other permit requirements. A PG&E EI/Biological Monitor was on site at the manholes during preparation work and cable pulling activities, and at least two PG&E EIs/Biological Monitors were on site during nighttime activities to inspect environmental compliance at the work sites. The following activities occurred on Segment 1 during the subject week:

1. On Sunday night, July 25<sup>th</sup>, crews conducted backfilling and paving activities from Manhole #22A south to Manhole #18, south of the Crystal Springs Dam. The work hours at that location were from 8:00 p.m. to 5:00 a.m., Sunday through Friday. Skyline Boulevard/Highway 35 was closed to public traffic from the Bunker Hill exit off Highway 280 southbound to the Highway 35/Highway 92 Interchange from 8:00 p.m. to 5:00 a.m., Sunday night through Friday morning. The soil from the trenching activities was transported to Ox Mountain landfill in Half Moon Bay (Class 3 facility). Biological Exclusion Fencing (BEF) was installed on the west side of the road in that location. There was one PG&E EI in the construction zone at all times. Other construction activities in this location included manhole preparation work as well as proofing of conduit. Clean-up activities were conducted on Thursday night. All materials and traffic controls were removed from the construction area early in the morning on Friday.
2. Night trenching work began on Highway 92 at the Cañada Road intersection. Work hours are from 10:00pm to 5:00am because of restrictions in the Caltrans permit. Crews did some excavation, installed conduit, and poured cement slurry in the trench. The soil from the trenching activities was transported to Ox Mountain landfill in Half Moon Bay (Class 3 facility). BEF was installed at this location. One PG&E EI was on site to ensure environmental compliance.
3. Traffic controls (signs, cones, and lights) were set up on Skyline Boulevard at the construction sites. Traffic control flaggers were in place at either end and in the middle of the construction areas along Skyline Boulevard. Bright lights were also set up at either end of traffic controls and in the construction zone at night.

4. Cable pulling between Manholes #3 and #8 continued on Monday, July 25<sup>th</sup>, on Cañada Road (see Figure 1). Traffic controls were placed around the manholes including signs and cones. A PG&E EI was present during this work at the manholes to ensure environmental compliance.
5. Crews continue to use their staging yards at 40 Edwards Court in Burlingame and the southern Caltrans site along the Caltrans right-of-way on Highway 92/Highway 35.
6. No San Francisco garter snakes (SFGS) or California red-legged frogs were sighted during the subject week along Segment 1.
7. On Friday morning, crews conducted clean-up activities along Skyline Boulevard in preparation for the weekend.

### **Environmental Compliance Activities:**

Bird surveys continued throughout the week along the segment from the Jefferson Substation north along Cañada Road and Skyline Boulevard to Hayne Road.

No non-compliances were issued by PG&E's EIs during the subject week for Segment 1.

The CPUC EMs observed that all other Segment 1 construction activities were in compliance with mitigation measures adopted in the EIR and other permit requirements. Erosion controls were in place around the construction areas.

### **SEGMENT 2, UNDERGROUND & OVERHEAD**

#### **Summary of Activity**

A Notice to Proceed (NTP) was issued for the Segment 2 underground portion, not including SFPUC lands, on March 8<sup>th</sup>. However, no NTP has been issued for the overhead component of Segment 2.

The CPUC EMs conducted site visits of the underground segment throughout the week. Crews conducted trenching activities and worked at stubouts throughout the week on Skyline Boulevard. A PG&E EI was on site during construction to ensure compliance with the mitigation measures adopted in the EIR, SWPPP, and other permit requirements. The following activities occurred on Segment 2 during the subject week:

1. On July 25<sup>th</sup>, trench excavation continued on Skyline Boulevard in two locations. One crew trenched south from Manhole #33 and another trenched north of Manhole #28 (see Figure 2). The trench was excavated throughout the week, conduit installed, and cement slurry poured over the conduit. Trench depth is between 11 and 15 feet deep in this location. Approximately 1177 linear feet of conduit was installed in the trench during the week. Paving was done on Friday in this area.
2. On July 26<sup>th</sup>, a site visit was conducted to review the Segment 2 overhead and underground portion within SFPUC lands. Participants included the CPUC, CDFG, National Parks, SFPUC, and PG&E and their subcontractors. Trees to be removed were looked at as well as access roads and pole sites.
3. Traffic controls (signs, cones, and flaggers) were set up on Skyline Boulevard at the trenching and manhole locations during active construction.
4. Crews continue to use the northern Caltrans Staging Yard at the corner of Skyline Boulevard and Hayne Road. Crews are also using the Staging Yard at 60 Edwards Court in Burlingame to store equipment and materials.
5. Clean-up activities were conducted at the end of each day at the active construction sites. A street sweeper is running daily along Skyline Boulevard from 2:00 p.m. to 6:00 p.m.

### **Environmental Compliance Activities:**

Bird surveys continued throughout the week from Hayne Road north along Skyline Boulevard to Trousdale Drive for the underground segment, and from Trousdale Drive north along San Andreas Lake west and parallel to Highway 280 and Skyline Boulevard to Glenview Drive for the overhead segment.

No non-compliances were issued by PG&E EIs during the subject week for Segment 2.

The CPUC EMs observed that all Segment 2 underground construction activities were in compliance with mitigation measures adopted in the EIR and other permit requirements. Erosion controls were in place around the construction areas.

PG&E continues to work with CDFG regarding woodrat removal activities that previously occurred along the overhead portion of Segment 2 without CDFG concurrence. PG&E is also consulting with USFWS and CDFG regarding biological resources along the entire overhead segment. A multi-agency meeting was held on July 12 to discuss Segment 2 overhead tree removal and compliance issues.

### **SEGMENT 3:**

#### **Summary of Activity:**

Construction this week consisted of work at Manhole #43 on San Bruno Avenue, and trenching and pot-holing activities on Huntington Avenue along Segment 3 in the City of San Bruno. Approximately 110 feet of conduit was installed throughout the week. The week's activities are as follows:

1. On Monday, trenching and pot-holing activities continued on Huntington Avenue. Crews started the trenching activities on the north end of Huntington Avenue, where the transmission line enters the BART right-of-way, and are working their way south in the street. Conduit was installed in the trench, slurry was poured, and trench plates were installed.
2. A manhole crew continued to work along San Bruno Avenue during the subject week. Manhole #43 was excavated and shored, and pea gravel was placed in the bottom of the pit (see Figure 3). The manhole vault was set during the week and the area backfilled with cement slurry. The manhole pit was plated at the end of each day with steel plates.
3. Traffic controls were set up around the work areas. Traffic controls included signs, cones, and flaggers to help direct traffic around the construction sites.
4. Crews continue to use their staging yard under Highway 380 just east of Huntington Avenue.

### **Environmental Compliance Activities:**

Bird surveys continued throughout the week and nests were spot-checked for disturbance caused by construction activity.

Crews consulted with an arborist regarding some trees near Manhole #42. The manhole crew was able to set the vault without impacting the trees in the median.

No non-compliances were issued by PG&E EIs during the subject week for Segment 3.

The CPUC EMs observed that all Segment 3 construction activities were in compliance with mitigation measures adopted in the EIR and other permit requirements. Erosion controls were in place around the construction areas.

## **SEGMENT 4:**

### **Summary of Activity:**

Segment 4 construction continued this week with trenching activities north of South Spruce Avenue in the BART right-of-way, south of the South San Francisco BART station in the BART right-of-way, and between Manhole #58 and Manhole #59 along Lawndale and Hillside Drive. Crews also worked near the intersection of Hillside Drive and Lawndale in the Town of Colma. Approximately 1149 linear feet of conduit was installed throughout the subject week. A PG&E EI was on site during construction to ensure compliance with the mitigation measures adopted in the EIR, SWPPP, and other permit requirements. The following activities occurred on Segment 4 during the subject week:

1. Trenching activities continued this week north of South Spruce Avenue in the BART right-of-way, between Manholes #50 and #52. The trench was excavated and shored, conduit installed, cement slurry poured over the installed conduit, and the trench backfilled with native soil. Stubouts and tie-ins were completed at Manholes #50 and #52. The B&V Inspectors conducted the required soil/air monitoring at that site throughout the week. Construction crews also did visual and odor monitoring for contaminants at the site.
2. Trenching activities continued throughout the week between Manholes #58 and #59 within the median of Lawndale Drive and through the intersection of Hillside. Crews excavated trench, installed conduit, poured cement slurry over and around the conduit, and backfilled the area with native soil. Traffic controls, including cones and signs, were set up along Lawndale Drive directing vehicles around the work area. A street sweeper cleaned the road several times a day at that location.
3. Work continued at the exit bore pit on the north side of 12-mile creek, within the BART right-of-way (see Figure 3). Crews also excavated bore pits at Colma Creek. Because of continuous water encountered during excavation, three Baker tanks were brought to the site to store the water before testing. Once tested, if there are no contaminants or silt, crews will dewater into Colma Creek. Bore crews are expected to begin the crossing next week. The area surrounding the bore pit and Baker tanks is fenced with chain link to protect the public.

### **Environmental Compliance Activities:**

Bird surveys continued throughout the week along the BART right-of-way.

The CPUC EM reviewed and approved one Temporary Extra Work Space request for Segment 4 during the subject week. The area was requested for additional paved parking areas off the right-of-way in the town of Colma.

No non-compliances were issued by PG&E's EIs during the subject week for Segment 4.

The CPUC EMs observed that all other Segment 4 construction activities were in compliance with mitigation measures adopted in the EIR and other permit requirements. Erosion controls were in place around the construction areas.

## **SEGMENT 5:**

### **Summary of Activity:**

Construction this week included trenching activities on East Market Street in Daly City, trenching on the east side of San Bruno Mountain on Guadalupe Canyon Parkway, and trench excavation on Bayshore Boulevard in the City of Brisbane. There was a PG&E EI on site to ensure compliance with mitigation measures adopted in the EIR, SWPPP, and other permit requirements. Approximately 480 linear feet of con-

duit was installed throughout the week. The following activities occurred on Segment 5 during the subject week:

1. Work in Daly City on East Market Street continued. Trench was excavated, conduit installed and cement slurry poured over the conduit. Because of the numerous utilities in the right-of-way, the trench depth has increased to over 15-feet (see Figure 5).
2. Trenching operations along Guadalupe Canyon Parkway in the City of Brisbane continued during the week. Crews are encountering a large amount of rock in the area and progress is slow. Saw-cutting, trench excavation, and conduit installation occurred during the week.
3. During the day shift, some light work occurred along Bayshore Boulevard. Clean-up work was also done along Bayshore Boulevard.
4. During the night shift, crews continued to work at the intersections of Bayshore Boulevard and Guadalupe Canyon Parkway and Industrial way. A Native American Monitor was present during excavation of the areas south of Main Street. Trench was excavated, conduit installed, and cement slurry poured over and around the conduit. Work at this intersection is only allowed at night by the City of Brisbane Encroachment Permit.
5. Traffic controls (signs, cones, and lights) were set up on Bayshore Boulevard from the intersection of Guadalupe Canyon Parkway to Geneva Street in Brisbane and on East Market Street in Daly City. Bright lights were set up on either end of the construction area at night in the City of Brisbane.
6. Construction crews continue to use their staging yard at the corner of North Access Road and South Airport Boulevard for the storage of equipment, materials, and two trailers that they are using for office space. Three Baker tanks are on site at that location.

**Environmental Compliance Activities:**

Bird surveys continued throughout the week along the segment from approximately Orange Court east along Guadalupe Parkway and Bayshore Boulevard to the Martin Substation.

Biological monitors spot-checked nests for disturbance along the active construction zones.

No non-compliances were issued by PG&E’s EIs during the subject week for Segment 5.

The CPUC EMs observed that all Segment 5 construction activities were in compliance with mitigation measures adopted in the EIR and other permit requirements. Erosion controls were in place around the construction areas.

**NOTICES TO PROCEED (NTP):**

Table 1 presents the NTPs issued by the CPUC for the Jefferson-Martin Project to date.

**TABLE 1**  
**NOTICES TO PROCEED**  
(Updated 8-3-05)

NTP #	Date Issued	Description
#1	1-10-05	Segment 1, underground only Segment 5, unincorporated San Mateo County only
#2	3-08-05	Segment 2, underground only, not including SFPUC lands
#3	3-11-05	Segment 5, incorporated
#4	3-11-05	Segment 3
#5	3-30-05	Segment 4

**ENVIRONMENTAL COMPLIANCE:**

Two Non-Compliance Reports (NCR) and six Project Memorandums (PMs) have been issued by the CPUC EMs for the project to date (see Table 2).

**TABLE 2**  
**ENVIRONMENTAL COMPLIANCE STATUS**  
 (Updated 8-3-05)

Project Memo or NCR	Date Issued	Description	Follow-Up Activities
NCR (Level 3)	2-01-05	Segment 2 Overhead – Dismantling and removal of woodrat nests along the overhead route without consulting with CDFG.	PG&E consulting with CDFG on how to proceed.
PM	2-09-05	Segment 1 – Breach of trenching activities into vegetated drainage on east side of Cañada Road between MH #7 and MH #8.	PG&E consulting with CDFG and USFWS on how to proceed.
PM	2-16-05	Segment 5 – Dewatering of Manhole #67 vault pit without consulting with RWQCB on handling of water	PG&E consulting with RWQCB on how to proceed with storm water and groundwater.
PM	3-04-05	Segment 1 – Hummingbird nest found near Manhole #5 on Monday, Feb. 28 <sup>th</sup> , and not reported to CPUC or CDFG until Thursday, March 3 <sup>rd</sup> .	PG&E discussing better communication between PG&E and sub-contractors.
PM	5-27-05	Segment 2 Underground – Construction went past the City of Burlingame’s Encroachment Permit on May 25 <sup>th</sup> , and May 26 <sup>th</sup> .	PG&E response submitted 6-14-05.
PM	5-27-05	Segment 2 Underground – Several traffic control violations were observed. A traffic control flagger left his post several times which endangered the public.	PG&E response submitted 6-14-05.
PM	6-01-05	Segment 1 – End dump parked on vegetation in the Caltrans right-of-way disturbing vegetation	PG&E response submitted 6-15-05.
PM	6-20-05	Segment 1- Construction vehicle parked on vegetation near the Caltrans yard	PG&E response received 6-22-05
NCR	7-13-05	Segment 1 – Construction vehicle parked on vegetation at Station # 287+00 on the night of July 11 <sup>th</sup> .	PG&E reviewing NCR
NCR	7-22-05	Segment 1 – Cable Pulling truck and trailer rolled off the road onto vegetation at Manhole #3 on July 18 <sup>th</sup> .	PG&E reviewing NCR

**VARIANCE REQUESTS:**

On July 15, Variance Request #9 was submitted for use of a staging Yard for Segment 4 off of Hillside Drive in the City of Colma. An information inquiry was sent to PG&E/Opus on July 18. To date, no response has been submitted.

On July 22, Variance Request #10 was submitted for the expansion of the Jefferson Substation. An information inquiry was sent to PG&E/Opus on July 25. To date, no response has been submitted.

**TABLE 3**  
**VARIANCE REQUEST STATUS**  
(Updated 8-3-05)

Variance Request #	Date Submitted	Description	Status	CPUC Approval Date
1	1-14-05	40 Edwards Court, Burlingame – Paved parking lot that is fenced to be used as a staging yard.	Approved	1-18-05
2	2-04-05	Staging yard, Airport Boulevard & North Access Road., South San Francisco.	Approved	2-09-05
3	2-22-05	Change compliance timing for Mitigation Measure U-1c, corrosion, from pre-construction to during construction.	Approved	3-04-05
4	4-28-05	Staging yard, Herman Street and Forest Lane, City of San Bruno	Approved	5-03-05
5	5-12-05	Jefferson Substation Expansion Area – Cap well, empty water out of tank into truck, and remove tank from property	Approved	5-20-05
6	5-24-05	Staging yard for Segment 4 construction, intersection of Antoinette Lane and Mission Road, City of South San Francisco.	Approved	5-26-05
6 Modification	6-22-05	Additional staging yard for Segment 4, next to yard approved in Variance #6.	Approved	6-28-05
7	06-06-05	Intrusion into vegetated areas at several locations along Segment 1.	Approved	6-13-05
8	7-14-05	Modification of the trench depth along a 400-foot section of trench north of S. Spruce Avenue (Segment 4).	Approved	7-19-05
9	7-15-05	Staging Yard for Segment 4 off of Hillside Drive in the City of Colma.	Under Review. Information request to PG&E/Opus sent 7-18-05.	
10	7-22-05	Expansion of Jefferson Substation	Under Review. Information request to PG&E/Opus sent 7-25-05.	

**UPCOMING ITEMS:**

PG&E holds the following weekly meetings to review issues and upcoming events:

- Segment 1 on Friday (8:00 a.m., San Mateo B&V office) and Tuesday (8:00 a.m., Hayward B&V office);
- Segment 2 on Friday (10:00 a.m., San Bruno B&V office) and Tuesday (9:30 a.m., Hayward B&V office);
- Segment 3 on Tuesday (11:00 a.m., Hayward B&V office);
- Segment 4 on Monday (1:00 p.m., San Bruno B&V office) and Tuesday (10:15 a.m., Hayward B&V office); and
- Segment 5 on Monday (3:00 p.m., South SF Mueller/InfraSource Staging Yard) and Tuesdays (8:45 a.m., Hayward B&V office).

**AGENCY PERSONNEL CONTACTS:**

The CPUC EMs spoke with the BART Inspector, the City of Colma Inspector, and the City of Brisbane Inspector several times throughout the week.



## Photographs



**Figure 1** – Crews conducting jacket testing on installed cable, Segment 1, July 28, 2005



**Figure 2** – Crews pouring cement slurry on Skyline Boulevard north of Manhole #28, Segment 2 Underground, July 28, 2005





**Figure 3** – Excavation of Manhole #43 along San Bruno Ave, Segment 3, July 27, 2005.



**Figure 4** – Crews working at the entry bore pit on the south side of 12-Mile Creek, Segment 4, July 28, 2005



**Figure 5** – Trenching operations on East Market in Daly City, Segment 5, July 27, 2005.