



# **Aspen** *Environmental Group*

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

**To:** Billie Blanchard, CPUC  
**From:** Vida Strong, Aspen Project Manager  
**Date:** July 6, 2005  
**Subject:** Weekly Report #24: June 26, 2005 – July 2, 2005  
**CPUC Environmental Monitors (EM):** Jody Fessler and Jenny Slaughter

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

CPUC EM Jenny Slaughter was on site June 27<sup>th</sup> through June 30<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 stub-outs at manholes, excavation of a manhole pit, and installation of a manhole vault. Because of the 4<sup>th</sup> of July weekend, crews did not work on Friday during the day shift, but took a long holiday weekend. Throughout the week the weather was mild with coastal fog in the mornings and warm in the 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. At least four PG&E EIs were on-site during daytime activities to inspect environmental compliance at the work sites and six to eight biological monitors were located on the west side of Skyline Boulevard to watch for frogs and snakes, and to make sure these species did not enter the work site. The following activities occurred on Segment 1 during the subject week:

1. On June 27<sup>th</sup>, crews started excavating trench between Manholes #24 and #23 on Skyline Boulevard during the day shift. A pilot vehicle was used in this area with a biological monitor riding along to look for snakes in the road. The soil from the trenching activities was transported to Ox Mountain landfill in Half Moon Bay (Class 3 facility). Crews shored the trench as they excavated. Conduit was installed in the trench as the excavation progressed and cement slurry was poured around the conduit as it was installed (Figure 1). Approximately 1282 linear feet of conduit was installed throughout the week. Biological monitors were placed on the west side of the biological exclusion fencing (BEF) along Skyline Boulevard. There were at least three PG&E EIs in the construction zone at all times. A small crew was on-site during the night to watch the construction area and to do some light work. A PG&E EI also stayed at the site at night to observe construction, watch for animals, and check under vehicles and equipment in case a crew member needed to move their vehicle. Crews conducted asphalt paving of the trench on Wednesday and Thursday. Clean-up activities were done on Thursday. All materials and traffic controls were removed from the construction area at the end of the day Thursday.
2. This week, crews also excavated the stub-outs at Manholes #20 and #23, installed conduit, poured slurry, and paved over the areas on Thursday.
3. Crews conducted manhole prep work this week at Manholes #1 through #4 along Cañada Road. Traffic signs and cones were set up around the manhole to direct traffic around the work area.
4. Proofing activities were conducted during the night shift throughout the week on Cañada Road. Crews were blowing string, pulling tape, pulling sponges, pulling wire brush, and pulling mandrels through the conduit. Grouting and cleaning of the manholes was also done.

5. Night trenching work continued on Skyline Boulevard this week starting the night of June 26<sup>th</sup>. Skyline Boulevard/Highway 35 was closed to public traffic from the Crystal Springs Dam to the Highway 35/Highway 92 Interchange from 9:00 p.m. Sunday to 5:00 a.m. Monday, and from 8:00 p.m. to 5:00 a.m., Monday through Friday. Crews continued trenching activities between Manholes #19 and #18, 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). On Friday morning, trench plates were placed over the trenched area that was not completed in preparation for the weekend. BEF was installed at this location. One or two PG&E EIs were always on-site to ensure environmental compliance.
6. On the night of June 26<sup>th</sup>, excavation of Manhole #23 on Skyline Boulevard began. The manhole was shored and gravel placed in the bottom of the pit during the night shift. The manhole vault was installed on Tuesday night, the area backfilled with cement slurry on Tuesday and Wednesday, and the area paved over on Thursday evening.
7. Traffic controls (signs, cones, and lights) were set up on Cañada Road and 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. A pilot vehicle was being used where there were stretches of traffic controls longer than 350 feet to slow traffic down as well as look out for San Francisco garter snakes. A biologist rode along in the pilot vehicle to look for snakes and frogs that may have gotten in the road. Traffic lights were set up at either end of traffic controls at night. Bright lights were set up at either end of traffic controls and in the construction zone at night.
8. 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.
9. No San Francisco garter snakes (SFGS) were sighted during the subject week along Segment 1. Two California red-legged frogs were seen each day at two separate locations approximately 1,000 feet apart.
10. On Thursday, crews conducted clean-up activities along Cañada Road, in the Caltrans area, and along Skyline Boulevard in preparation for the long holiday 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 for Segment 1.

The CPUC EMs observed that all 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 and overhead segments throughout the week. Crews conducted trenching activities, installed a communication box, and conducted pot-holing activities throughout the week on Skyline Boulevard and Trousdale Drive. 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 June 27<sup>th</sup>, trench excavation continued between Manholes #35 and #34 on Skyline Boulevard. The trench was excavated throughout the week, conduit installed, and cement slurry poured over the conduit. Approximately 681 linear feet of conduit was installed in the trench during the week. Paving was done on Friday in this area.
2. Mid-week, crews un-plated the trench area on Trousdale Drive and placed a communication vault adjacent to the installed conduit. The communication vault was installed on the north side of the trench and the area paved over on Friday (Figure 2).
3. Traffic controls (signs, cones, and flaggers) were set up on Trousdale Drive and 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 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.

#### **SEGMENT 3:**

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

Construction occurred at Manholes #46 and #47 on Huntington Avenue this week along Segment 3 in the City of San Bruno. The week's activities are as follows:

1. On Monday, Manhole #47 on Huntington Avenue was excavated and the pit shored. Gravel was placed in the bottom of the pit and the manhole vault was set by a large crane on Wednesday. Crews poured cement slurry on Wednesday and plated the area. Paving of Manhole #47 took place on Thursday, June 30<sup>th</sup>.

2. On Wednesday, crews started excavating Manhole #46 on Huntington Avenue. The pit was excavated, shored, and had gravel placed in the bottom of the pit. The manhole vault was set on Friday by a large crane (Figure 3). Cement slurry was poured around the vault on Friday. Steel plates were placed over the manhole pit on Friday and cold patch compacted around the plates.
3. Some pot-holing activities were conducted along Huntington Street at the north end and south end of the street within the segment.
4. Traffic controls were set up around the work area including signs, cones, and flaggers were in place at the sites to help direct traffic.
5. 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.

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 between S. Spruce Street and Manhole #51 in the BART right-of-way south of the South San Francisco BART station, and between Manholes #56 and #58 along Lawndale Drive. Approximately 900 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. Work between Manhole #49 and S. Spruce Street and the installation of conduit in the BART right-of-way at this location has been halted due to BART's possible future plans to place a building over this area. The open trench area was fenced throughout the week with chain link fencing and will be left that way until PG&E and BART work out this potential change in the project plan.
2. Trenching activities continued this week north of S. Spruce Street in the BART right-of-way. The trenching operations are north and south of Manhole #50. The trench was excavated and shored, conduit installed, and cement slurry poured over the installed conduit. The B&V Inspectors conducted the required soil/air monitoring at that site during the week. Construction crews also did visual and odor monitoring for contaminants at the site.
3. Trenching activities continued throughout the week between Manholes #56 and #58 within the median of Lawndale Drive (Figure 4). 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.

4. Trenching activities started this week just south of the South San Francisco BART station in the BART right-of-way. Some unmarked utilities were encountered which slowed the progress of the excavation of trench. Signs and cones were set up near the work area alerting people parking at the BART station of construction activities.
5. No crews worked on Friday along Segment 4.

### **Environmental Compliance Activities:**

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

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

On June 29<sup>th</sup>, the CPUC EMs conducted a site visit of Segment 4 north of S. Spruce Street in the BART right-of-way with Anne Sweet, CPUC/Aspen EM and verified that the finalized revised Personnel Monitoring Plan for the Northern Portion of Segment 4 (BART) was being implemented. Ms. Sweet recommended that they have a calibrator on site and re-calibrate the Photo-ionization Air Monitor weekly. B&V has ordered a calibrator and it should be on site by July 6<sup>th</sup>.

On June 30<sup>th</sup>, the CPUC EM observed that fugitive dust was blowing across traffic on Lawndale due to construction activities and the moving around of soil by two front-loaders. The CPUC EM spoke with PG&E's EI who asked construction management to water the area. The CPUC EM noted that construction stopped until water was sprayed over the area.

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:**

Very little construction occurred along Bayshore Boulevard throughout the week 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. The following activities occurred on Segment 5 during the subject week:

1. During the day shift, some light work occurred along Bayshore Boulevard. Crews did some manhole preparation work at Manholes #47 and #48.
2. During the night shift, crews worked at the intersection of Bayshore Boulevard and Guadalupe Canyon Parkway (see Figure 5). 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.
3. Pot-holing activities occurred in Daly City on E. Market Street on Wednesday in preparation for work at that location in a couple of weeks.
4. The construction zone along Bayshore Boulevard is in the middle of the road with one lane of southbound traffic blocked off. K-rails run along both sides of the construction zone and the only access to the construction zone is at either the south end or north end of the zone.

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. Bright lights were set up on either end of the project at night. A small night crew stayed on-site at night and did some light work. Safety monitors were in place in the Controlled Access Zone (CAZ) to keep track of how many people were in the construction area and if they were CAZ trained.
6. An Encroachment Permit for construction in Daly City is expected to be issued July 6<sup>th</sup>.
7. Conduit still has to be attached to the bridge at the top of San Bruno Mountain on Guadalupe Canyon Parkway. Once the design for the brackets is finalized, the subcontractor will return and will complete the bridge work.
8. 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 7-06-05)

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:**

One Non-Compliance Report (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 7-06-05)

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 subcontractors.
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

**VARIANCE REQUESTS:**

Modification to Variance Request #6 for the expansion of a Segment 4 construction yard as approved under Variance Request #6 was submitted on June 22 and approved by CPUC on June 28.

**TABLE 3  
VARIANCE REQUEST STATUS**  
(Updated 7-06-05)

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

Variance Request #	Date Submitted	Description	Status	CPUC Approval Date
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

**UPCOMING ITEMS:**

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

- Segment 1 on Friday (12:00 p.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, the City of Burlingame Inspector, and the City of Brisbane Inspector several times throughout the week.



## Photographs



**Figure 1** – Cement slurry being poured over installed conduit in trench between Manholes #23 and #24, Segment 1, June 28, 2005



**Figure 2** – Communication box set and trench paved on Trousdale Drive, Segment 2 Underground, July 1, 2005



**Figure 3** – Crews setting Manhole #46 on Huntington Avenue with large crane, Segment 3, July 1, 2005



**Figure 4** – Pouring cement slurry over installed conduit in trench in median along Lawndale Drive in the Town of Colma, Segment 4, June 28, 2005.



**Figure 5-** Night work at the intersection of Bayshore Boulevard and Guadalupe Canyon Parkway in the City of Brisbane, Segment 5, June 28, 2005