



Aspen *Environmental Group*

PROJECT MEMORANDUM

PG&E JEFFERSON-MARTIN 230KV TRANSMISSION PROJECT

To: Billie Blanchard, CPUC

From: Vida Strong, Aspen Project Manager

Date: May 24, 2005

Subject: Weekly Report #18: May 15, 2005 – May 21, 2005

CPUC Environmental Monitors (EM): Jody Fessler and Jenny Slaughter

CPUC EM Jody Fessler was on site May 17th, May 18th and May 20th along Segments 1, 2, 4, and 5.

CPUC EM Jenny Slaughter was on site May 16th through May 19th along Segments 1, 2, 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 a manhole pit, installation of a manhole, and excavation of stub-outs at manholes. Monday through Thursday, the weather was stormy with rain on and off and high winds at times. Friday, the weather was sunny and warm. 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 ten biological monitors were located on the west side of Cañada Road 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 May 16th, crews started excavating trench between Manhole #7 and Manhole #9 on Cañada Road (Figure 1). 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. Approximately 2130 linear feet of conduit was installed throughout the week. Biological monitors were placed on the west side of the biological exclusion fencing (BEF) along Cañada Road. There were at least three EIs in the construction zone at all times. A small crew was on-site during the night, but only conduit installation work was done in that area. An 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, Thursday, and Friday. Clean-up activities were done on Thursday and Friday. All materials and traffic controls were removed from the construction area at the end of the day Friday.
2. On Monday, May 16th, crews began excavating the Manhole #8 stub-outs and the Manhole #9 stub-out on the south side of the manhole on Cañada Road. The stub-outs had conduit installed throughout the week and were completed by the end of the week.
3. Proofing activities were conducted during the night shift throughout the week on Cañada Road. From Manhole #13 to Manhole #14 and from Manhole #14 to Manhole #15, crews were blowing string, pulling tape, pulling sponges, pulling wire brush, and pulling mandrels through the six (6) inch conduit. Grouting and cleaning of the manholes was also done.

4. Night trenching work continued in the Caltrans area on Skyline Boulevard this week starting in the night of May 15th. Skyline Boulevard/Highway 35 was closed to public traffic from the Crystal Springs Dam to the Highway 35/Highway 92 Interchange from 8:00 p.m. to 5:00 a.m., Monday through Friday. From Manhole #20, crews trenched south, installed conduit, and poured cement slurry in the trench. Approximately 650 linear feet of conduit was installed in the Caltrans area throughout the week. The soil from the trenching activities was transported to Ox Mountain landfill in Half Moon Bay (Class 3 facility). On Thursday night, trench plates were placed over the trenched area that was not completed yet 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.
5. The night shift also worked on the Manhole #21 stub-out on the south side of the manhole in the Caltrans area this week starting in the night of May 15th. Part of the soil in the area was clean (Station #342+50) and was shipped to Ox Mountain landfill in Half Moon Bay (Class 3 facility). Part of the soil in the area was impacted (Station #338+00 to #342+00) and was shipped to Forward landfill in Martinez (Class 2 facility).
6. Installation of Manhole #22A, Station #356+00, on the south side of Crystal Springs Dam began during the subject week. K-rails were placed around the manhole work area and traffic was routed around the area during the day with the help of flaggers at either end of the construction zone. A biological monitor was also at this location during the day to watch out for snakes. Crews excavated the manhole early Monday morning and shored the pit. However, since the contractor didn't have the correct manhole vault, the manhole excavation was backfilled with cement slurry and paved. The K-rails and traffic controls were gone from the area on Friday.
7. Tuesday night or early Wednesday morning, a fire broke out in the trench when a spark from welding activities caught some mule tape on fire, which caught the conduit racks on fire, which caught the conduit on fire. The fire was extinguished by crew personnel. Future welding activities will not take place over the trench and a fire watcher will be assigned to construction areas with a fire extinguisher kept near at hand. The conduit that was burned was replaced on Wednesday.
8. Traffic controls (signs, cones, and lights) were set up on Cañada Road at the construction site. Traffic control flaggers were in place at either end and in the middle of the construction areas along Cañada Road. 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.
9. 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.
10. No San Francisco garter snakes (SFGS) were sighted during the subject week along Segment 1.
11. On Friday, May 20th, crews conducted clean-up activities along Cañada Road 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-compliance was issued by PG&E's EIs during the subject week:

On Wednesday, May 18th, the CPUC EM observed that construction equipment was parked outside the fence around the southern Caltrans staging yard on the south east side. After speaking with PG&E's EI, the Segment Construction Manager called the CPUC EM to inform her that it would be taken care of immediately. 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 8th. However, no NTP has been issued for the overhead component of Segment 2. A site visit of the overhead portion was conducted with PG&E, Black & Veatch, CH2M Hill, Western ECI, USFWS, CDFG and CPUC representatives on May 18th.

The CPUC EMs conducted site visits of the underground segment throughout the week. Crews were working at Manhole #32, Manhole #33, Manhole #36 stub-outs, and between Manhole #36 and Manhole #37, throughout most of the week. A PG&E EI was on-site during construction to ensure compliance with the mitigation measures adopted in the EIR, Storm Water Pollution Prevention Plan (SWPPP), and other permit requirements. The following activities occurred on Segment 2 during the subject week:

1. On Monday, May 16th, trench excavation continued between Manhole #36 and Manhole #37 on Skyline Boulevard (Figure 2). The trench was excavated throughout the week, conduit installed, and cement slurry poured over the conduit. Approximately 220 linear feet of conduit was installed in the trench during the week. Paving was done on Thursday and Friday in this area.
2. On Monday, May 16th, work started at Manhole #36 stub-outs and continued throughout the week. Steel plates were placed over the stub-out areas at the end of the day on Friday.
3. On Monday, May 16th, Manhole #32 pit was partly excavated and shored. On Tuesday, excavation of the pit was completed and gravel placed in the bottom of the pit. The vault was set in the manhole on Wednesday, May 18th, and some cement slurry poured. Cement slurry was finished being poured on Thursday and the area paved over on Friday.
4. On Tuesday, May 17th, Manhole #33 was paved over and completed.
5. Saw-cutting of asphalt continued throughout the week on Skyline Boulevard.
6. Traffic controls (signs, cones, and flaggers) were set up on Trousdale Drive and Skyline Boulevard at the trenching location, the manhole locations, and the saw-cutting areas during active construction.
7. 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.
8. Clean-up activities were conducted at the end of each day at the active construction sites.

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.

One non-compliance was issued by PG&E EIs on May 16th for too much water being used to wet the road down which caused the water to run off the road and into a drainage.

On Monday, May 16th, the CPUC EM observed water enter an unprotected storm drain about 1000 feet away from construction activities. Water was being used by a crew member to wash the road off. The CPUC EM spoke with the PG&E EI who had already told construction management that there was too much water being used at that location and that water should be used to wet down the road to help the street sweeper pick up soil on the road, not wash it off the road. The over-watering of the road was stopped immediately. A verbal warning was issued by the CPUC and construction management removed the crew member from the project who was over-watering the road.

The CPUC EMs observed that all other 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 site visit with the resource agencies was conducted May 18th.

SEGMENT 4:

Summary of Activity:

Segment 4 construction continued this week with the excavation of trench and stub-outs at the two manholes at the southern end of the segment in the BART right-of-way. Crews were working south of Manhole #48 and on either side of Manhole #49 throughout the week. A PG&E EI was on-site during construction to ensure compliance with the mitigation measures adopted in the EIR, Storm Water Pollution Prevention Plan (SWPPP), and other permit requirements. The following activities occurred on Segment 4 during the subject week:

1. On Monday, May 16th, excavation of stub-outs continued on either side of Manhole #48 and Manhole #49 in the BART right-of-way. Crews continued to work at these locations throughout the week.
2. Trenching activities began south of Manhole #48 this week (Figure 3). 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. Engineered soil was backfilled over the cement slurry to grade. Approximately 400 linear feet of conduit was installed throughout the week.
3. Public safety issues were discussed at the Tuesday construction meeting at the Black & Veatch office in Hayward. It was decided by PG&E and Black & Veatch that open trenches or pits would be covered with plywood or chain link fence sections with snow fencing around the construction area at the end of each day as long as no public vehicles can access the area. If public vehicles can gain access to the area, crews will use steel plates to cover the trenches and pits. A chain is being used across the BART access to the right-of-way to keep public vehicles out of the area at night. The CPUC EM strongly urged PG&E and its contractors to take all necessary safety measures given the accessibility of the right-of-way to the public and nearby schools.

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 during the subject week.

On Friday, May 20th, the CPUC EM observed a pile of backfill material that was not covered with plastic. The CPUC EM spoke with PG&E's Lead EI and construction management about the issue and they informed her that they would take care of the issue right away. 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.

SEGMENT 5:**Summary of Activity:**

Construction activities continued during the subject week with the excavation of a manhole, installation of the manhole vault, and work at stub-outs around the manhole. There was a PG&E EI on-site to ensure compliance with mitigation measures adopted in the EIR, Storm Water Pollution Prevention Plan (SWPPP), and other permit requirements. The following activities occurred on Segment 5 during the subject week:

1. On Monday, May 16th, crews continued to excavate the area for Manhole #78 and the stub-outs on Bayshore Boulevard in Brisbane (Figure 4). Throughout the week, the area excavated was shored, the manhole vault was installed, conduit was installed at the stub-outs, and cement slurry poured. Approximately 310 linear feet of conduit was installed. The work area on Bayshore Boulevard around Manhole #78 is blocked off with K-rails and cones and crews have permission from the City to work 24 hours a day for 14 days in that particular area.
2. Conduit still has to be attached to the bridge at the top of San Bruno Mountain on Guadalupe Canyon Parkway. Once the brackets are made, construction crews will complete the bridge work.
3. 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.
4. 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 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.

The CPUC EMs observed that 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 5-24-05)**

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 three Project Memorandums (PMs) have been issued for the project to date (see Table 2).

**TABLE 2
ENVIRONMENTAL COMPLIANCE STATUS
(Updated 5-24-05)**

Project Memo or NCR	Date Issued	Description	Follow-up Activities
NCR (Level 3)	2-01-05	Segment 2 – 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 th , and not reported to CPUC or CDFG until Thursday, March 3 rd .	PG&E discussing better communication between PG&E and sub-contractors.

VARIANCE REQUESTS:

Variance Request #5 was submitted on May 12th for removal of a water tank and capping of a well within the Jefferson Substation expansion area. This request was approved by the CPUC on May 20. On May 24, Variance Request #6 was submitted for the use of a staging yard for Segment 4 construction. This request is under review.

TABLE 3
VARIANCE REQUEST STATUS
(Updated 5-24-05)

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.	Under Review	

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

AGENCY PERSONNEL CONTACTS:

The CPUC EMs conducted a site visit of Segment 2 Overhead and the Jefferson Substation with Dave Johnston of CDFG and Mary Hammer of USFWS. In addition, the Segment 4 wetland area was reviewed with Dave Johnston, CDFG.

Photographs



Figure 1 – Crews trenching between Manhole #8 and Manhole #9, Segment 1, May 17, 2005



Figure 2 – Trenching area between Manhole #36 and Manhole #37 on Skyline Boulevard, Segment 2 Underground, May 17, 2005



Figure 3 – Trenching area south of Manhole #48 in the BART right-of-way, Segment 4, May 18, 2005



Figure 4 – Crews working at Manhole #78 on Bayshore Boulevard, Segment 5, May 20, 2005