



Aspen *Environmental Group*

PROJECT MEMORANDUM

PG&E JEFFERSON-MARTIN 230KV TRANSMISSION PROJECT

To: Billie Blanchard, CPUC

From: Vida Strong, Aspen Project Manager

Date: May 18, 2005

Subject: Weekly Report #17: May 8, 2005 – May 14, 2005

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

CPUC EM Jody Fessler was on site May 10th through May 13th along Segments 1, 2, 4, and 5.

CPUC EM Jenny Slaughter was on site May 9th through May 12th 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 manhole pits, installation of manholes, and excavation of stub-outs at manholes. The weather was sunny and warm throughout the week with high winds at times. 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 five 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 (and east side in some areas) 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 9th, crews started excavating trench between Manhole #3 and Manhole #1 on Cañada Road. 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 2355 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. A few biological monitors were also placed on the east side of the road in high probability areas for the San Francisco garter snake. 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 9th, crews began excavating the Manhole #1 stub-outs and the Manhole #6 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. Night trenching work continued in the Caltrans area on Skyline Boulevard this week starting in the night of May 8th. 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. Crews continued to install conduit and pour cement slurry in the trench where the unknown cement

structure was located, just north of Manhole #20. 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.

4. The night shift also worked on Manhole #21 in the Caltrans area this week starting in the night of May 8th. 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. The manhole vault was set Tuesday night and some cement slurry was poured at that time. On Wednesday night, crews finished pouring cement slurry around and over the manhole vault and set manhole rings (Figure 1), and the area was paved over on Thursday night. The K-rails and traffic controls were gone from the area on Friday.
5. Traffic controls (signs, cones, and lights) were set up on Cañada Road at the various construction sites. 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.
6. 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.
7. No San Francisco garter snakes (SFGS) were sighted during the subject week along Segment 1.
8. During the night of May 11, a dead San Francisco dusky-footed woodrat was found on top of a drain inlet outside the work area around 8:30 p.m. near Station 319+00. The wood rat appeared to have been hit by a vehicle. The CDFG was notified and the animal was left in place.
9. On Friday, May 13th, 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-compliances were issued by PG&E's EIs during the subject week:

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 8th. 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 were working at Manhole #33, 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 9th, trench excavation continued between Manhole #36 and Manhole #37 on Skyline Boulevard. The trench was excavated throughout the week, conduit installed, and cement slurry poured over the conduit. Approximately 540 linear feet of conduit was installed in the trench during the week. Some paving was done on Friday in this area.
2. On Tuesday, May 10th, Manhole #33 pit was excavated and shored and gravel placed in the bottom of the pit. The vault was set in the manhole on Wednesday, May 11th (Figure 2), and cement slurry poured on Thursday and Friday. Steel plates were set over the manhole on Friday.
3. Saw-cutting of asphalt continued throughout the week on Skyline Boulevard. The new saw-cutting crew is doing a good job of keeping the area clean and vacuuming up all the slurry created by the saw-cutter.
4. Traffic controls (signs, cones, and flaggers) were set up on Trousdale Drive and Skyline Boulevard at the trenching location, the manhole location, and the saw-cutting area during active construction.
5. 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.
6. 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.

On Tuesday, May 10th, PG&E Inspectors, Black & Veatch Construction Managers, Underground Construction Managers, Opus Environmental Inspectors, and the CPUC EMs inspected the trenching site as clean-up activities took place. The crews did a good job cleaning-up the area, street sweeping and compacting the cold patch around the trench plates. Everyone agreed that this would be the standard for clean-up activities from now on. During a site visit to the trenching area on Thursday, May 12th, the CPUC EM observed some safety issues concerning construction equipment moving through active public traffic lanes and improper flagging. The CPUC EM informed Danny Vealey, Black & Veatch Safety Manager, about the concerns and he passed these concerns on to the sub-contractor, Underground Construction, and requested information from them on how they would remedy the safety issues. Underground Construction responded to these concerns in an email on Friday, May 13th. The CPUC EM conducted a site visit of the trenching area on Friday, May 13th, and did not observe any safety violations.

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. PG&E has scheduled a site visit with the resource agencies for May 18th.

SEGMENT 4:

Summary of Activity:

Segment 4 construction continued this week with the excavation of stub-outs at the two manholes at the southern end of the segment in the BART right-of-way. Crews were working at Manhole #48 and 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 9th, excavation of stub-outs began 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 (Figure 3). On Tuesday evening, the CPUC EM noticed that the stub-outs were covered with plywood at Manhole #49 and no chain link fence was surrounding the work area as it was at Manhole #48. The CPUC EM spoke with the Black & Veatch Safety Manager who informed her that steel plates should be used to cover pits or trenches if no fencing is installed around the construction area. From Wednesday forward, crews used steel plates to cover the stub-out trenches where chain link fence was not in place. Plywood could be used to cover the pits and trenches if chain link fencing is in place around the construction areas.

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.

The CPUC EMs observed that 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 trench, installation of conduit, and repair work. 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 9th, excavation of trench continued between Manhole #70 and Manhole #71 on Guadalupe Canyon Parkway. Throughout the week, the trenches were shored, conduit installed, cement slurry poured, and the area paved over on Wednesday and Thursday. Approximately 510 linear feet of conduit was installed during the week.
2. On Wednesday, May 11th, crews conducted some repair of asphalt around Manhole #66 on Guadalupe Canyon Parkway (Figure 4).
3. 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.
4. Saw-cutting activities were conducted along Bayshore Boulevard on Thursday and Friday.
5. Traffic controls (signs, cones, and lights) were set up on Guadalupe Canyon Parkway from Manhole #66 to Manhole #72. Traffic control flaggers were in place at the active construction areas. Traffic cones were left in place blocking off the southern lane. 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.
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 they are using for office space. Three Baker tanks are on site at that location.
7. On Thursday, May 12th, crews conducted clean-up activities along Guadalupe Canyon Parkway in preparation for the weekend.

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 5-18-05)**

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 5-18-05)**

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 is under review.

**TABLE 3
VARIANCE REQUEST STATUS
(Updated 5-18-05)**

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	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:

None.

Photographs



Figure 1 – Crews setting manhole rings at Manhole #21 in the Caltrans right-of-way on Skyline Boulevard, Segment 1, May 11, 2005



Figure 2 – Crews setting manhole vault at Manhole #33 on Skyline Boulevard, Segment 2 Underground, May 11, 2005



Figure 3 – Crews compacting soil over Manhole #48 in the BART right-of-way, Segment 4, May 12, 2005



Figure 4 – Crews working on asphalt repairs at Manhole #66 on Guadalupe Canyon Parkway, Segment 5, May 10, 2005