



Aspen *Environmental Group*

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

To: Billie Blanchard, CPUC
From: Vida Strong, Aspen Project Manager
Date: April 20, 2005
Subject: Weekly Report #13: April 10, 2005 – April 16, 2005
CPUC Environmental Monitors (EM): Jody Fessler and Jenny Slaughter

CPUC EM Jody Fessler was on site April 12 through April 15 along Segments 1, 2, 3, and 5. CPUC EM Jenny Slaughter was on site April 11 through April 14 along Segments 1, 2, and 5. CPUC Lead EM Christopher Meyer was on site April 11 along Segments 1, 2, and 5.

SEGMENT 1:

Summary of Activity:

Construction activities continued during the subject week with excavation of a manhole, placement of a vault, excavation of trenches, installation of conduit, and repair of sunken trenching areas. The weather was partly sunny and partly cloudy with strong winds at times throughout the week. PG&E Environmental Inspectors (EI) 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 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 April 11, crews started excavating trench between Manhole #11 and Manhole #12 on Cañada Road (Figure 1). A pilot vehicle was used in this area. 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 1,705 linear feet of conduit was installed throughout the week. A small crew was on-site during the night, but little work was done. A biological monitor 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. On Wednesday, Thursday, and Friday, crews conducted asphalt paving of the trench. 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, April 11, excavation of Manhole #27 at the very north end of the segment on Skyline began. The soil from the manhole activities was transported to Ox Mountain landfill in Half Moon Bay (Class 3 facility). Excavation was completed on Monday and shoring was installed in the pit. The manhole vault arrived on Tuesday and was set in the pit by a large crane. Cement slurry was poured around and over the vault. Paving was done on Friday and traffic controls were removed from the site in the evening.
3. On Monday, April 11, excavation of the stub-out on the south side at Manhole #12 on Cañada Road began. Excavation and shoring was completed on Monday, conduit was installed throughout the week, cement slurry was poured over the conduit, and the site was paved on Friday.

4. On Monday, April 11, excavation of the stub-outs at Manhole #4 on Cañada Road began to extract the gravel fill and replace it with thermal backfill. Excavation was completed on Monday, cement slurry was poured on Tuesday, and paving was completed on Wednesday.
5. On Sunday, April 10, a cyclist had an accident between Manhole #4 and Manhole #5 on Cañada Road at approximately Station #65+00 (Figure 2). The cyclist claims that the accident occurred because of uneven pavement where some of the trench had sunk due to gravel backfill and lots of groundwater. On Monday, April 11, the area between Manhole #4 and Manhole #5 where the trench had sunk was marked with orange paint and coned off. On Wednesday, April 13, crews started excavating out the gravel backfill in the trench and replaced it with flowable thermal backfill. A pilot vehicle was used at that location on Thursday and Friday because the traffic control zone was about 1,000 feet long. Final paving was completed at that location on Friday.
6. Additional paving work was done north of Manhole #6 and around Manhole #8 in the later part of the week due to sunken asphalt.
7. 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 area along Cañada Road. A pilot vehicle is being used where there are long stretches of trench to slow traffic down as well as look out for San Francisco garter snakes. A biologist rides along in the pilot vehicle to look for snakes and frogs that may have gotten in the road. Bright lights were set up on either end of the project sites at night.
8. No construction took place in the Caltrans right-of-way (ROW) this week.
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. The CPUC observed that the sites were neat and clean.
10. New biological exclusion fencing (BEF) was installed on the west side of Cañada Road north and south of Manhole #13 as directed by Dave Johnston of CDFG. New BEF was also installed on the west side of Skyline in the Caltrans area.
11. On April 11, there was one San Francisco garter snake sighting along Segment 1. On April 12, there were three San Francisco garter snake sightings along Segment 1.
12. On Friday, April 15, 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. A great horned owl is nesting near Manhole #4 and was spot-checked by biologists throughout each day construction took place in that area. The owl did not seem to be disturbed by construction activities. Other nests along the segment were also monitored regularly for disturbance.

PG&E, Black & Veatch, Opus Environmental, CDFG, and USFWS continued to work together on the installation of BEF to protect the San Francisco garter snake.

PG&E's EIs issued two non-compliances during the subject week. On April 12, the concrete inspector moved his truck without inspection for sensitive species after parking for over 30 minutes. On April 15, the asphalt construction contractor ran behind schedule due in part to equipment failure and a power

outage at their facility and was not able to finish paving by the 7 p.m. San Mateo County deadline. Asphalt paving was completed at 10:45 p.m.

On Wednesday, April 13, the CPUC EM noticed some oil spots on the road in the trenching area and near Manhole #27 and pointed them out to PG&E's EIs. PG&E's EIs asked construction management to have them cleaned up right away.

The CPUC EM 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. However, no NTP has been issued for the overhead component of Segment 2.

The CPUC EM conducted a site visit of the underground segment throughout the week. Crews continued to work at Manhole #36 and Manhole #37. A PG&E EI was on-site 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, April 11, construction continued at Manhole #37 in the Caltrans area on Trousdale Drive (Figure 3). The excavator was reported to be leaking more hydraulic fluid and a mechanic was called out to the site again. On Thursday, April 14, the vault was set in the manhole pit. Plates were placed over the manhole pit by 3:00 p.m. every day.
2. On Tuesday, April 12, excavation at Manhole #36 continued. No other work at that manhole was done throughout the week. Plates were placed over the manhole pit when crews were not working there.
3. Traffic controls (signs, cones, and flaggers) were set up on Trousdale Drive and Skyline at the two manhole locations during active construction.
4. Crews continue to use the Northern Caltrans Staging Yard at the corner of Skyline and Hayne Road. The CPUC EM observed that the site was neat and clean.
5. 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.

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 5:

Summary of Activity:

Construction activities continued during the subject week with the excavation of trench and installation of conduit. 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 April 11, crews started excavating to tie-in the stub-out on the east side of Manhole #66 to the rest of the conduit already in the trench. Crews also started excavating more trench between Manhole #67 and Manhole #68 (Figure 4). The soil from the trenching activity was transported to Ox Mountain landfill in Half Moon Bay (Class 3 facility). Throughout the week, the trenches were shored, conduit installed, cement slurry poured, and the area paved over on Friday night. No work was done on Saturday.
2. Asphalt cutting was done this week east of Manhole #71. Excavation of the trench will start at that location this week.
3. Traffic controls (signs, cones, and lights) were set up on Guadalupe Canyon Parkway from Manhole #66 to Manhole #70. 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.
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.
5. On Friday, April 15, 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.

Biologists were also on site to observe two nests for disturbance along the active construction zones.

The CPUC EM 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 4-20-05)**

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 4-20-05)**

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, and not reported to CPUC or CDFG until Thursday, March 3.	PG&E discussing better communication between PG&E and subcontractors.

VARIANCE REQUESTS:

No Variance Requests were submitted during the subject week.

TABLE 3
VARIANCE REQUEST STATUS
(Updated 4-20-05)

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

UPCOMING ITEMS:

PG&E holds weekly meetings to review issues and upcoming events for Segment 1 on Friday (12:00 p.m., San Mateo BV office) and Tuesday (8:00 a.m., Hayward BV office); and a weekly meeting for Segment 2 on Tuesday (10:00 a.m., Hayward BV office); and a weekly meeting for Segment 5 on Monday (3:00 p.m., South SF Mueller/InfraSource Staging Yard) and Tuesdays (9:00 a.m., Hayward BV office).

A construction kick-off meeting for Segment 4 has been scheduled for Friday, April 22.

AGENCY PERSONNEL CONTACTS:

Dave Johnston of CDFG visited Segment 1, 2 and 5 on April 12 to review bird nesting locations and buffer zones. PG&E contacted CDFG and USFWS on Thursday to clarify when pilot cars are required. At present, pilot cars will be used for areas under traffic control that are longer than 300 feet in length. Consultation with the agencies regarding this issue is ongoing.

PG&E's EIs notified USFWS and CDFG throughout the week of any San Francisco garter snake sightings.

Photographs



Figure 1 – Crews conducting trenching activities between Manholes #11 and #12 on Cañada Road, Segment 1, April 13, 2005.



Figure 2 – Area where trench sank between Manholes #4 and #5 on Cañada Road, Segment 1, April 12, 2005.



Figure 3 – Crews pouring cement slurry at Manhole #37 on Trousdale, Segment 2, April 14, 2005.



Figure 4 – Crews excavating east of Manhole #67 on Guadalupe Canyon Parkway, Segment 5, April 12, 2005.