



**PROJECT MEMORANDUM  
PG&E JEFFERSON-MARTIN 230 kV TRANSMISSION PROJECT**

**To:** Billie Blanchard, CPUC  
**From:** Vida Strong, Aspen Project Manager  
**Date:** September 8, 2005  
**Subject:** Monthly Report #1: August 1, 2005 – August 31, 2005  
**CPUC Environmental Monitors (EM):** Jody Fessler and Jenny Slaughter

CPUC EM Jody Fessler was on site throughout the month of August along Segments 1, 2, 3, 4, and 5.

CPUC EM Jenny Slaughter was on site the first two weeks of August along Segments 1, 2, 3, 4, and 5.

**SEGMENT 1**

Table 1A presents the construction activities along Segment 1 during August. Along Cañada Road, the daytime shift worked Monday through Friday conducting cable pulling and splicing. During the first week of August, cable was removed from Manhole #5 through Manhole #6 due to defects in the cable. During the last week of August, cable rack was installed at Manholes #16, #24, #25, and #27. A PG&E EI/Biological Monitor was on-site at each of the manholes during cable pulling and splicing; however, during the last week of August, the manhole guards arrived and were put in place, thereby reducing the number of monitors required from one monitor per manhole to one monitor per two manholes. Traffic controls were placed around the manholes including flaggers, signs, and cones.

Excavation of trench and installation of conduit occurred north of Cañada Road on Highway 92/Highway 35 at night. At least two PG&E EIs/Biological Monitors were on-site during nighttime activities to inspect environmental compliance at the work sites. Traffic controls (flaggers, signs, cones, and lights) were set up on Highway 92/Highway 35 at the construction sites.

Crews continue to use the Caltrans Staging Yard on Hwy 92/Hwy 35. Crews are also using the Staging Yard at 50 Edwards Court in Burlingame to store equipment and materials.

**Table 1A – Segment 1 Construction Activities during August 2005**

<b>Week</b>	<b>Manhole Installation</b>	<b>Conduit Installation (linear feet)</b>	<b>Stubout Installation</b>	<b>Cable Pulling</b>	<b>Splicing</b>
July 31 – Aug 6	Manhole #16	300	NA	Manholes #7 to #8	Manhole #4
Aug 7 – Aug 13	NA	512	Manholes #16, #26		Manholes #4, #5, #6, #7, #9
Aug 14 – Aug 20	NA	815	Manhole #16	Manholes #9 To #14	Manholes #9, #10
Aug 21 – Aug 27	Manhole #17	670	NA	Manholes #14 To #15	Manholes #9, #10, #11, #12, #13
Aug 28 – Sept 3	NA	615	Manhole #17	NA	Manholes #8, #10, #11, #12, #13

NA – No Activity

**Environmental Compliance Activities:**

Bird surveys continued throughout the month and active nests were spot-checked for disturbance caused by construction activities.

Table 1B presents a summary of the non-compliance activities along Segment 1 during August.

**Table 1B – Segment 1 Non-Compliance Activities during August 2005**

Date	PG&E/Opus		CPUC/Aspen		Description
	Concern	Non-Compl	PM	NCR	
Aug 2	x				Leaking vehicles returning to ROW.
Aug 7	x				Working without notifying PG&E EI.
Aug 10	x				Inadequate ROW clean-up resulting in fugitive dust emissions.
Aug 14	x				Drainage inlets not protected during cleanup of a spill.
Aug 25	x				Sediment tracking at the watering area near Hwy 35/92.
Aug 29	x				Inadequate ROW cleanup resulting in fugitive dust emissions.
Aug 31		x			Inadequate ROW cleanup resulting in fugitive dust emissions.

PM – Project Memorandum

NCR – Non-Compliance Report

The CPUC EMs observed that all 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**

Table 2A presents the underground construction activities along Segment 2 during August. Underground crews worked Monday through Friday during the day on Skyline Boulevard conducting trenching operations. A PG&E EI was on-site during construction activities to inspect environmental compliance at the work sites. Traffic controls were in place at the construction sites including flaggers, signs, and cones.

Within the SFPUC Watershed, biological exclusion fencing was installed on Monday, August 15<sup>th</sup>, on the west side of the access road off Trousdale into the watershed. Crews began trenching activities along the access road on Monday, August 22<sup>nd</sup>, and continued throughout the month. A PG&E EI/Biological Monitor was on-site during all construction activities to inspect environmental compliance at the work site. On August 29, some tree trimming was done on some non-native trees that had been damaged by excavation activities. An Arborist was on site to observe the tree trimming operations.

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.

**Table 2A – Segment 2-Underground Construction Activities during August 2005**

Week	Manhole Installation	Conduit Installation (Linear Feet)	Stubout Installation	Cable Pulling	Splicing
July 31 – Aug 6	NA	1,000	NA	NA	NA
Aug 7 – Aug 13	NA	1,200	Manhole #33	NA	NA
Aug 14 – Aug 20	NA	1,200	NA	NA	NA
Aug 21 – Aug 27	NA	1,000	NA	NA	NA
Aug 28 – Sept 3	Manhole #38	600	NA	NA	NA

NA – No Activity

**Environmental Compliance Activities:**

Bird surveys continued throughout the month and active nests were spot-checked for disturbance caused by construction activities.

Table 2B presents a summary of the non-compliance activities along Segment 2 during August.

**Table 2B – Segment 2 Non-Compliance Activities during August 2005**

Date	PG&E/Opus		CPUC/Aspen		Description
	Concern	Non-Compl	PM	NCR	
Aug 22	x				Wash station water from temporary restroom facilities drained along SFPUC lands.
Aug 23	x				Excavator broke tree branches.
Aug 31	x				Star thistle seed brought onto SFPUC lands.

PM – Project Memorandum

NCR – Non-Compliance Report

The CPUC EMs observed that all 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 3**

Table 3A presents the underground construction activities along Segment 3 during August. Crews worked Monday through Friday during the day on Huntington Drive conducting trenching operations and installation of stubouts. During early-August, construction along Huntington Drive went slowly because of unmarked utilities and a void under the road left by the BART Project. Crews also worked Monday through Friday during the day on San Bruno Avenue conducting trenching operations and installation of stubouts. The first week of August, crews also worked nights, Sunday through Thursday, on San Bruno Avenue installing manholes. A PG&E EI was on-site during construction activities to inspect environmental compliance at the work sites. Traffic controls were in place at the construction sites including flaggers, signs, and cones

Crews continue to use their staging yard under Highway 380 just east of Huntington Avenue.

**Table 3A – Segment 3 Construction Activities during August 2005**

Week	Manhole Installation	Conduit Installation (linear feet)	Stubout Installation	Cable Pulling	Splicing
July 31 – Aug 6	Manholes #43, #45, #47, #48	200	NA	NA	NA
Aug 7 – Aug 13	NA	350	Manhole #41	NA	NA
Aug 14 – Aug 20	NA	300	Manholes #41, #42, #47	NA	NA
Aug 21 – Aug 27	NA	600	NA	NA	NA
Aug 28 – Sept 3	NA	500	NA	NA	NA

NA – No Activity

**Environmental Compliance Activities:**

Bird surveys continued throughout the month and active nests were spot-checked for disturbance caused by construction activities.

Table 3B presents a summary of the non-compliance activities along Segment 3 during August.

**Table 3B – Segment 3 Non-Compliance Activities during August 2005**

Date	PG&E/Opus		CPUC/Aspen		Description
	Concern	Non-Compl	PM	NCR	
Aug 9	x				Vehicle parking outside of ROW.
Aug 16	x				Inadequate containment and cleanup of excavated materials.
Aug 19	x				Inadequate protection of storm drains from sedimentation.
Aug 24	x				Inadequate ROW cleanup resulting in fugitive dust emissions.
Aug 25	x				Inadequate ROW cleanup resulting in fugitive dust emissions.

PM – Project Memorandum

NCR – Non-Compliance Report

The CPUC EM observed that all 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**

Table 4A presents the underground construction activities along Segment 4 during August. Crews worked Monday through Thursday during the day conducting trenching operations along the BART right-of-way. B&V Inspectors collected air and soil quality measurements during excavation activities in the BART right-of-way north of S. Spruce Street and no contaminants were detected. Crews also worked in the parking lot of the Boys and Girls Club north of W. Orange and into the BART right-of-way, and along Hillside Drive conducting trenching activities.

In early-August, the bore pits at 12 Mile Creek and Colma Creek were ready to begin drilling, but crews could not begin to bore at those locations until they received their OSHA approvals for the bore pit setups which were received later in the month. During the second week of August, groundwater was encountered

in the bore pits at Colma Creek. To drain the groundwater, a series of hosed and PVC pipes were connected from the baker tanks at the Colma Creek bore operation to the City of South San Francisco sewer main. Dewatering to the sewer main began Friday, August 12<sup>th</sup>. A permit from the South San Francisco Water Quality Department to discharge water to the City sewer was received on August 9<sup>th</sup>. On August 16<sup>th</sup>, the jack-and-bore operations started at 12 Mile Creek after OSHA approved the bore set-up and the bore was completed later in the week. On August 22<sup>nd</sup>, the jack-and-bore operations started at Colma Creek in the BART right-of-way.

A PG&E EI was on-site during construction activities to inspect environmental compliance at the work sites. Traffic controls were in place at the construction sites including flaggers, signs, and cones.

**Table 4A – Segment 4 Construction Activities during August 2005**

<b>Week</b>	<b>Manhole Installation</b>	<b>Conduit Installation (linear feet)</b>	<b>Stubout Installation</b>	<b>Cable Pulling</b>	<b>Splicing</b>
July 31 – Aug 6	NA	1,170	Manholes #49, #50, #51, #59	NA	NA
Aug 7 – Aug 13	Manhole #60	980	Manholes #54, #58, #59, #60	NA	NA
Aug 14 – Aug 20	Manhole #60	1,100	Manholes #54, #55, #59	NA	NA
Aug 21 – Aug 27	Manhole #53	900	Manholes #52, #53, #54	NA	NA
Aug 28 – Sept 3	NA	1,100	Manhole #53	NA	NA

NA – No Activity

**Environmental Compliance Activities:**

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

No non-compliances or concerns were issued by PG&E’s EIs during the subject month for Segment 4.

The CPUC EM observed that all 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**

Table 5A presents the underground construction activities along Segment 5 during August. Crews worked Monday through Friday during the day conducting trenching operations on the east side of San Bruno Mountain on Guadalupe Canyon Parkway and at the intersection of Bayshore Boulevard and Industrial Way. Crews also worked Sunday through Thursday during the night conducting tie-in work at the intersection of Bayshore Boulevard and Guadalupe Canyon Parkway. A PG&E EI was on-site during construction activities to inspect environmental compliance at the work sites. Traffic controls were in place at the construction sites including flaggers, signs, cones, and k-rail.

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.

**Table 5A – Segment 5 Construction Activities during August 2005**

<b>Week</b>	<b>Manhole Installation</b>	<b>Conduit Installation (linear feet)</b>	<b>Stubout Installation</b>	<b>Cable Pulling</b>	<b>Splicing</b>
July 31 – Aug 6	NA	716	NA	NA	NA
Aug 7 – Aug 13	Manhole #73	420	NA	NA	NA
Aug 14 – Aug 20	Manhole #74	650	Manhole #73	NA	NA
Aug 21 – Aug 27	Manhole #74	40		Manholes #66 to #70	NA
Aug 28 – Sept 3	NA	115	Manhole #74	Manholes #66 to #67, #69 to #70, #73 to #74	NA

NA – No Activity

**Environmental Compliance Activities:**

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

Table 5B presents a summary of the non-compliance activities along Segment 5 during August.

**Table 5B – Segment 5 Non-Compliance Activities during August 2005**

<b>Date</b>	<b>PG&amp;E/Opus</b>		<b>CPUC/Aspen</b>		<b>Description</b>
	<b>Concern</b>	<b>Non-Compl</b>	<b>PM</b>	<b>NCR</b>	
Aug 1	<b>x</b>				No Native American monitor present.

PM – Project Memorandum

NCR – Non-Compliance Report

The CPUC EM observed that all 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 6 presents the NTPs issued by the CPUC for the Jefferson-Martin Project to date. With the exception of an NTP for the permanent Crystal Springs Dam crossing, no additional NTPs are anticipated.

**TABLE 6  
NOTICES TO PROCEED**

(Updated 9-8-05)

<b>NTP #</b>	<b>Date Issued</b>	<b>Description</b>
#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
#6	8-03-05	Segment 2 Underground in the SFPUC Watershed
#7	8-10-05	Martin Substation
#8	8-26-05	Segment 2 Overhead
#9	9-01-05	Jefferson Substation expansion area and construction of the temporary Lower Crystal Springs Overhead Dam Crossing

**ENVIRONMENTAL COMPLIANCE:**

Three Non-Compliance Reports (NCR) and seven Project Memorandums (PMs) have been issued by the CPUC EMs for the project to date (see Table 7).

**TABLE 7**  
**ENVIRONMENTAL COMPLIANCE STATUS**  
(Updated 9-8-05)

<b>Project Memo or NCR</b>	<b>Date Issued</b>	<b>Description</b>	<b>Follow-Up Activities</b>
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
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 a proposed staging yard for Segment 4 off of Hillside Drive in the City of Colma. After the provision of additional information, Variance Request #9 was approved by CPUC on August 17.

On July 22, Variance Request #10 was submitted to change the configuration of the expansion of the Jefferson Substation. After the provision of additional information, Variance Request #10 was approved by CPUC on August 31.

On August 4, Variance Request #11 was submitted for the intrusion of cable trailers onto the vegetated shoulder at seven (7) locations along Segment 1. Variance Request #11 was approved by CPUC on August 18.

On August 18, Variance Request #12 was submitted for additional workspace along the road of Segment 2 Underground in the SFPUC Watershed. Variance Request #12 was approved by CPUC on August 22.

**TABLE 8**  
**VARIANCE REQUEST STATUS**  
(Updated 9-8-05)

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.	Approved	8-17-05
10	7-22-05	Expansion of Jefferson Substation	Approved	8-31-05
11	8-04-05	Intrusion into vegetated shoulder at 7 locations along Segment 1.	Approved	8-18-05
12	8-18-05	Additional workspace along road in Segment 2 underground in the SFPUC Watershed.	Approved	8-22-05

**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 periodically spoke with Dave Johnston of CDFG, Mary Hammer of USFWS, the BART Inspectors, the City of San Bruno Inspectors, the Colma Inspector, and the City of Brisbane Inspector regarding project related issues.



## Photographs



**Figure 1** – Crews conducting cable pulling at Manhole #14 on Cañada Road, Segment 1, August 18, 2005



**Figure 2** – Crews conducting trenching activities on Skyline Boulevard south of Manhole #33, Segment 2 Underground, August 23, 2005



**Figure 3** – Excavation of Manhole #41 stubouts along San Bruno Ave, Segment 3, August 12, 2005.



**Figure 4** – Bore pit shored on South side of Colma Creek, Segment 4, August 24, 2005



**Figure 5** – Trenching activities and conduit installation on east side of San Bruno Mountain along Guadalupe Canyon Parkway, Segment 5, August 11, 2005.