



# **Aspen** *Environmental Group*

## **PROJECT MEMORANDUM LODI GAS KIRBY HILLS NATURAL GAS STORAGE FACILITY PROJECT**

**To:** Junaid Rahman, CPUC  
**From:** Vida Strong, Aspen Project Manager  
**Date:** October 12, 2006  
**Subject:** Weekly Report #20: October 1, 2006 – October 7, 2006  
**CPUC Environmental Monitors (EM):** Jody Fessler

CPUC EM Jody Fessler was on site October 3<sup>rd</sup> and 5<sup>th</sup>.

### **PIPELINE SEGMENT:**

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

All 16-inch pipeline work has been completed (except for where it connects into the Compressor Station and the Metering Station), as well as right-of-way cleanup. All of the affected landowners have signed off on the work as acceptable.

The cleanup of the staging area off Shiloh Road is complete; equipment and materials have been moved off the site and the area tilled per the specifications of the landowner.

#### **Environmental Compliance Activities:**

The CPUC EM observed that construction activities were in compliance with mitigation measures adopted in the MND and other permit requirements.

#### **WELL SITES:**

Work at the well sites was ongoing throughout the week.

On Tuesday, crews installed erosion controls at well site S-1 and excavated for the light pole and distribution panel foundations (see Figure 1). Installation of erosion controls and conduit for instrumentation continued throughout the week.

On Monday, the drilling rig completed drilling of well S-2A and set the casing. On Tuesday, crews moved the drilling rig to well S-2B and began drilling operations (see Figure 2). Crews also began installing erosion controls (see Figure 3). Wednesday through Saturday, crews continued installing erosion controls and drilling on well S-2B.

Throughout the week, crews worked on installing conduit for lighting and instrumentation for well site S-10. In addition, crews worked on the installation of erosion controls.

Water trucks were observed regularly watering the sites and roads for dust control and were present during welding activities.

**Environmental Compliance Activities:**

The CPUC EM observed that construction activities were in compliance with mitigation measures adopted in the MND and other permit requirements.

**KIRBY HILLS COMPRESSOR STATION SITE:**

Work at the Kirby Hills Compressor Station took place Monday through Saturday of this week, including foundation work, piping fabrication, grounding work, and sandblasting and coating of piping. On Monday, crews completed the fabrication and installation of the 12-inch runs and risers in the pipe alleyway, worked on the fabrication of the small bore gas piping, completed setting rebar for the compressor building floor foundation, removed forms from the cable tray support foundations, and received approval from the Solano County inspector for the compressor building foundation floor for concrete placement. On Tuesday, crews continued the small bore gas pipe fabrication, pump pipe fabrication and installation, and poured concrete for the compressor building floor. On Wednesday, crews continued the small bore gas pipe fabrication, removed forms at the compressor building floor foundation, and constructed forms for pipe supports. On Thursday, crews continued fabrication for small bore gas and pump piping, installed fabricated piping onto vessels, constructed forms for pipe supports, and began erection of the compressor building (see Figures 4 and 5). On Friday, crews continued fabrication for small gas and pump piping, prepared for pipe installation at the compressor suction/discharge, constructed forms for pipe supports, and continued erecting the compressor building. On Saturday, and crews continued to do grounding work and sandblasting and coating of piping.

Water trucks were observed regularly watering the site for dust control.

**Environmental Compliance Activities:**

The CPUC EM observed that construction activities were in compliance with mitigation measures adopted in the MND and other permit requirements.

**METERING STATION SITE:**

Piping fabrication for the Metering Station is ongoing at the Compressor Station yard.

On Monday, PG&E personnel removed forms from the building foundation and the LGS meter building arrived and was unloaded at the compressor facility. On Tuesday, crews hauled one load of fabricated piping to the meter station and PG&E crews prepared piping and supports for the metering area (see Figure 6). On Wednesday, crews hauled a second load of fabricated piping to the meter station, began excavation for the 16-inch pipe to the pig launcher, and PG&E crews prepared piping and supports for the metering area. On Thursday, the piping excavation was completed at the Metering Station. On Friday, the PG&E building arrived and was offloaded at the site.

**Environmental Compliance Activities:**

The CPUC EM observed that construction activities were in compliance with mitigation measures adopted in the MND and other permit requirements.

**NOTICES TO PROCEED (NTP):**

Table 1 presents the NTPs issued by the CPUC for the Lodi Gas Kirby Hills Project to date. No additional NTPs are anticipated.

**TABLE 1**  
**NOTICES TO PROCEED**  
(Updated 10-12-06)

NTP #	Date Issued	Description
#1	5-19-06	Pipeline Portion
#2	5-31-06	Civil (grading) and piping construction of the well sites, and civil (grading) construction of the compressor station
#3	7-05-06	Compressor station and well site construction. Drilling of three new storage wells.
#4	6-20-06	Civil portion only of the natural gas receiving/metering station
#5	9-06-06	Metering station foundation, structural, piping, electrical, and instrumentation construction. County permit pending.

**VARIANCE REQUESTS:**

Table 2 presents the Variance Requests reviewed and approved by the CPUC for the Lodi Gas Kirby Hills Project to date. No Variance Requests were submitted during the subject week.

**TABLE 2**  
**VARIANCE REQUESTS**  
(Updated 10-12-06)

Variance #	Date Requested	Date Issued	Description
#1	6-01-06	6-05-06	Request to trench through ephemeral wetland area approximately 70 ft. west of Olson Road.
#2	5-31-06	6-08-06	Lodi gas would like permission to trench through an area with a CNPS listed plant (pappose spikeweed). CPUC approval contingent upon CDFG concurrence. 6/21 – CDFG feedback provided and forwarded to J&S.
#3	6-16-06	6-16-06	Request to trench through two ephemeral wetland areas west of Shiloh Road.
#4	6-27-06	6-28-06	Request for additional workspace on the west side of Shiloh Road for the Shiloh bore.
#5	6-28-06	6-29-06	Request for removal of two small eucalyptus trees and trenching through the root system of two larger trees.
#6	7-07-06	7-07-06	Request to use additional workspace at the corner of Shiloh Road and the Kirby Hills access road to support large vehicles and equipment being transported to the Kirby Hills site.
#7	7-07-06	7-18-06	Request to relocate a PG&E distribution line around the S-2 well site. CPUC has requested historical resource information on the drilling “dog house” that is near the site. Jones & Stokes submitted information on 7/17/06.
#8	7-07-06	7-07-06	Request to move the 4-inch temporary gas line.

**ENVIRONMENTAL COMPLIANCE:**

One Project Memorandum has been issued by the CPUC EM for the project to date. On June 27<sup>th</sup>, the CPUC EM observed dump trucks dumping spoils from the Kirby Hills site on a levee road in an adjacent wetland area. This activity was not described in the project description. The CPUC EM requested to review permits for this activity. The landowner provided Lodi Gas with the 2006 Annual Application for the USACE Wetlands Maintenance, a copy of a letter from the USACE to the Suisun Resource Conservation District dated May 31, 2006, and a letter from the Suisun Resource Conservation District to the landowner dated June 5, 2006. The CPUC EM reviewed these documents and has concluded that the work activities are in compliance with the USACE approval. The Project Memorandum serves as a reminder that all permits for construction activities related to the Kirby Hills Natural Gas Storage Facility project be submitted and approved by the CPUC. Also, if changes to project activities as described in the MND occur, a Variance Request shall be submitted.

No Non-Compliance Reports (NCR) have been issued by the CPUC EM for the project to date.

**UPCOMING ITEMS:**

Starting in September, Lodi Gas began holding conference calls on an as needed basis in coordination with the CPUC/Aspen Project Manager.

## Photographs



**Figure 1** – Erosion controls (jute matting) being installed at well site S-1, October 5, 2006.



**Figure 2** – Drill rig at well site S-2, October 5, 2006.



**Figure 3** – Erosion controls (jute matting) being installed at well site S-2, October 5, 2006.



**Figure 4** – Compressor building being erected at the Compressor Station, October 5, 2006.





**Figure 5** – Crews working on pipe fabrication at the Compressor Station, October 5, 2006.



**Figure 6** – PG&E working on pouring cement pipe supports at the Metering Station, October 3, 2006.