



# **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:** September 28, 2006  
**Subject:** Weekly Report #18: September 17, 2006 – September 23, 2006  
**CPUC Environmental Monitors (EM):** Jody Fessler

CPUC EM Jody Fessler was on site September 19<sup>th</sup> and 21<sup>st</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 and Wednesday, crews excavated for pipe supports at well site S-1. On Thursday, crews set the cellar box for the new well at S-1.

On Tuesday, crews excavated for pipe supports and set up a small drilling rig for pilot hole and drilling preparation at well site S-2 (see Figure 1). On Wednesday, crews excavated for the pipe supports and started drilling the pilot hole at well site S-2 and completed the drill on Thursday. On Friday, crews leveled the well pad area, and spread crushed rock on site and along roads in preparation for the large drill rig.

On Tuesday and Wednesday, crews excavated for pipe supports at well site S-10.

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.

At the Kirby Hills Compressor Station, crews conducted foundation work and piping fabrication throughout the week (see Figures 2, 3, and 4). On Monday and Tuesday, crews welded and installed the 12-inch piping in the alleyway to MAK-6100 and MAJ-6500, completed the installation of the small bore piping to the air receivers, installed piping and trim in the tank and pump areas, sandblasted and coated piping, worked on the compressor building foundation, and continued grounding work. On Tuesday, crews also worked on the cable tray support foundations. On Wednesday, crews installed pipe in fuel gas heater and 12-inch pig launcher areas, installed piping and trim in the tank and pump areas, sandblasted and coated piping, worked on the compressor building foundation, worked on cable tray support foundation and continued grounding work. On Thursday, crews worked on the compressor building foundation, completed piping installation to the fuel gas heater, prepared 12-inch pig launcher for hydrotest pressured up to 1000 psi for stabilization, installed piping and trim in the tank and pump areas, sandblasted and coated piping, and continued grounding work. Also on Thursday, Solano County inspected and approved foundations for concrete placement. On Friday, crews began pouring concrete for the compressor building, completed hydrostatic testing of the 12-inch pig launcher and associated piping, and continued grounding installation. There was a large fire in the Suisun City area that closed concrete truck access and the foundation for the compressor building was not completed. Also, extremely high winds caused the contractor to shut down welding and all crane related operations for safety purposes. On Saturday, grounding work continued at the Compressor Station.

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:**

On Tuesday, PG&E crews prepared their main 32-inch pipeline for the “hot tap” (see Figure 5). On Thursday, piping fabrication for the meter site got underway at the Compressor Station. Also on Thursday, Solano County granted permission to place the concrete on a prepared foundation at the Metering Station.

### **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.

**TABLE 1**  
**NOTICES TO PROCEED**  
(Updated 9-28-06)

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.

**TABLE 2**  
**VARIANCE REQUESTS**  
(Updated 9-28-06)

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** – S-2 Well Site - Crews drilling pilot hole for new well, September 19, 2006



**Figure 2** – Piping work on tanks at Compressor Station, September 21, 2006



**Figure 3** – Foundation work around compressors at Compressor Station, September 21, 2006.



**Figure 4** – Piping work at Compressor Station, September 21, 2006.



**Figure 5** – PG&E working at Metering Station conducting preparation work to tap into their 32-inch gas line, September 19, 2006.