



# **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 22, 2006  
**Subject:** Weekly Report #17: September 10, 2006 – September 16, 2006  
**CPUC Environmental Monitors (EM):** Jody Fessler

CPUC EM Jody Fessler was on site September 12<sup>th</sup> and 14<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 took place on and off Monday through Saturday of this week.

On Monday crews fabricated and installed the 2-inch air lines at well site S-1.

On Monday, crews backfilled the pipe trenches and completed the well pad clean-up activities at well site S-2. On Friday, crews installed cellars at the future well locations in preparation for drilling.

On Monday, crews fabricated and installed the 2-inch air lines and modified the temporary compressor configurations to improve the temporary injection gas flow at well site S-10. On Saturday, crews trenched for conduit installation.

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, pipe excavation, piping fabrication, and grounding work throughout the week (see Figures 1 & 2). On Monday, crews de-watered the 16-inch piping from last week's hydrostatic test, fabricated the 8-inch piping for the VS-5000, installed tank trim, poured concrete for the tank area containment and pump foundations, and continued grounding work. On Tuesday, crews stripped the forms for the tank area containment and pump foundations, ran a series of cleaning and drying pigs in the 16-inch pipe previously hydrotested, prepared the slug catcher piping for installation, prepared the compressor building foundation for the concrete pour, continued sandblasting and coating of the piping, and set the station PLC into the control room. On Wednesday, crews welded sections of the slug catcher together, completed the 16-inch weld to tie the 16-inch pipeline into the station inlet and began backfilling this section, moved portions of the fabricated piping for underground installation, continued to install the tank trim, poured concrete for the compressor building grade beams and bottom portions, completed grounding to the tanks in the tank farm area, and installed portions of the power cable. On Thursday, crews installed the 12-inch piping in the 6100 filter, air compressor, and launcher areas. Crews also installed piping in the underground alleyway, continued to install tank trim, set forms, installed rebar, and prepare compressor building foundation for concrete. On Friday, crews installed miscellaneous piping, installed the tank trim, continued to prepare the compressor building foundation for concrete, and continued sandblasting and coating the pipe and grounding installation. On Saturday, crews installed piping at the air compressor area, installed tank trim, continued to prepare the compressor building foundation for concrete, sandblasted and coated piping and continued grounding work.

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 performed a piping hydrostatic test (see Figure 3). On Friday, the County Inspector performed an inspection of the foundations ready for concrete placement. The foundations were found to have certain components not in line with the approved drawings. The Inspector will submit a report to the County Permits Supervisor for approval or rejection.

**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 9-22-06)

| 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**  
(Updated 9-22-06)

| 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** – Pipe fabrication at Compressor Station, September 14, 2006



**Figure 2** – Work at Compressor Station, September 14, 2006



**Figure 3** – PG&E crews at the Metering Station hydrotesting the pipeline, September 12, 2006.