



---

235 Montgomery Street, Suite 935, San Francisco, CA 94104-3002  
Tel. 415-955-4775, Fax 415-955-4776, www.aspeneg.com

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

**To:** Junaid Rahman, CPUC  
**From:** Vida Strong, Aspen Project Manager  
**Date:** February 1, 2007  
**Subject:** Weekly Report #35: January 21, 2007 – January 27, 2007

**CPUC ENVIRONMENTAL MONITOR (EM):** Jody Fessler

The CPUC EM was on site on Tuesday, January 23, 2007.

**PIPELINE SEGMENT:**

**Summary of Activity:**

All 16-inch pipeline work has been completed, as well as right-of-way cleanup. All of the affected landowners have signed off on the work as acceptable. The right-of-way is revegetating well.

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.

**WELL SITES:**

Work at the well sites occurred Monday through Saturday of the subject week (see Figures 1-3). On Monday, crews constructed forms for light pole foundations for the well sites. On Tuesday, crews poured concrete for the light pole foundation lower footing. On Thursday, crews installed sand probes on meter runs for three existing wells, installed orifices on new well piping systems, and installed various instrument valves, gauges, etc.

On Monday, electrical and instrumentation crews completed instrument terminations in the I/O cabinets for Well Site S-1. On Thursday, crews mounted manifold for instrument air, and electrical and instrumentation crews terminated field instruments. On Friday, electrical and instrumentation crews installed an instrument air at Well Site S-1 and put the fiber optic system in service. On Saturday, electrical and instrumentation crews completed instrument tubing for Well Site S-1A and began loop checks for that well site.

On Monday, crews backfilled and compacted soil at Well Site S-2, and electrical and instrumentation crews installed conduit drops. On Tuesday, crews formed and poured concrete for the distribution panel and poured concrete for the pig launcher containment. Electrical and instrumentation crews installed conduit to instruments at Well Site S-2 on Tuesday. On Wednesday, crews removed forms for the concrete pours at Well Site S-2, and electrical and instrumentation crews ran lighting conduit. On Thursday, electrical and instrumentation crews mounted panels and a distribution rack. On Friday, electrical and instrumentation crews mounted a frame and three panels for the distribution rack. On Saturday, electrical and instrumentation crews completed mounting devices on the distribution panels at Well Site S-2.

On Monday, electrical and instrumentation crews completed instrument terminations in the I/O cabinets for Well Site S-10. On Friday, electrical and instrumentation crews put the fiber optic system in service.



**KIRBY HILLS COMPRESSOR STATION SITE:**

Work at the Kirby Hills Compressor Station took place Monday through Saturday (see Figures 4 & 5). No civil or mechanical activities took place on Friday or Saturday. Crews conducted the following activities:

- Monday through Thursday, crews installed ladders, grating and handrails for the exhaust stack frames; completed assembly of the walkway structure in the compressor building; fabricated and installed miscellaneous pipe supports; tightened and torqued flange bolts on the contact tower; continued installing equipment grout; constructed forms for the stair supports at the MCC building; poured concrete for the MCC building stairs, chromatograph foundation, and the Fuel Gas Filter platform foundation; completed installation of the tank containment; installed tie-down clips on the exhaust skids; installed barbed wire strands around the top of the chain link fence; prepared and painted small bore piping around vessels; sandblasted and applied primer coat to the slug catcher and the gas piping; installed clamps on the slug catcher; and worked on “punch list” items.
- Monday through Saturday, crews conducted electrical and instrumentation work which included: repairing a conduit drop at the main gate, commissioning the UPS system, terminating lighting connections in the compressor yard area, checking instrument loops between the MCC and the main PLC, connecting and testing Urea tank level transmitter and slave dosing panel, mounting equipment for the urea tank level switch, completing conduit for the urea tank level transmitter, completing checking the lights for compressor building and yard, and pulling wire for the urea level transmitter.

**METERING STATION SITE:**

PG&E crews worked throughout the week at the Metering Station commissioning their system (see Figure 6). On Monday, Lodi Gas electrical and instrumentation crews conducted PLC wiring modifications at the meter site. On Wednesday and Thursday, fence installation around the meter site occurred.

**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 02-01-07)

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 02-01-07)

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:**

As previously reported, Lodi Gas began commissioning of the South Compressor in November. The North Compressor has now been commissioned as well.

## Photographs



**Figure 1** – Crews working at Well Site S-1, January 23, 2007



**Figure 2** – Crews pouring cement at Well Site S-2, January 23, 2007.



**Figure 3** – Well Site S-10, January 23, 2007.



**Figure 4** – Looking down on Compressor Station Yard from hills to the west, January 23, 2007.



**Figure 5** – Inside Compressor Building at Compressor Station Yard, January 23, 2007.



**Figure 6** – Crews working at the Metering Station, January 23, 2007.

