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**PROJECT MEMORANDUM  
KIRBY HILLS NATURAL GAS STORAGE FACILITY PROJECT, PHASE 2**

**To:** Junaid Rahman, CPUC  
**From:** Vida Strong, Aspen Project Manager  
**Date:** November 14, 2008  
**Subject:** Report #19: November 2, 2008 – November 8, 2008

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

CPUC EM Jody Fessler was on site Friday, November 7<sup>th</sup>.

**WELL SITES:**

**Summary of Activity:**

**Well Site 21 (WS-21)**

On Tuesday, crews installed forms for the pipe supports and a hydroseeding company arrived and began hydroseeding the slopes around the well pad. On Wednesday, crews installed rebar and forms for the pipe supports and fabricated well site piping. Hydroseeding was completed at that site on Wednesday. On Thursday and Friday, crews continued pipe fabrication and began installation of well site piping.

**Well Site 22 (WS-22)**

Tuesday through Thursday, crews installed rebar and forms for the pipe supports (see Figure 1). Hydroseeding was conducted on the slopes around the well site on Wednesday.

**Well Site 23 (WS-23)**

Monday and Tuesday, Ensign Drilling continued to drill at WS-23-14. On Wednesday, drilling of WS-23-14 was completed and crews began disassembly of the drilling rig. Thursday through Saturday, crews continued disassembly of the drilling rig. On Thursday, hydroseeding took place on the slopes around the well site.

**Observation Well Lambie 6 (Well L6)**

No work activities occurred at Well L6 during the subject week.

**Observation Well Lambie 7 (Well L7)**

No work activities occurred at Well L7 during the subject week.

**PIPELINE:**

**Summary of Activity:**

No work activities occurred on the pipeline during the subject week.

**ACCESS ROADS:**

**Summary of Activity:**

No work activities occurred on the access roads during the subject week. The access roads are being used by construction vehicles and equipment to access the construction sites.

**STAGING AREAS:**

**Summary of Activity:**

Crews are utilizing the temporary work area/staging yard on the north side of the compressor station for materials storage, equipment storage, welding operations, and pipe fabrication.



**COMPRESSOR STATION SITE:****Summary of Activity:**

There was little activity on Monday and Tuesday at the compressor station site due to rain. Wednesday through Friday, crews stockpiled truck loads of cover rock and installed some of the rock. Crews also continued the installation and coating of miscellaneous underground piping and fabrication of miscellaneous piping spools (see Figures 2 and 3). Hydroseeding took place around the compressor station on Friday (see Figure 4).

**Environmental Compliance:**

The CPUC EM observed that all work activities were in compliance with the approved Mitigated Negative Declaration and other permit requirements. The CPUC EM reviewed LGS' Environmental Inspector's (EI) daily reports and survey reports. Environmental training of crew personnel by LGS's EI was on-going as new crew personnel came onto the site. Sensitive environmental areas were staked, flagged, and/or fenced. The wetland area near WS-23 was fenced off and had silt fencing installed on the upslope side so potential erosion from WS-23 would not enter the wetland area. Erosion controls were in place and functioning at all work sites. The refueling tank and other small cans at the compressor station were surrounded with secondary containment. The sites were cleaned of trash on a daily basis.

**NOTICES TO PROCEED (NTP):**

To date, six Notices to Proceed (NTPs) have been issued for the Kirby Hills Natural Gas Storage Facility Phase II Project (see Table 1). Additional NTPs are anticipated for the project.

**TABLE 1**  
**Notice to Proceed Requests**  
(Updated 11-14-08)

NTP #	Date Requested	Date Issued	Description
#1	4-11-08	4-21-08	Request authorization from the CPUC to commence with construction activities associated with three new wells (Well Sites 21, 22, and 23), a 2,700-foot-long pipeline (flow line), and access roads and staging areas for Phase II of the Kirby Hills Natural Gas Storage Facility Project.
#2	4-11-08	4-20-08	Request authorization from the CPUC to commence with reentry and conversion of Wells Lambie 6 and Lambie 7 to observation wells for Phase II of the Kirby Hills Natural Gas Storage Facility Project.
#3	5-2-08	5-6-08	Request a NTP from the CPUC for PG&E's hot tapping work at the Kirby Hills Natural Gas Storage Facility meter station, located west of Birds Landing Road in Solano County.
#4	4-29-08	5-7-08	Request authorization from the CPUC to commence with the civil, mechanical, electrical, and instrumentation work at the compressor station facility of the Kirby Hills for Phase II of the Kirby Hills Natural Gas Storage Facility Project.
#5	5-23-08	N/A	Request authorization from the CPUC for extra work space at the corner of Shiloh Road and the access road to Kirby Hills. This work space was already approved under NTP #1 and therefore NTP #5 is not necessary. Wetland areas within the work space will be totally avoided.
#6	6-9-08	6-13-08	Request to install compressor units on foundations at Compressor Station.

**VARIANCE REQUESTS:**

No Variance Requests have been submitted to the CPUC to date.

# PHOTOGRAPHS



**Figure 1** – Well site 22 (WS-22), November 7, 2008.



**Figure 2** – Piping at Compressor Station, November 7, 2008.



**Figure 3** – Compressors at Compressor Station, November 7, 2008.



**Figure 4** – Crews Hydroseeding around the Compressor Station, November 7, 2008.