



Daily Report 01/24/14

Tetra Tech

This report describes activities completed 1/24/14 through 1/26/14 and planned for 1/27/14.

Directive #1 – Indoor Air

- Draft Concept Plan for phased approach to indoor air monitoring plus installation of alarm systems and ventilation systems was submitted to DNR on 12/13/12 for comments; the detailed Work Plan was submitted to DNR on 1/14/13 for comments.
- Installed a total of 91 detectors at 42 locations. No positive alarms have occurred to date for either % LEL or H2S.
- A total of ten monitoring pairs and associated transmitters have been provided to Assumption Parish, at their request.
- Continued daily monitor calibration.
- Completed visual inspection and maintenance of the under slab ventilation systems. Liquids found in the systems were removed and transported to the storage tank located at ORW-22.

Plan for today:

- Continue monitor calibration.
- Continue indoor air monitoring.
- Continue ventilation system operation, maintenance, and monitoring.

Directive #2 – Additional Relief Wells and Directive #3 – Overall Plan as Corrected

- Met with DNR/Shaw on 1/24/13; reached agreement on well designs.
- Radius of Influence (ROI) wells are installed at well pads ORW-5 and ORW-9.
- The field portion of ROI testing was completed July 21st. Report is being finalized.
- WHE sonic crew grouted ORW-55 to the surface without incident. Demobilized the drill rig.
- Thompson Engineering CPT rig mobilized to 1439 HWY 70 (TBC owned property). Advanced cone advanced to 124.58 ft bgs. Cone was removed and the bore hole was pressure grouted to the surface without incident.
- The rig was mobilized to the next location – proposed ORW-57.
- WHE track sonic rig grouted the inclinometer casing to the surface (Pisani oversight). Demobilized the equipment to the lay down yard.
- WHE crew drilled and installed PVW-02 at the NSDMW006 location near the Hwy 70 bridge over Bayou Corne.
- Thompson Engineering CPT rig mobilized to CPT-126W (proposed ORW-57) east of the TBC access road. The cone was advanced to 136.98 ft bgs. The cone was removed and the bore hole was pressure grouted to the surface without incident.

- WHE removed the tubing and packers at GOW-5-2, GOW-5-3 & GOW-5-4. Filled each well with grout. Also, filled GOW-5-1 with grout.
- WHE installed bollards at Flare 6.
- WHE flushed the sand filter pack from ORW-5, removed the drop tubing, and topped off the grout in the abandoned ROI wells at ORW-5.
- WHE built fences around PVW-03 and PVW-02.
- WHE demobilized drill pipe and board mats from ORW-55 location, and installed bollards at ORW-26, the new inclinometer and the Geophone on the west berm.
- 120 Cubic Yards of sand placed for the ORW-57 access road; filled in low spots on the road; added material to the drill pad area.

Plan for today:

- WHE grout ORW-5; mobilize equipment to ROI wells at ORW-9.
- WHE prepare for surface completion pads at ORW-55 & 56; install bollards.

Directive #4 – Operation of All Wells

- Flares #2, #3, #4, #5, and #6 are operating. One additional flare, and a trailer-mounted backup flare, are available as needed. TBC Flare #1 will require insulation repair prior to being put into service.
- Well work overs are ongoing for all low-producing and non-flowing wells.
- Barton meters have been installed on flowing wells; performed routine maintenance.
- Performed daily flare operation and maintenance.
- Performed daily relief well operation and maintenance.
- Removed the ¼" orifice and replaced it with a 1/8-inch plate at ORW-54. Choke is set at 1.5 with 43 psi measured at the well head.
- Brought ORW-18 on-line; well head pressure: 50 psi.
- Brought ORW-56 on-line with a 1/16" orifice plate; well head pressure: 15 psi.
- Assembled RediFlo-3 pump cooling shroud, hose, electrical and support cable for test run at ORW-43.
- Replaced temporary well head at ORW-56 with permanent well head; completed meter run and flare connections. Brought on line; well head pressure: 46.5 psi.
- Flushed water and sand from the gas conveyance lines from Triche road wells (55, 56, 53, 52, 46) to flare 6; the flare station was shut down during the process, and restarted after.
- Flushed water from the gas conveyance line from OGRW-1 to flare 2; the flare station was shut down during the process, and restarted after.
- Installed transducers in ORW-54 and ORW-56.



Plan for today:

- Complete daily flare, Barton meter, generator, and compressor operation and maintenance activities.
- Continue well dewatering.

Directive #5 – Sinkhole Containment

- Submitted original sinkhole containment design in Joint Application to OCM and COE on 2/14/13.
- A pre-construction meeting for the original containment system was held on-site on 3/14/13 for TBC and contractors.
- Construction of the original sinkhole containment system began 4/1/13; construction was completed 9/23/13.
- During late October 2013 and mid-December 2013, cracks and a drop in elevation occurred along the southern levee of the original containment system. Increased seismic activity was noted at these times.
- During the week of January 6th, 2014 a new Emergency Use Authorization was submitted and approved for constructing a new southern levee approximately 500 to 1300 feet south of the southern levee of the original containment system.
- Completed visual inspection of existing levee.

New South Containment Levee

- Construction of the new south containment levee began on 1/8/2014. Tree clearing for this new levee was completed January 15, 2014. The construction of the new southern levee is anticipated to be completed in April 2014.
- Rock's Trucking imported 1580 cubic yards of sand to the site over the weekend, weather and road closures permitting. Total length of the south containment levee completed to date: 2354 feet. The sand placed on the south berm was primarily used to build up low areas and to prepare for wet weather this coming week. Also began building the west berm tie-in point; completed an area of roadway 70' long and 20' wide.
- Completed water surface elevations with laser sight. Friday (1/24/2014) elevations: bayou: 1.0 ft above mean sea level (AMSL), containment: 0.6 ft AMSL; Saturday (1/25/2014) elevations: bayou: 0.9 ft AMSL, containment: 0.5 ft AMSL; Sunday elevations: bayou: 0.8 ft AMSL, containment: 0.4 AMSL.

Plan for today:

- Inspect original levee.
- Rock's Trucking to continue importing sand and constructing the new south levee.