



Daily Report 02/13/14

Tetra Tech

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 90 detectors at 41 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 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.
- Connected the meter run and Barton meter to the temporary well head at ORW-57. Static well head pressure was 52 psi. Began flowing the well; well head pressure increased to 57 psi.
- Set unistrut stands for the meter run at ORW-58. Left the meter run in a temporary connection until the surface completion is finished (anticipate today). Opened the well to the flare; well head pressure dropped from 35 psi to 23 psi by the end of the day; shut-in the well for the night.
- Dismantled the meter run and piping from ORW-38 to the separator. Moved the meter run to ORW-21.
- Rock's Trucking used the excavator to grade the well pad at ORW-57, and repaired sand wash-outs noted in the Storm Water Pollution Prevention Plan (SWPPP) inspection.
- Installed fence posts and wire screen backing on the east side of Triche Road, from ORW-53 to ORW-55, including around the ORW-55 well pad.
- Installed 1480 linear feet of fence posts and 575 linear feet of wire screen backing on the ORW-57 access road.
- WHE built surface completion forms at 4 ORW-55, 56, 57, and 58.

Plan for today:

- Continue pump test of ORW-38.
- WHE pour concrete for surface completions at ORW 55, 56, 57, 58, weather permitting.
- Continue constructing silt fencing on ORW-57 access road and Triche Road.

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.
- Replaced the thermo-couple at Flare 2 and cleaned the flame arrestor; 1.5 hours of downtime.

Plan for today:

- Complete daily flare, Barton meter, generator, and compressor operation and maintenance activities.
- Continue well dewatering.
- Operate and monitor ORW-58.

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 also 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 the existing containment levee.
- Measured surface elevations of water in the Bayou and inside the containment area using laser sight. Bayou water elevation: 1.2 ft AMSL; Containment water elevation: 0.6 ft AMSL.



- Completed a Storm Water Pollution Prevention Plan (SWPPP) inspection in response to rain.

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 south levee is anticipated to be completed in April 2014.
- No materials were imported to the site due to rain. No levee construction was completed. Total new south containment levee completed to date is approximately 3526 linear feet.

Plan for today:

- Rock's Trucking continue construction of the new south containment levee.