



Daily Report 02/06/14

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 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 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 operated new drill rig at ORW-58; representatives from the manufacturer (Geoprobe) were on site to monitor the operation. Sonically advanced the 8-inch casing to 114 ft bgs. Obtained soil sample cores from 114 ft bgs to 124 ft bgs, and 124 ft bgs to 134 ft bgs. Sealed the casing for the evening.

Plan for today:

- Begin 30-day pump test at ORW-38
- WHE complete ORW-58 to depth (149'); build the well to the bentonite seal.
- Complete piping installation to ORW-57 location.

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.
- Monitored pressure at the PVW wells.
- Increase choke position at ORW-55.
- WHE completed plugging and abandonment (P&A) of ORW-8.
- Completed gas piping connections and water discharge piping; installed pressure-rated fitting for the pump electrical service; programmed and tested the pump controller at ORW-38.
- Completed pipe connections for ORW-58 prior to commencing drilling (Flare 5 was down for 1.5 hours during connections).

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 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.
- Completed Storm Water Pollution Prevention Plan (SWPPP) inspection.
- Measured surface elevations of water in the Bayou and inside the containment area using laser sight: Bayou water elevation: 1.0 feet above mean sea level (AMSL); Containment water elevation: 1.0 ft AMSL.



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.
- Sand was not imported to the site or placed on the new southern containment levee due to wet conditions.
- Rock's Trucking used an excavator to improve a section of the new south containment levee extending from the existing west containment levee. The total length of berm completed remains approximately 3122 linear feet.

Plan for today:

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