

Daily Report 9/23/13

Tetra Tech

This report includes the activities completed 9/20-9/22, 2013.

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 and the detailed Work Plan was submitted to DNR on 1/14/13 for comments.
- Current total: 102 pairs at 48 locations. No positive alarms of installed monitor pairs have occurred to date.
- A total of ten monitoring pairs and associated transmitters have been provided to Assumption Parish, at their request.
- Continued monthly monitor calibration.
- Continued indoor air screening; 45 properties surveyed to date with no detections of %LEL or H2S.
- Removed a set of detectors at 1408 Jambalaya and a set at 1445 Sauce Piquante; owners have vacated and the power is off.
- Performed additional calibration for ventilation blowers to create -14.0 to -15.0 inches of water column suction at each blower; calibrated 12 units.
- Removed the damaged blower at 1433 Sauce Piquante (guest house) and installed a replacement; shipped the damaged unit to the manufacturer.
- Assumption Parish inspected and passed the remaining units.
- Ended under slab pressure monitoring (24-hr test) at 174 Crawfish Stew.
- Began under slab pressure monitoring (24-hr test) at 1438 and 1465 Sauce Piquante.
- Plan for today: Continue building ventilation system enclosures.

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

- 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 & ORW-9.
- The field portion ROI testing was completed July 21st. Report is being finalized.
- Completed daily ORW well data collection.
- TE mobilized from CPT-79W to CPT-78W under Hot Work Permit (for gas engines) from CROSSTEX. Advanced borehole to refusal at 145.02 ft bgs.
- TE mobilized to CPT-83W (near lay-down yard); advanced borehole to refusal at 148.3 ft bgs.
- Plan for today: Thompson Engineering mobilize for re-push at CPT-85.

Directive #4 – Operation of All Wells

- Flares #2, #3, #4, and #5, are operating. Two additional flares have been received and will be available as needed.
- Well work overs are ongoing for all low-producing and non-flowing wells.
- Barton meters have been installed on flowing wells.
- Performed daily flare maintenance.
- Performed Barton Meter routine maintenance.
- Prepared a map of the collection system piping, indicating pipe sizes and locations of valves.
- Depressurized wells ORW-39 and 40 to allow for well head retrofit; removed QED pumps at both wells.
- Purged 1,800 gals of re-development water from ORW-5 after injecting 150 gals of BMR solution into formation yesterday.
- Continued pilot testing at ORW-9. Raised tubing pump from 105 to 24 ft bgs due to excessive drawdown at 1.4 gpm that allowed gas to enter tubing. Purged 2,540 gals in first day of test, dropping well head pressure from 52 to 41 psi during 6 hours of 20-ft water drawdown. The well was opened to flow to the flare.
- Depressurized well ORW-30, removed the QED pump and disconnected the meter run in preparation for well re-development.
- ORW-30: WHE injected ~1600 gallons of water, @ 32 psi, into the well drop tubing; approximately 900 gallons were recovered through the well annulus. Early returns carried sand and silt. At completion, recovered water was clear, indicating cleaning of the filter pack.
- Continued pilot testing at ORW-9. Gallons purged to-date (5:00 pm today) = 5331 gal. Well head pressure at 32.8 psi.
- Continued pilot testing at OGRW-1. Gallons purged to-date (4:45 pm today) = 6772 gal. Increased the choke slightly, well head pressure holding at 56 psi.
- Installed 2.5" drop tubing at ORW-39; also installed new well tree. Reinstalled the transducer and QED pump, and reconnected the meter run. Wells ORW-39 & 40 are ready to discharge water when the frac tank is set up.

Plan for Today:

- Monitor pilot testing at OGRW-1 and ORW-9
- WHE: Continue well redevelopment using BMR at ORW-30 and 31

Directive #5 – Sinkhole Containment

- Joint Application to OCM and COE, which included sinkhole containment design and additional ORW wells, was submitted on 2/14/13.
- Initial containment of the sinkhole area completed.
- A pre-construction meeting was held on-site on March 27th for TBC and contractors.
- Construction of the containment system began April 1st.

- North Levee final containment system installation is approximately 98% complete.
- Compaction testing complete (8 Soil density tests on the south berm). South Levee final containment system installation is at final clay elevation and approximately 75% complete, overall.
- West Levee (new alignment) final containment system installation is approximately 98 % complete.
- Rock's Trucking completed placement of the concrete mats for the levee overflow structure on the west berm. Attached cables between the mats to secure positioning.
- Limestone (625.39 tons) was imported and placed in several locations, including: new access to the sinkhole; the new camera pad; the MRAA pad adjacent to the TBC access road at the north berm; and the location for the new frac tank on the north berm.
- The silt fence crew repaired 280 LF of fence on the west berm from ORW-5 to the north; installed 512 LF of new fence on the west berm from CPT-64 pad to ORW-9 pad, around the camera pad on the north berm, and on Maurice Rd around the PMW well pad.

Plan for today:

- Continue earthwork, dependent on weather conditions.