

Daily Report 10/03/13**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 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.
- Performed daily observation of the under slab ventilation systems. Found 7 of 14 units off: 174 Crawfish Stew, shop, north; 135 Crawfish Stew, garage; 116 Crawfish Stew, both units; 1433 Sauce Piquante, both units; 1438 Sauce Piquante (area still saturated); and 1465 Sauce Piquante, rear. Reset all except 1438, which will be left off until the area dries out.

Plan for today:

- Monitor ventilation systems

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.

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.
- WHE crew cleared the filter pack at ORW-29; pumped 300 gallons of bentonite mud remover into the well, followed by 300 gallons of potable water.

- Depressurized ORW-43; WHE and Tt installed 4" well head, master valve and well tree.
- Continued pilot testing at ORW-9. Gallons purged to-date: 14,256 gal. Well head pressure at 4.4 psi; differential pressure: 3.0"
- Continued pilot testing at OGRW-1. Gallons purged to-date: 26,348 gal. Well head pressure at 52.0 psi; differential pressure: 82.0"
- Performed well dewatering and logging and pilot test at ORW-40. Depressurized the well and lowered the pump to 97' below the measurement point. Opened the well to the flare and started pump. After 81 gallons had been pumped, pressure rose from 9 psi to 40 psi.
- Installed a transducer (130' cable) and pump (100' tubing) at ORW-5; performed dewatering and pressure logging.
- Scott Shaw observed the WHE/Respec DPVE testing.

Plan for Today:

- Monitor pilot testing at OGRW-1 and ORW-9 and ORW-40.
- Reset pump lower in the casing at ORW-39.
- Purge ORW-29.
- Perform well dewatering and logging activities.

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.
- The current configuration of the sinkhole containment system is completed.
- Relocated the guard shack to across from the north berm
- Rock's Trucking used the motor grader to grade the entrance road and imported 80.18 tons of grey limestone to cover the road; used the box scraper to finish grade.
- Miller Engineers relocated the water surface gauges on the north berm to either side of the TBC entrance road, south of the north berm; relocated the gauges on the south berm to the area of previous subsidence of the south berm; and and adjusted the gauge west of the west berm (near ORW-9).

Plan for Today:

- Continue placing limestone on the south berm, weather permitting