

Daily Report 10/04/13

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: 100 sets installed at 46 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; 3 of 14 units off: 174 Crawfish Stew, shop, north; and 1433 Sauce Piquante, guest house. Reset the units; 1438 Sauce Piquante, unit still off; currently troubleshooting.
- Obtained a heat gun and tested temperatures at the 1433 Sauce Piquante, garage unit. Installed a vent/muffler on the bottom of the enclosure to lower motor temps. Will monitor system response. Also installed a vent/muffler on the guest house unit.
- Removed 4 sets of detectors and 2 transmitters from two sites due to power being disconnected. Note new totals indicated above.

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.
- Purged approximately 1800 gallons from ORW-29
- Applied high pressure on the filter pack at ORW-31, achieved breaking through. Injected 300 gallons of bentonite mud remover followed by 300 gallons of potable water.
- Depressurized ORW-43; installed LevelTroll transducer; re-connected the meter run with 2" galvanized pipe.
- Continued pilot testing at ORW-9. Gallons purged to-date: 14,984 gal. Well head pressure at 4.1 psi; differential pressure: 4.0"
- Continued pilot testing at OGRW-1. Gallons purged to-date: 28, 160 gal. Well head pressure at 51.0 psi; replaced ¼" orifice plate with a ½" plate. Differential pressure now at 4.5".
- Performed well dewatering and logging and pilot test at ORW-40. Regulated the pumping rate, continued to build pressure in the drop tubing.
- Performed well dewatering and pressure logging at ORW-19 and 22.
- Set up nitrogen cylinder and water tank at ORW-38; purged the well and assisted Pisani's Patrick Ritchie to obtain water samples.
- Scott Shaw observed the WHE/Respec DPVE testing.

Plan for Today:

- Monitor pilot testing at OGRW-1 and ORW-9 and ORW-40.
- Perform pilot test at ORW-39 using the KB Wellbore separator unit.
- Perform well dewatering and logging activities.
- WHE to perform well re-development.

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.
- Rock's Trucking hauled and placed stockpiled limestone on the south berm, completing 630 LF.