

## Daily Report 10/28/13

This report covers work completed 10/25/2013 to 10/27/2013.

### 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: 99 Sets of detectors installed at 45 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 monthly monitor calibration. BGS had 2 appointments for calibrations scheduled; both cancelled.
- Conducted visual inspection and maintenance of Under Slab Ventilation Systems. All units are functioning except one unit at 1465 Sauce Piquante which is off line pending further evaluation of water level influence. Evacuated water build-up found in the systems; transferred to the TBC frac tank.
- Performed weekly back up of the monitoring system computers.

Plan for today:

- Continue monthly monitor calibration.
- Continue indoor air screening.
- Support the Under Slab Ventilation System evaluation as requested.
- Implement recommendations for Under Slab Ventilation System.
- Continue in-home air monitoring of TBC properties.

#### **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 of ROI testing was completed July 21st. Report is being finalized.
- Completed daily ORW well data collection.
- WHE completed installation of ORW-53 on Friday. Placed grout to the surface; by that afternoon, the well showed 49 psi.
- WHE sonic crew advanced the casing for ORW-52 to TD at 140' bgs on Saturday. Soil samples were obtained from 108' to 118' bgs. The MRAA was determined to be at 111' bgs; the 4" casing was set with the screen interval at 111' to 115' bgs. The sand filter pack and bentonite seal was installed and allowed to hydrate overnight.

- WHE sonic crew completed grouting ORW-52 to the surface on Sunday; also installed the temporary well head with 2" ball master valve.
- Rock's Trucking placed additional sand near the ORW-52/CPT-91 location to improve an area approximately 20' x 30' for the Pressure Monitoring Wells. Also added sand to the previously constructed pad for ORW-52.

#### **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 maintenance.
- Unable to conduct Pilot test at ORW-39 & 40 due to Code 3 restriction.
- Continued pilot testing at OGRW-1. Well head pressure: 26 psi; water level in tubing: 51.23'.
- Installed and programmed transducer at ORW-15.
- Removed pump, installed transducer, re-installed pump and programmed the transducer at ORW-22.
- Re-installed pressure transducers in ORW-11 & 19.
- Downloaded and transmitted data collected from the pilot test wells and ORW wells.
- Set up meter run, choke valve and Barton meter at ORW-53; brought on line at approximately noon on Saturday. Well head pressure: 32 psi; differential pressure: 10.0"; flowrate: approximately 1.0 mcf/d.
- Unable to conduct Pilot test at ORW-39 & 40 due to Code 3 restriction.
- Continued pilot testing at OGRW-1. Well head pressure: 26.5 psi; water level in tubing: 47.69'.
- Installed transducer at ORW-11.

#### **Plan for Today:**

- Perform daily flare, Barton meter, generator, and compressor maintenance.
- Continue pilot testing at OGRW-1.
- Install 6' x 6' concrete well pads and bollards at various well locations.

#### **Directive #5 – Sinkhole Containment**

- Submitted Joint Application to OCM and COE, which included sinkhole containment design and additional ORW wells, on 2/14/13.
- Initial containment of the sinkhole area was 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.
- A crack was noticed along the South Berm at approximate station 41+45 on Saturday 10/26. The crack extends approximately 3' past the crest on the South Side and about 7' on the North side. The depth of the crack was measured to be about 7" along the crest and 12" along the side slopes. Pictures were taken and reported to Greg Farrell and Reda Bakur. The area will be monitored daily.

#### Plan for Today

- Complete weekly Storm Water Pollution Prevention Plan (SWPPP) inspection.
- Inspect crack on the south berm.