

**Daily Report 10/31/13****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 detector count: 97 pairs (194 detectors) at 44 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.
- Performed visual inspection and maintenance of the under slab ventilation systems. A Sage Environmental technician accompanied the Tt personnel. All units functioning except one unit at 1465 Sauce Piquante (pending evaluation of water levels). Liquids found in the systems were removed and transported to the TBC frac tank.
- BGS performed calibrations on 2 detectors at 1 location; additional calibrations were scheduled, but cancelled today by the residents.
- Issued the Understructure Differential Pressure Monitoring Report.

## Plan for today:

- Continue monthly monitor calibration.
- Continue indoor air screening.
- Continue in-home air monitoring of TBC properties.
- Monitor ventilation systems; Sage Environmental to shadow process.

**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 crew poured concrete for the well pads at ORW-40, 46, 52 & 53; installed bollards at ORW-39, 40, 41, 42 & 48; and installed concrete pad forms at ORW-48.
- Continued moving equipment from off-site storage to on-site container.

## Plan for Today

- WHE crew to continue installing concrete well pads and bollards at various well locations.

#### **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: 24 psi; water level: 48.62’.
- Shut in ORW-10 at noon yesterday due to loss of pressure.
- Mounted weatherproof boxes for transducer desiccants at ORW-19 and 29.
- Relocate the meter run for ORW-48 to allow WHE to install concrete pad forms and bollards.

#### Plan for Today:

- Perform daily flare, Barton meter, generator, and compressor maintenance.
- Continue pilot testing at OGRW-1.

#### **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.
- Monitored the crack on the south berm; noted an additional crack approximately 6 feet to the east of the first crack.

#### Plan for Today

- Inspect crack on the south berm.