

## Daily Report 12/13/13

### 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; the detailed Work Plan was submitted to DNR on 1/14/13 for comments.
- Installed a total of 98 detectors 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 daily monitor calibration.
- Completed visual inspection and maintenance of the under slab ventilation systems. Liquids found in the systems were removed and transported to the TBC frac tank.

#### Plan for today:

- Continue monitor calibration.
- Continue indoor air monitoring.
- Continue ventilation system operation, maintenance, and monitoring.

#### **Directive #2 – Additional Relief Wells and Directive #3 – Overall Plan as Corrected**

- 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.

#### **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 operation and maintenance.
- Performed daily relief well operation and maintenance.
- Increased the choke position on ORW-49, 50, and 36.
- Continued depressurization of ORW-54. Flow continues to drop while the pressure stays stable at 12-14 psi. Replaced the ½-inch orifice plate with a ¼-inch orifice plate to allow for more precise recording of flow rates. Removed 120 gallons of water from the separator.

- Dewatered ORW-32. Starting conditions: 0 psi well head, 12.33 ft bgs water level. Pumped 325 gallons over 2 hours; ending conditions: 0 psi well head, 94.78 ft bgs water level.
- Dewater ORW-39. Starting conditions: 17 psi well head, 19.62 ft bgs water level. Pumped 440 gallons over 4 hours; pressure increased to 35 psi and the choke was opened. Pressure stabilized at 20 psi and 48.73 ft bgs water level.
- Dewatered ORW-18; starting conditions: 6 psi well head, 7.96 ft bgs water level. Pumped 280 gallons over 2.5 hours; ending conditions: 10 psi well head, 34.97 ft bgs water level.

Plan for today:

- Complete daily flare, Barton meter, generator, and compressor operation and maintenance activities.
- Monitor ORW-54 depressurization through the separator to the flare.
- Continue dewatering schedule: ORW-32 and ORW-19.

#### **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.

Plan for today:

- Inspect berm.