

Daily Report 12/11/13**Tetra Tech****Directive #1 – Indoor Air**

- Draft bgs 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.
- Completed setting concrete forms on the final dual phase vapor extraction well.

Plan for today:

- Pour concrete for well pads at ORW-32 and ORW-38.

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 and ORW-50.
- Connected ORW-54 to the inlet of the separator; connected the outlet of the separator to the meter run. Installed a ½" orifice plate in the meter run. Opened the choke to full open position; well head pressure: 20 psi. Monitored conditions throughout the day; as the pressure decreased, water intrusion increased into the separator. At the end of the day, well head pressure was fluctuating, with intermittent surges of water, between 12 psi and 14 psi.
- Measured water level in ORW-26: 73 ft bgs.
- ORW-48 developed 52 psi overnight; opened to the flare.
- Dewatered ORW-31; starting conditions: 18 psi well head, 6.67 ft bgs water level. Removed 300 gallons over 3.5 hours; ending conditions: 18 psi well head, 89.38 ft bgs water level. The total water removed over the two-day dewatering event: 430 gallons.
- Downloaded transducer data from PMW-18 (S/M), PMW-16 (S/M), ORW-49, ORW-50, ORW- 52 and ORW-53. Tabulated the data and presented it to LDNR.
- Removed the existing transducer from ORW-38. WHE flushed sand/silt and injected 200 gallons of bentonite mud remover (BMR) along with 200 gallons of potable water.
- WHE flushed sand/silt from ORW-32. Encountered difficulty permeating the filter pack. Used the sonic rig to increase pumping pressure to 200 psi and pump 800 gallons through the tubing and 200 gallons in to the annulus. Also injected 300 gallons of BMR, followed by 300 gallons of potable water.

Plan for today:

- Complete daily flare, Barton meter, generator, and compressor operation and maintenance activities.
- Purge ORW-32 and ORW-38.
- Continue dewatering schedule (ORW-13 and ORW-32).
- Monitor ORW-54 depressurization through the separator to the flare.
- Install track-it data loggers on PMW-16 and PMW-18.

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.
- Rock's Trucking operated the Baker pumps.
- Completed a SWPPP inspection following the recent rain event.

Plan for today:

- Inspect berm.