

Daily Report 12/05/13**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 monthly 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.
- Used an air boat to inspect all Bayou CPT locations; no sign of bubbles; no gas detects.
- Prepared southeast corner of the GEO-1 pad for drilling PMW-16.

Plan for today:

- Complete follow-up monitoring at all Bayou CPT locations.
- Install transducers at several wells.

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.
- Depressurized ORW-49 & 50; installed the permanent well head on ORW-49; removed the transducer at ORW-50. WHE crew injected 200 gallons of bentonite mud remover (BMR) into both wells, followed by 200 gallons of potable water. Provided continual safety watch during the work, including monitoring with a 5-gas meter and the use of an area fan; no detections occurred.
- WHE purged the BMR from wells ORW-52 (400 gallons) & 53 (600 gallons). Installed transducers in each well. End of day pressures: ORW-52: 25 psi; ORW-53: 40 psi.
- Installed a pressure transducer in PMW-18M.
- Performed well dewatering at ORW-10; starting conditions: 32 psi, 15.26' water level; removed 625 gallons; ending conditions: 32 psi, 50.87' water level.

Plan for today:

- Complete daily flare, Barton meter, generator, and compressor operation and maintenance activities.
- Purge ORW-49, 50 & PMW-18S.
- Install transducers in ORW-49, 50 & PMW-18S.
- Following all work on ORW-52, 53 and PMW-18S, drain water from gas collection lines to flare 6.
- Continue dewatering at ORW-10.

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.
- Inspected berms surrounding the sinkhole.
- Placed clay in the test excavation and compacted. Placed new geotextile to extend beyond each limit of the crack by 3 to 4 ft; overlapped with existing geotextile. New limestone was spread across the disturbed area and then compacted. The edges of the crack were staked in 8 locations to mark the extent of the crack.
- Rock's Trucking operated the Baker pumps.

Plan for today:

- Inspect berm.