

Daily Report 12/06/13

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.
- Placed board mats on the southeast corner of the GEO-1 pad in preparation for drilling PMW-16.
- WHE sonic rig set up to begin drilling at PMW-016. PMW-016 is approx. 20' E of CPT-29.
- The 8" override casing was advanced to 90' BGS, with the rig set on the casing at the end of the shift.
- Extruded core from PMW-016 @ 25-30' BGS; placed on dry ice, then in the freezer.
- Used an air boat to inspect all Bayou CPT locations; no sign of bubbles; no gas detects.

Plan for today:

- Complete follow-up monitoring at all Bayou CPT locations.
- Install transducers at several wells.
- WHE sonic crew continue drilling PMW-16, obtain core samples at 110' to 120' BGS and 130' to 135' BGS; complete drilling to total depth.

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.
- Purged 200 gallons of bentonite mud remover (BMR) from PMW-18S. Well head pressure was at 45 psi. In order to reduce pressure on the well, it was connected to the dual meter run set up and flared. Pressure was reduced to 35 psi. Installed the Level Troll transducer; used pressure from the well to flush approximately 80 gallons of water from the gas collection lines from ORW-53 to flare 6. Following the flush of the collection system, the meter runs were disconnected. The volume of gas flared will be reported on the daily summary.
- Brought ORW-52 and 53 on-line at a minimum flow. The flow will be increased during the next few days as conditions allow.
- Purged the BMR from ORW-49 (~150 gallons). No water was recovered from ORW-50. Installed transducers in each well.
- Performed well dewatering at ORW-10: starting conditions: 37 psi, 12.46' water level; removed 870 gallons; ending conditions: 40 psi, 50.32' water level.
- Bring ORW-49 & 50 on line.
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- Adjust and monitor ORW-52 & 53.

Plan for today:

- Complete daily flare, Barton meter, generator, and compressor operation and maintenance activities.
- Bring ORW-10, 49 and 50 on line.
- Adjust and monitor ORW-52 & 53.

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.
- Rock's Trucking operated the Baker pumps.

Plan for today:

- Inspect berm.