

Daily Report 12/09/13

Tetra Tech

This report covers activities completed 12/06/13 through 12/8/2013.

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.
- WHE sonic rig completed PMW-016; experienced a gas kick at 135' BGS; mitigated easily and continued installation.
- Developed PMW-016M; 1,250 gallons removed; installed transducer at 30 ft BGS. Depth to water was approx 13 ft bgs.
- Injected 150 gallons of bentonite mud remover (BMR) into PMW-016S followed by 100 gallons of water. No pressure was detected after completion; installed transducer at 132 ft bgs. Depth to water was 9.71 ft bgs.
- Built frame for surface concrete pad, installed bollards.
- Used an air boat to inspect all Bayou CPT locations; no sign of bubbles; no gas detects.

Plan for today:

- Purge PMW-16M and ORW-26.

- Install master valve, well head, and transducers on ORW-48 & 54.

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.
- Brought ORW-49 and 50 on-line; monitored and adjusted flow rates to optimize. Increased flow rates at ORW-48, 52, 53, and 54.
- Dewatered ORW-10. Starting conditions: 40 psi, 13.27 ft bgs water level. Then removed 625 gallons; opened well to the flare when the water level decreased to approximately 40 ft bgs. Continued pumping as well was flowing; well head pressure showed a steady decline to 24 psi at the end of the day, with water level at 50.33 ft bgs.
- Repaired leaks at ORW-49 and 52.
- Dewatered ORW-39. Starting conditions: 19 psi well head, 40.46 ft bgs water level. Ending: 38 psi well head, 96.87 ft bgs water level; 300 gallons removed.
- Performed dewatering at ORW-22: starting conditions: 13.5 psi well head, 12.26 water level; ending: 25 psi well head, 48.81' water level; 240 gallons removed.
- Finished framing in the exposed areas of the enclosures at ORW-49 and 50.
- Began re-development of ORW-26. Flushed approximately 800 gallons of sand/silt from the well; pumped in 200 gallons of potable water to flush the perforations; 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 PMW-16M and ORW-26.
- Install master valve, well head and transducers on ORW-48 & 54.

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; no additional problems were observed.
- Rock's Trucking operated the Baker pumps.
- Miller Engineering completed settlement plate survey.

Plan for today:

- Inspect berm.