

Daily Report 11/18/13

Tetra Tech

This report covers activities completed between 11/15/2013 and 11/17/2013.

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 monthly monitor calibration.
- Continue indoor air screening.
- Continue in-home air monitoring of TBC properties.
- Monitor ventilation systems.

Directive #2 – Additional Relief Wells and Directive #3 – Overall Plan

- 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.
- Mission Utility Service set up horizontal boring equipment on the east side of Sportsman's Drive, approximately midway between the north/south roadway. The borehole was advanced approximately 300 feet south to the southernmost point of the collection system (ORW-49). A receiving pit was excavated, and the HDPE pipe was pulled through the borehole. Additionally, the crew completed the lateral bore and pulled HDPE pipe to the ORW-49 location.
- Completed below grade installation at PMW-18. Completed 12 hours of overnight venting of casing; conveyed gas to Flare 6. Shut in the casing while the well was only partially watered-in.
- Completed measurements and mapping of well site pads for Emergency Use Authorizations.

Plan for Today:

- WHE sonic (track) rig continue with MRAA wells.
- Mission Utility Service construct well infrastructure on Sportsman's Drive.

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.
- Completed daily ORW well data collection.
- Monitored flare and gas flow conditions at Flare 6 until PMW-18 was killed.
- Shut down Flare 6 for maintenance. Cleaned the separator, flow meter, thermocouple and flame arrester. Flushed sand from the gas collection piping from PMW-18, as well as the piping from ORW-52, 53 & 46. Restarted Flare 6.
- Dewatered ORW-10: removed 225 gallons; well head pressure at 6 psi.

Plan for Today:

- Complete daily flare, Barton meter, generator, and compressor operation and maintenance activities.

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 south berm.
- Miller Engineers surveyed settlement plates.
- Rock's Trucking operated the Baker pumps.

Plan for Today

- Inspect berm.