

Daily Report 11/01/13**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 and the detailed Work Plan was submitted to DNR on 1/14/13 for comments.
- Current detector count: 97 pairs (194 detectors) at 44 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.
- Performed visual inspection and maintenance of the under slab ventilation systems. A Sage Environmental technician accompanied the Tt personnel. All units functioning except one unit at 1465 Sauce Piquante (pending evaluation of water levels). Liquids found in the systems were removed and transported to the TBC frac tank.
- BGS performed calibrations on 24 detectors.

Plan for today:

- Continue monthly monitor calibration.
- Continue indoor air screening.
- Continue in-home air monitoring of TBC properties.
- Monitor ventilation systems; Sage Environmental to shadow process.

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.
- Completed daily ORW well data collection.
- Continued moving equipment from off-site storage to on-site container.
- WHE poured concrete for the well pads at ORW-42 & 48; installed bollards at ORW-1, 2, PMW-12-S and PMW-12-M, ORW-42. Tt crew assisted WHE with painting the installed bollards.

Plan for Today

- WHE crew to continue installing concrete well pads and bollards at various well locations.

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 maintenance.
- Unable to conduct pilot test at ORW-39 & 40 due to Code 3 restriction.
- Continued pilot testing at OGRW-1. Well head pressure: 39 psi; water level: 48.06'.
- Shut down flare 2 and shut-in wells OGRW-1 and ORW-14 per TBC direction at 8:00 AM; restarted flare and opened wells at 11:00 AM.
- Mounted weatherproof box for transducer desiccant at ORW-43.
- Repaired the meter run at ORW-31.

Plan for Today:

- Perform daily flare, Barton meter, generator, and compressor maintenance.
- Continue pilot testing at OGRW-1.
- Perform monthly inspection and verification all ORW pressure gauges – replace as necessary.

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.
- Monitored the cracks on the south berm. A third crack has appeared in the south levee. It is approximately 300' east of the northward turn toward the west berm. It's running in a northwesterly direction, about 1/8 to 1/4 inch wide, about 6 feet long.

The first crack appears to be similar on the top with additional sloughing of the sides.

The second crack to the east of the first crack has opened up to 1/2 to 3/4 inch and spans the width of the road surface. The north-south separation continues to open, and the grade differential has increased to about 1.5 inches, mostly on the north side of the berm.

Plan for Today

- Inspect cracks on the south berm.