

Daily Report 11/14/13**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 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.
- Met with Miller Engineering surveyors and located and marked the proposed CPT locations on Bayou Corne. Suggested CPT-121 be relocated ~100 feet south to minimize impact to the Bayou; CPT-122 be relocated ~50 feet south for the same reason. In each case there is a clear area that does not require removing trees to allow for barge/CPT rig access. The CPT-123 location is acceptable.
- Mission Utility Service set up horizontal boring equipment on the Landry property north of ORW-37. The bore pipe was advanced ~370 feet, diagonally, to the southeast to the head of the north/south section of Sportsman's Drive. An access excavation was completed and hdpe pipe was pulled through the horizontal bore. The work areas were cleaned and secured at the end of the day.
- WHE initiated installation of the nested pressure monitor wells at PMW-18, west of Bayou Corne on Day 1 of a scheduled 3-day installation. WHE advanced the temporary drill casing to 115 ft bgs and drove a core sample suitable for physical lab parameter analyses from 110-115 ft bgs. After tripping out 6 x 10LF core rods, the casing annulus kicked. Upon noting the kick, the driller began

implementing mitigation protocol. A 50 psi blowout involving a mixture of water, approximately $\frac{3}{4}$ cubic yards of MRAA sand, and gas was mitigated. The sand was cleaned up, and the rig was prepared for continued drilling today.

- Rock's Trucking excavated a shallow trench from the power drop to flare 6 on the Triche property, and installed $\frac{3}{4}$ " electrical conduit. Wire was pulled from the subpanel to the flare control panel and area lighting was installed. This system is ready to energize when Entergy completes the drop.

Plan for Today:

- WHE sonic (truck) continue with PMW-18: remove core sample, drill to depth & construct well up to the bentonite seal.
- WHE sonic (track) continue with MRAA wells.
- Mission Utility Service continue with 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.
- Assisted Sage, CB&I, and Pisani with obtaining gas samples at various wells.
- ORW-10: well head pressure holding at 30 psi; brought well on-line, pressure stabilized at 29 psi.
- Continued to monitor pressures and water levels at ORW-40 throughout the day; water level maintaining at 31 feet; well head pressure, end of day: 15.0 psi.
- Perform dewatering/logging at ORW-43; beginning water level: 17.69', well head pressure: 0.0 psi; ending water level: 19.23', well head pressure: 0.0 psi.
- Transferred 430 gallons of water to the frac tank.

Plan for Today:

- Perform daily flare, Barton meter, generator, and compressor maintenance.
- Dewater ORW-10, ORW-43 & ORW-40.

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: noted evidence of continued subsidence.
- Miller Engineers surveyed settlement plates.
- Rock's Trucking removed the Baker pumps from their existing location near TBC facility and relocated them to the southeast area of the berm. The pumps operated from mid-day to 6:00 pm.

Plan for Today

- Inspect berm.