

Daily Report 9/24/13**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 total: 102 pairs at 48 locations. No positive alarms of installed monitor pairs have occurred to date.
- A total of ten monitoring pairs and associated transmitters have been provided to Assumption Parish, at their request.
- Continued monthly monitor calibration.
- Continued indoor air screening; 45 properties surveyed to date with no detections of %LEL or H2S.
- Inspected under slab vent systems: found all units on Sauce Piquante with some level of water in the under slab probe. In two locations blowers were cycled off on low flow conditions. This will require an engineering review.
- The resident at 125 Sportsman's Drive requested that the LEL and H2S detectors previously removed be installed.
- Completed the fence enclosures for both vent system units at 1433 Sauce Piquante.

Plan for today:

- Continue building ventilation system enclosures, calibrations, screening. Reinstall LEL and H2S detectors at 1433 Sauce Piquante.
- Replace damaged blower at 135 Crawfish Stew.

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 ROI testing was completed July 21st. Report is being finalized.
- Completed daily ORW well data collection.
- TE mobilized CPT-85W-2 (near PMW-12S): this is a re-push to determine if the gas zone has been reduced during gas production at PMW-12S & ORW-42.
- CPT-85W-2 advanced to refusal at 123.5 ft bgs.

Plan for today:

- Thompson Engineering mobilize to CPT-93W on Edmund Lane.

Directive #4 – Operation of All Wells

- Flares #2, #3, #4, and #5, are operating. Two additional flares have been received and will be available as needed.
- Well work overs are ongoing for all low-producing and non-flowing wells.
- Barton meters have been installed on flowing wells.
- Performed daily flare maintenance.
- Performed Barton Meter routine maintenance.
- Depressurized well ORW-30 in preparation for re-development. Injected 300 gallons of bentonite mud remover (BMR)(AquaClear®), with 300 gallons of potable water. Reinstalled the well head and shut in the well.
- Continued pilot testing at ORW-9; 6603 gallons purged to date. Well head pressure at 37.8 psi.
- Continued pilot testing at OGRW-1; 8960 gallons purged to date. Well head pressure at 55 psi (increased the choke slightly).
- Downloaded data from the down hole transducers and track-it data loggers on the four pilot test wells (ORW-9, 39 & 40, OGRW-1).
- Noted gas leaking from the exhaust port of the QED pump at ORW-39. Determined the cause to be that the water level inside the drop tubing was below the pump, and that the pressure in the well annulus had increased overnight to 42 psi. The tubing was opened to atmosphere allowing the water level to rise above the pump, closing the internal exhaust check valve. The data will be evaluated to determine suitability of the well for the pilot test.
- Installed transducers in PMW-8S and PMW-12M.
- Contractor imported 353.51 tons of Mexican yellow limestone to the Triche property, constructing an access road from Hwy 70, next to ORW-46, then to flare #6: ~600' x 15'.

Plan for Today:

- Continue flare and Barton meter operation and maintenance.
- Monitor pilot testing at OGRW-1 and ORW-9.
- Continue well redevelopment using BMR at ORW-30 and 31.
- Install transducers at ORW-41 & 43.
- Continue building the limestone road on the Triche property.

Directive #5 – Sinkhole Containment

- Joint Application to OCM and COE, which included sinkhole containment design and additional ORW wells, was submitted on 2/14/13.
- Initial containment of the sinkhole area completed.
- A pre-construction meeting was held on-site on March 27th for TBC and contractors.
- Construction of the containment system began April 1st.

- North Levee final containment system installation is approximately 98% complete.
- Compaction testing complete (8 Soil density tests on the south berm). South Levee final containment system installation is at final clay elevation and approximately 75% complete, overall.
- West Levee (new alignment) final containment system installation is approximately 98 % complete.
- The contractor completed securing the concrete mats of the overflow structure on the west berm. At TBC's instruction, the contractor filled the voids in the concrete blocks of the mats with Mexican yellow limestone, leaving a 2" to 4" layer covering the driving surface of the structure, and blending the surface into the existing berm surface (~190').