

## Daily Report 8/30/13

### 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: 112 sets at 52 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.
- Conducted vacuum monitoring at 1465 Sauce Piquante and 116 Crawfish Stew.
- Performed maintenance on vacuum monitoring equipment at 135 Sportsman and 1465 Sauce Piquante.
- Conducted vapor monitoring at 1402 Jambalaya, 1422 Jambalaya, 1457 Sportsman and 134 Sportsman.
- Removed pressure monitoring probes at 1408 Jambalaya to troubleshoot issues with seal at penetration; to be reinstalled.
- Conducted pressure monitoring at 1428 Jambalaya and 174 Crawfish Stew.
- Continued retrofitting the Under Slab Ventilation system. Replaced 4-inch end of pipe flame arrestors with 3-inch inline arrestors. Also installed rain shields.
- Continued with housekeeping of work areas surrounding Under Slab Ventilation systems and grading of disturbed areas.
- Continued indoor air screening; 45 properties surveyed to date with no detections of %LEL or H<sub>2</sub>S.
- Continued monthly monitor calibration.

#### **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 21<sup>st</sup>. Report is being finalized.
- Thompson Engineering CPT Rig: On Standby.
- Tt/AAI Rig: Mobilized and began push at CPT-23, cone was advanced to a depth of 133.9 feet bgs. The cone was removed and borehole was pressure grouted to surface without incident. Placed mats at CPT-32 for Tt/AAi rig scheduled to mobilize tomorrow AM.
- WHE: Continued and completed drilling activities at well ORW-46, 90 feet to TD = 158.9 feet.
- Rock's trucking continued importing material to construct MRAA Pad 7.

- Completed dewatering/pressure monitoring at ORW-3; 500 gallons pumped, recharge and pumping rates equal. Nitrogen pumping method utilized.
- Performed daily Flare Maintenance.
- Prepared vacuum connection for ORW-43, stage meter run, piping and other ancillary items.
- Performed routine Barton Meter maintenance.
- Conduct initial survey of vacuum supply pathway for ORW-48.
- Scheduled airboat for assistance with placement of vacuum supply line to ORW-48.

#### **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.
- Complete daily ORW well data collection for all wells with the exception of wells 5, 7, 8, 39, 40 and 41 due to restricted Code 3 access.
- Performed daily Flare Maintenance
- Performed Barton Meter routine maintenance

#### **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 27<sup>th</sup> for TBC and contractors
- Construction of the containment system began April 1<sup>st</sup>
- North Levee final containment system installation is approximately 98% complete.
- Completed 8 soil density tests on the south berm; this completes the compaction testing. 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.
- East levee along TBC access road and plant approximately 98%.
- Provided weekly depressurization support for Geophone 1.