

**Daily Report 02/05/14****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 91 detectors at 42 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 daily monitor calibration.
- Completed visual inspection and maintenance of the under slab ventilation systems. Liquids found in the systems were removed and transported to the storage tank located at ORW-22.

Plan for today:

- Continue monitor calibration.
- Continue ventilation system operation, maintenance, and monitoring.

**Directive #2 – Additional Relief Wells and Directive #3 – Overall Plan as Corrected**

- 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 and ORW-9.
- The field portion of ROI testing was completed July 21st. Report is being finalized.
- WHE did not drill at ORW-57 as scheduled due to condition of the access road.
- WHE mobilized a new drill rig to the site.

Plan for today:

- WHE begin drilling ORW-58.

**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.
- Decreased choke setting at ORW-48 to maintain pressure.
- Increased choke position at ORW-54, 55 & 56.
- WHE removed the transducer, sand filter pack, and drop tubing from ORW-8; secured the well.
- Transported the separator to ORW-38, plumbed the inlet and outlet and the discharge piping from the well to the frac tank, and built a meter run with the LDNR-required flow meter. StarCom completed all wiring connections for the pump and control. Installed the Redi-Flo-3 pump, with cooling shroud, along with 2 transducers. Assembled the pump head; test ran the pump and controls.
- Continued transducer activities: downloaded data from the ORW-8 transducer after removal; determined transducer depth at ORW-43 following change out of the well head; obtained water level data at ORW-6 and ORW-41.

Plan for today:

- Complete daily flare, Barton meter, generator, and compressor operation and maintenance activities.
- Continue well dewatering.
- Continue to test RediFlo-3 pump and controls at ORW-38.

**Directive #5 – Sinkhole Containment**

- Submitted original sinkhole containment design in Joint Application to OCM and COE on 2/14/13.
- A pre-construction meeting for the original containment system was held on-site on 3/14/13 for TBC and contractors.
- Construction of the original sinkhole containment system began 4/1/13; construction was completed 9/23/13.
- During late October 2013 and mid-December 2013, cracks and a drop in elevation occurred along the southern levee of the original containment system. Increased seismic activity was also noted at these times.
- During the week of January 6th, 2014 a new Emergency Use Authorization was submitted and approved for constructing a new southern levee approximately 500 to 1300 feet south of the southern levee of the original containment system.
- Completed visual inspection of the existing containment levee.
- Completed Storm Water Pollution Prevention Plan (SWPPP) inspection.
- Measured surface elevations of water in the Bayou and inside the containment area. For Monday: Bayou: 0.949 feet above mean sea level (AMSL); Containment: 0.680 ft AMSL; for Tuesday: Bayou: 1.0 ft AMSL; Containment: 0.4 ft AMSL.
- Completed Surface Water Pollution Prevention Plan (SWPPP) inspection.



#### **New South Containment Levee**

- Construction of the new south containment levee began on 1/8/2014. Tree clearing for this new levee was completed January 15, 2014. The construction of the new south levee is anticipated to be completed in April 2014.
- The total new south containment levee completed to date is approximately 3122 linear feet.
- Rock's Trucking utilized 2 articulating dump trucks to move sand from the Rig road stockpile to the new south containment levee (extending from the existing west levee); completed 111 linear feet.
- Total south containment levee completed to date: 3122 linear feet.

Plan for today:

- Rock's Trucking continue construction of the new south containment levee.