

**Daily Report 11/06/13****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. 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; Sage Environmental to shadow process. Bring the north unit at 1465 Sauce Piquante back on-line.

**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.
- WHE sonic crew completed MRAA-08-D (Pisani oversight). The crew mobilized the rig to MRAA-02-D, located near ORW-9.

## Plan for Today:

- Complete daily ORW well data collection.
- Continue drilling MRAA-09.
- Relocate gas, water and air piping around the MRAA-04 pad to allow for the pad to be enlarged.
- Rock's Trucking to enlarge the MRAA-04 pad.

#### **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.
- Continued pilot testing at OGRW-1. Well head pressure: 36 psi; water level: 45.28’.
- Performed relief well operation and maintenance.
- Performed dewatering/data logging at ORW-10: 270 gallons of water were transferred to the frac tank. During pumping the well head pressure increased from 0.0 psi to 5.0 psi; during the one hour recovery period the pressure increased to 11.0 psi.
- Completed moving all surplus piping from the laydown yard to the new storage trailer on TBC property.
- Downloaded transducer data from ORW-27 and PMW-12-M.

#### 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.
- Continue dewatering/data logging at ORW-10.

#### **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 the south berm. Noted continued subsidence west of the original crack, along with continued movement toward the sinkhole. TBC placed barricades on the east and west sides of the cracks to limit foot traffic in the area.
- Rock’s Trucking crew built a pad and installed (2) diesel-powered pumps (~2000 gpm) on the east side of the TBC road adjacent to the facility parking lot. They installed (2) 12” steel pipes across



the road and built a ramp over them with limestone. The pump suction is in the marsh east of the facility, and the discharge is to the west of the TBC road/eastern containment berm.

#### Plan for Today

- Inspect cracks on the south berm.