TETRA TECH

Daily Report 10/14/13

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This daily report covers activities completed 10/11/13 to 10/13/13.

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: 100 sets installed at 46 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.
- Continued Under Slab Ventilation System observations, adjustments and calibrations. All systems functioning. Liquids were found and evacuated in intake vacuum piping.
- Began developing protocols for adjustments to the Under Slab Ventilation System.
- Conducted further diagnostics of Under Slab Ventilation System, with CBI oversight, at 174 Crawfish Stew. Adjusted system per CBI recommendations to +7 inches H2O column vacuum.

Plan for today:

- Continue monthly monitor calibration.
- Continue indoor air screening.
- Support the Under Slab Ventilation System evaluation as requested.
- Implement Under Slab Ventilation System evaluation recommendations.

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.

Plan for today:

- Possible CPT well installation.

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.
- 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 maintenance.
- Completed ORW well re-development on ORW-15, ORW-1, ORW-7, ORW-8.
- Installed pump, ancillary equipment, and discharge pipe at ORW-41; modifications to meter run completed. Installed monitoring port upstream of orifice plate.
- Flowmeter/totalizer removed from Frac Tank at ORW-9; secondary outlet piping completed.
- Rock's Trucking completed access road to proposed ORW wells on Triche property. Access will be weather dependent.
- Replaced secondary containment plastic sheeting for compressor on ORW Pilot Test Program at OGRW-1. Set replacement compressor within containment; completed connections.
- Reinitiated OGRW-1 Pilot Test Program; totalizer reading: 57,888 gallons purged (includes ORW well re-development liquids being transferred into Frac tank). As of Sunday, well head pressure: 47 psi; differential pressure: 6".
- Reconfigured flow meter/totalizer piping on west berm frac tank. Because of low flow rates, meter internals need to be fully submerged.
- Dewatered ORW-22.
- Initiated Step Test Program on ORW-41.
- Continued Flaring ORW-15 after re-development.

Plan for Today:

- Perform daily flare, Barton meter, generator, and compressor maintenance.
- Continue ORW-41 step test program.

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 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.
- Conducted daily inspection of containment berm and erosion control devices.
- Received shipment of erosion control devices (turbidity curtains, fiber rolls); stored in TBC maintenance building.

Plan for Today:

- Conduct daily inspection of containment berm and erosion control devices.
- WHE to begin Geophone installation.