



Daily Report 10/25/13

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.
- Removed 1 set of detectors from one site (1455 Sauce Piquante) due to power being disconnected; new totals: 99 sets installed at 45 locations. No positive alarms of installed monitor pairs have occurred to date for % 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.
- Conducted visual inspection and maintenance of Under Slab Ventilation Systems. All units are functioning except one unit at 1465 Sauce Piquante which is off line pending further evaluation of water level influence. Evacuated water build-up found in the systems; transferred to the TBC frac tank.
- Obtained vacuum settings of each blower unit; measured amp draw of each unit.

Plan for today:

- Continue monthly monitor calibration.
- Continue indoor air screening.
- Support the Under Slab Ventilation System evaluation as requested.
- Implement recommendations for Under Slab Ventilation System.
- Continue in-home air monitoring of TBC properties.

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 continued installation of ORW-53; drilled to 140 feet bgs. Obtained soil samples at 108', 110', 112', 114', 118' and 128' bgs. CB&I obtained 3 soil samples from varying depths. Set well screen at 111' to 115' bgs. Installed sand filter pack and bentonite seal – left to hydrate overnight; installed temporary master valve.

Plan for Today

- WHE to complete ORW-53 and set up on ORW-52. At end of this shift the sonic crew will rotate out for 4-day break.

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 maintenance.
- Continued ORW Pilot Test Program. Pumped ORW-39 for 45 minutes: wellhead pressure from 39 psi to 41.5 psi. Pumped ORW-40 for 45 minutes: well head pressure from 2.0 psi to 36 psi
- Continued pilot testing at OGRW-1. Well head pressure: 27 psi; water level in tubing: 55.22’.
- The outlet valves from the frac tanks receiving water from Pilot Test wells are open and draining to the containment area.
- Changed the orifice plate at OWR-46: increased from 1/8” to ¼”; also increased the choke setting.
- Increased the choke settings at ORW-36 and 48.
- WHE crew purged approximately 1800 gallons from ORW-6; installed LevelTroll transducer and QED AP-2 pump.
- Rock’s Trucking hauled and placed stockpiled limestone on the access road to ORW-53.

Plan for Today:

- Perform daily flare, Barton meter, generator, and compressor maintenance.
- Continue pilot testing at OGRW-1.
- Install choke valve, meter run and Barton meter for depressurization of TBC Oxy-3A well.
- Bring ORW-6 back on-line.
- Re-install transducers in ORW wells that were removed during re-development.

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.