

Daily Report 12/04/13

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; the detailed Work Plan was submitted to DNR on 1/14/13 for comments.
- Installed a total of 98 detectors at 45 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.
- Completed visual inspection and maintenance of the under slab ventilation systems. Liquids found in the systems were removed and transported to the TBC frac tank.

Plan for today:

- Continue monitor calibration.
- Continue indoor air monitoring.
- 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 & ORW-9.
- The field portion of ROI testing was completed July 21st. Report is being finalized.
- Thompson Engineering re-pushed CPT-122-WR to 112.02 ft bgs using the barge-mounted rig.
- Mobilized the barge-mounted rig to CPT-123-WR2, located approximately 100 feet north of CPT-123W. Advanced borehole to 129.81 ft bgs.
- Trenched and buried HDPE gas line at ORW-38 and PMW-18.
- Removed the 12-inch diameter steel pipe crossing the TBC entrance road.

Plan for today:

- Complete follow-up monitoring at all Bayou CPT locations.
- Install transducers at several wells.

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.
- Completed depressurization of wells ORW-52 & 53. Reworked the steel gas piping at ORW-52 and 53 to accommodate new well heads. WHE installed permanent well heads, injected 150 gallons of bentonite mud remover followed by 150 gallons of potable water.
- At PMW-18S, opened the well to depressurize; after reaching 35 psi (from 45 psi) water began surging from the well. The flow rate was then reduced to stop the water surging. WHE crew installed tees and valves on the well head and inject BMR and potable water. Following injection, the well head pressure dropped to zero.
- Performed well dewatering at ORW-10: starting conditions: 24 psi, 18.61' water level; removed 750 gallons; ending conditions: 29 psi, 50.27' water level.
- Downloaded transducer and track-it data at PMW-19-S (ORW-42).

Plan for today:

- Continue development of PMW-18M.
- Complete daily flare, Barton meter, generator, and compressor operation and maintenance activities.
- Depressurize ORW-49 & 50; install permanent well heads and develop the wells.
- Purge ORW-52, 53 & PMW-18S.
- Install transducers on ORW-52, 53 & PMW-18S.
- Following all work on ORW-52, 53 and PMW-18S, drain water from gas collection lines to flare 6.

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 berms surrounding the sinkhole.

- Reexamined the grout added to the easternmost crack. Only normal surface cracking associated with grout drying was observed. A thin grout mixture was poured into these surface cracks, which quickly filled confirming they are surficial.
- Completed weekly SWPPP inspection.
- Rock's Trucking operated the Baker pumps.

Plan for today:

- Inspect berm.
- Continue repairs of the south berm, including recompacting fresh clay into the test excavation used to assess the extent of cracking at the easternmost crack area, the addition of new geotextile overlapped with the old geotextile, and replacement of limestone.
- Add spray paint markings along both the eastern and western cracks to assist in monitoring future movements or settling.