



Daily Report 01/24/14

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 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 and ORW-9.
- The field portion of ROI testing was completed July 21st. Report is being finalized.
- Rock's Trucking placed 570 cubic yards of sand for the ORW-57 access road; total length completed to date: 834 ft. Also completed a 40-ft x 40-ft drill pad area near the end of the road.
- WHE continued installation of ORW-55 (at location of CPT-122). Advanced 8-inch diameter drill casing from 87 to 133.5 ft bgs. Collected 10 feet of 6-inch diameter core across the MRAA contact. Installed 4-inch diameter well screen from 106.5 to 110.5 ft bgs. Installed casing, filter pack, and bentonite seal in conformance with design. Several gas kicks occurred during well installation; each was mitigated and no blow-outs occurred.

Plan for today:

- WHE grout ORW-55 to the surface.
- Tt complete connections at ORW-56; bring online following grout cure.

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.
- WHE and Tt removed the temporary well head at ORW-54 and installed a 4-inch master valve and new well head.
- Performed scheduled maintenance at Flare 3: drained and cleaned the separator, and cleaned the flame arrester.
- Installed meter run, choke valve and Barton meter at ORW-56. Completed connection to the gas line; well will be left shut in overnight to build pressure.
- Assembled RediFlo-3 pump and control panel and installed a reconfigured well head for a test run at ORW-43.
- Tt assisted Pisani in taking water samples from OGRW-1, ORW-6, 19, 21, 22 and 54, DPVE 22 & 37.
- WHE crew developed PVW-01 and PVW-05 (DPVE-22); Pisani completed oversight.

Plan for today:

- Complete daily flare, Barton meter, generator, and compressor operation and maintenance activities.
- Continue well dewatering.
- Complete test run at ORW-43.

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 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 existing levee.

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 southern levee is anticipated to be completed in April 2014.
- Rock's Trucking imported 2030 cubic yards of sand to the site. 1460 Cubic yards were placed on the new south containment levee; approximately 2334 linear feet of levee have been completed to date.
- Completed laser-sighted surface elevations of the water in bayou and inside the containment levee. Water elevations: bayou: 0.8 ft above mean sea level (AMSL); inside containment levee: 0.5 ft AMSL.
- WHE track sonic rig drilled and set casing for an inclinometer (IPI-STR-02) at the pad prepared north of the new south levee at old rig road. Pisani completed oversight.

Plan for today:

- Inspect original levee.
- Rock's Trucking to continue importing sand and constructing the new south levee.