



Daily Report 01/23/14

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.
- Installed pipe stands and mounted the gas piping across two sloughs between ORW-53 and ORW-55.
- Positioned 500 feet of 2-inch HDPE for proposed well ORW-57.
- Placed 650 cubic yards of sand for the ORW-57 access road; 731 linear feet of roadway has been completed to date.
- CSSI swamp excavator cleared a 20-ft x 50-ft area west of the pipeline corridor for a second inclinometer pad.
- WHE completed ORW installation to ground surface at ORW-56. ORW-56 generated 15 psi of gas pressure overnight and is currently fitted with a temporary end cap well head with 2-inch valve.
- WHE mobilized sonic rig to ORW-55 at the south end of Triche Road, staged equipment, and set up secondary containment. Crew then drilled and advanced a nominal 8-inch diameter casing to an interim depth of 87 ft bgs. Potable water was used as the drilling fluid.



Plan for today:

- Continue to build access road to proposed ORW-57.
- WHE drill ORW-55 to total depth, taking core from just above the MRAA to total depth, and begin placing casing, filter pack, and bentonite seal. Grouting is scheduled to occur tomorrow.
- Tt complete connections at ORW-56; then bring well 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.
- Continued to depressurize ORW-54. Removed 100 gallons from the separator.

Plan for today:

- Complete daily flare, Barton meter, generator, and compressor operation and maintenance activities.
- Continue well dewatering.

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 2860 cubic yards of sand to the site. 1960 Cubic yards were placed on the new south containment levee; approximately 2145 linear feet of levee have been completed to date. A drilling pad for an inclinometer area of approximately 1890 square feet has also been completed. 250 Cubic feet of sand was stockpiled; the remainder of the imported sand went to the roadway discussed above.
- Completed laser-sighted surface elevations of the water in bayou and inside the containment levee. Water elevations: bayou: 0.9 ft above mean sea level (AMSL); inside containment levee: 0.6 ft AMSL.

Plan for today:

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