



Daily Report 01/22/14

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-38.

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.
- Added 250 ft of 2-inch HDPE pipe between ORW-53 and ORW-55; assembled valves and fittings; set up ORW-56 meter run and Barton meter.
- Added 700 cubic yards to the ORW-57 access road (approximately 500 cubic yards were sourced from the stockpile). Completed 200 linear feet of roadway
- WHE continued installation of ORW-56 (at CPT-121 location) for the second of a scheduled 3-day task. Advanced borehole to 140.5 ft bgs. Collected 10-ft x 6-inch diameter core across the MRAA contact. Installed well sump, screen, riser, filter pack, upper bentonite seal. No gas kicks occurred during well construction.

Plan for today:

- Continue to build access road to proposed ORW-57.
- WHE sonic crew grout ORW-56; mobilize to ORW-55.



- Tt continue layout of 2-inch HDPE piping for ORW-55 and 56.

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 120 gallons from the separator. Shut in the well and Flare #4 temporarily while the separator unit was changed out.
- Changed orifice plate at ORW-53 from 1/8-inch to 1/16-inch.
- Shut in ORW-18 due to lack of flow.
- Increased flow at ORW-4.

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.

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.
- Completed visual inspection of existing levee.
- Rock's Trucking imported 1200 cubic yards of sand to the site. 1000 Cubic yards were placed on the new south containment levee; approximately 1890 linear feet have been completed to date. The remainder of the imported sand went to the roadways discussed above.
- CSSI swamp excavator with chipper attachment cleared a 50-ft x 50-ft area along Old Rig Road, north of the projected path of the new south containment levee.
- Completed laser-sighted water surface elevations of the bayou and inside the containment levee. Water elevation: bayou: 1.0 ft above mean sea level (AMSL); inside containment levee: 0.7 ft AMSL.

Plan for today:

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