



Daily Report 01/21/14

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.
- Completed PVW-03; advanced PVW-02 near the boat launch at Sportsman's Landing.
- Received HDPE pipe, fittings and line tamer trailer; rolled out 1500 feet of 2-inch HDPE pipe. Pulled pipe into place on the Triche access road from ORW-53 to ORW-55.
- Placed 200 cubic yards of sand for the ORW-57 access road; completed another 66 linear feet of roadway.
- CSSI swamp excavator removed trees for the remaining approximately 600 feet to the proposed site of ORW-57 (south of CPT-118). Cleared an area of approximately 50 feet by 50 feet at the well site.
- WHE sonic crew mobilized to the ORW-56 well site, installed board mats at the drilling location. The well was advanced to 77 ft bgs and secured for the day.

Plan for today:

- WHE sonic drill crew advance ORW-56 to total depth and construct well.



- Tetra Tech crew continue layout of 2" HDPE piping for ORW-56 and 55.

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.
- Dewatered ORW-18. Starting conditions: well head pressure: 0.0 psi; water level: not taken. Removed 460 gallons and transferred to the TBC frac tank. Ending conditions: well head pressure: 7.0 psi; water level 29.82 ft bgs.
- Continued to depressurize ORW-54. Removed 110 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. Noted increased seismic activity 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.
- Construction of the new southern 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 1325 cubic yards of sand to the site. 1125 cubic yards were placed on the new south containment levee; 1691 linear feet of levee have been completed to date. The remainder of the sand went to roadwork described above.
- Placed board mats on the west levee overflow structure in preparation for building the new south levee alignment.
- Completed laser-sighted water surface elevations of the bayou and containment water. Water elevation: bayou: 1.0 ft above mean sea level (AMSL); inside containment area: 0.6 ft AMSL.

Plan for today:

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