



Daily Report 02/11/14

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 90 detectors at 41 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 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.
- Rebuilt the meter run connections at ORW-58. Installed unistrut stands for a lowered meter run.
- WHE initiated well development at ORW-58 today with the injection of bentonite mud remover (BMR), a clay breakdown solution.
- Stopped purging ORW-38; pump test into recovery phase. No gas was generated during the full test.
- WHE completed below grade installation of ORW-57 by grouting it to the surface. Well is screened from approximately 123.1 to 131.1 ft bgs and generated 52 psi overnight. It can be flared as soon as noon tomorrow from the temporary wellhead.

Plan for today:

- Continue pump test of ORW-38.
- Connect meter run to temporary well head at ORW-57, bring well on-line.
- Continue development of ORW-58; flush BMR from well.



- WHE will build surface completion forms at four ORW locations.
- Rock's Trucking silt fence crew will begin erosion control measures.

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.
- Monitored pressure at PVW wells.
- Obtained gas compositions at all flowing wells & flares using the GEM-5000 meter.
- Increased choke position at ORW-53.

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 also 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 the existing containment levee.
- Measured surface elevations of water in the Bayou and inside the containment area using laser sight. Bayou water elevation: 1.0 ft AMSL; Containment water elevation: 0.5 ft AMSL. Note, the water level elevations measured on Sunday (02/09/14) for the Bayou and Containment areas were 1.1 and 0.5 ft AMSL, respectively.



- Completed weekly storm water pollution prevention plan (SWPPP) inspection.

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 south levee is anticipated to be completed in April 2014.
- Rock's Trucking imported 2580 cubic yards of sand to the site today. Sand was placed to build up low portions of previously completed new containment levee and further extend this new levee. Approximately 3356 linear feet of the new southern containment levee have been completed to date.

Plan for today:

- Rock's Trucking continue construction of the new south containment levee.