



Daily Report 02/18/14

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.
- Continued construction on the dewatering piping on Maurice Rd and from ORW-14 to OGRW-1.
- Continue preparation for ORW-21 pump test. Completed trouble shooting on pump and electrical system.
- Continued preparing infrastructure for well dewatering south of Hwy 70.
- Assisted CB&I with gas sampling at PVW-03.

Plan for today:

- Continue preparation for ORW-21 pump test.
- Continue preparing infrastructure for well dewatering south of Hwy 70.

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. Changed orifice plate from 1/8-inch to ¼-inch on ORW-57; changed orifice plate from 1/8-inch to ¼-inch on ORW-55; slightly increased the choke setting on ORW-55.

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.

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 containment levee is anticipated to be completed in April 2014.
- The full extent of the new southern containment levee (i.e. initial containment) was completed (2/14/14).
- Measured surface water elevations in the bayou (i.e. outside the new southern containment levee) and inside the original containment levee using laser sight. Bayou water elevation: 1.2 ft above mean sea level (AMSL); containment area water elevation: 0.5 ft AMSL.



- Rock's Trucking imported 1165 cubic yards of sand to the site for continued buildup of the southern containment levee, and completion of levee between Pad-9 and Pad-10.
- Miller Engineers surveyed the new southern containment levee, and completed regularly scheduled survey activities.

Plan for today:

- Rock's Trucking to import sand, construct levee between Pad-9 and Pad-10, and build up low areas of the new southern containment levee.