



Daily Report 01/28/14

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.
- Placed 285 cubic yards on the access road to the ORW-57 location; built up both the drill pad area and the roadway.
- WHE grouted ORW-5 to the surface.
- WHE built fences around PVW-05, DPVE-37, and PVW-03.
- WHE mobilized board mats and the sonic rig to the ORW-57 location.
- WHE installed bollards at ORW-14, ORW-4, and Geophone 12R.

Plan for today:

- WHE sonic crew begin drilling ORW-57.
- WHE remove transducer and well tree at ORW-8, remove the sand filter pack and drop tubing, grout to the surface (weather permitting).

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.
- Completed connections for ORW-55 and brought on line; well head pressure: 47.5 psi; differential pressure: 8.0 inches; 1/8-inch orifice plate.
- Monitored pressure at the PVW wells.
- Removed existing gas pipelines between ORW-11 and ORW-5.
- KB Wellbore picked up the separator at ORW-54. A new 500 gallon poly tank was delivered and the existing tank with the oil/water mix was pumped out and taken off site by Action. The contaminated tank was removed by KB Wellbore.

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 1775 cubic yards of sand to the site. 1470 Cubic yards were placed on new south containment levee, including at pad 10. Total footage completed to date: 2485 linear feet.
- Miller Engineers surveyed the elevations of surface water in the bayou and inside the containment: bayou: 1.05 ft above mean sea level (AMSL), containment: 0.56 ft AMSL.

Plan for today:

- TBC has cancelled earthwork for today and possibly for Wednesday due to winter storm/ice warnings for tomorrow and Wednesday.