



## Daily Report 02/03/14

### Tetra Tech

This report describes activities completed on Friday (01/31/14), Saturday (2/1/14), and Sunday (2/2/14); and activities planned for Monday (2/3/14).

#### **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 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 additional 2" HDPE piping for ORW-57.

Plan for today:

- No drilling is planned for today.

#### **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 the PVW wells.
- Opened ORW-19 and ORW-26 to the flare.
- Flushed liquids from the gas line from ORW-54 to flare 4.
- Drained liquid from the knockout at Flare 4.
- Increased flow slightly at ORW-52 and ORW-55; decreased flow at ORW-48.
- Used GEM-5000 meter to obtain weekly gas compositions at wells and flares.
- Drained liquid from the knockout at Flare 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 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 existing levee.
- Water surface elevations in the Bayou and inside the containment were measured by laser sight. Friday (1/31/14): bayou: 0.9 ft above mean sea level (AMSL); containment: 0.4 ft AMSL; Saturday (2/1/14): bayou: 0.9 ft AMSL; containment: 0.4 ft AMSL.



#### **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 placed 5550 cubic yards of sand on the new south containment levee on Friday and Saturday. Material was placed from both the south (Pad-10) and west levees. Total southern containment levee completed to date: approximately 2988 linear feet. 610 Cubic yards of sand were imported to the site on Sunday; material was stockpiled because rain prevented construction.
- Respec completed installation of inclinometer instrumentation on the new southern containment levee.

Plan for today:

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