



Daily Report 01/17/14

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.
- Rock's Trucking imported 440 cubic yards of sand to the Triche property for the access road. Approximately 230 ft of roadway was completed, for a total distance of 430 linear feet.
- Met with Scott Borne (TBC), Mike Jarnigan (PB Energy), Rock's Trucking, and CSSI, to work out a plan for access to build the access road to proposed well ORW-57. Agreed the best approach is to raise the PB Energy communication cable on the east side of the TBC access road. Contacted Boudreaux Electric, who will use a boom truck tomorrow to raise the cable.

Plan for today:

- CSSI continue chipping trees for extending the access road on the Triche property.
- Boudreaux Electric to raise the communication cable on the TBC access road.

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.
- Continued well dewatering.
- Dewatered ORW-10. Starting conditions: well head pressure: 23.0 psi; water level: 7.84 ft bgs. Removed 140 gallons and transferred to the TBC frac tank. Ending conditions: well head pressure: 22.0 psi; water level: 39.13 ft bgs.
- Dewatered ORW-19. Starting conditions: well head pressure: 2.0 psi; water level: 8.97 ft bgs. Removed 110 gallons and transferred to the TBC frac tank. Ending conditions: well head pressure: 4.0 psi; water level: 33.19 ft bgs.
- Dewatered ORW-22. Starting conditions: well head pressure: 8.0 psi; water level: 8.97 ft bgs. Removed 110 gallons; transferred this water to the tank at ORW-54. Ending conditions: well head pressure: 15.0 psi; water level: 39.09 ft bgs.
- Dewatered ORW-32. Starting conditions: well head pressure: 0.0 psi; water level: 8.71 ft bgs. Removed 140 gallons and transferred to the frac tank at ORW-54. Ending conditions: well head pressure: 0.0 psi; no water level measurement taken.
- Continued to depressurize ORW-54. Removed 120 gallons from the separator.
- Assisted Pisani with collection of water samples from OGRW-1, and ORW-6, 19, 21, 22, and 54.

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.
- 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.
- Tetra Tech accompanied Miller Engineering in performing sinkhole measurements using a LevelTroll 300 transducer.
- Rock's Trucking imported 700 cubic yards of sand to the new southern levee. The levee was extended an additional 90 linear feet, approximately 135 linear feet past the Florida Gas right of way.
- Rock's Trucking imported 38.22 tons of #4 grey limestone, and placed it on Maurice Rd between the highway and the west levee (~1000ft). This improvement allows sand for the new south berm to be hauled from this direction.

Plan for today:

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