

Daily Report 11/07/13**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.
- Current detector count: 97 pairs (194 detectors) at 44 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 monthly monitor calibration.
- Performed visual inspection and maintenance of the under slab ventilation systems. A Sage Environmental technician accompanied the Tt personnel. Liquids found in the systems were removed and transported to the TBC frac tank.
- Restarted the north unit at 1465 Sauce Piquante: evacuated water from the system, adjusted the blower to 7.2" water column and verified the amp draw.
- Alan's Cable technician installed a dedicated hard line to office for use by the computers for the in-home monitoring system; an additional router will need to be installed tomorrow.

Plan for today:

- Continue monthly monitor calibration.
- Continue indoor air screening.
- Continue in-home air monitoring of TBC properties.
- Monitor ventilation systems; Sage Environmental to shadow process.

Directive #2 – Additional Relief Wells and Directive #3 – Overall Plan

- 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 & ORW-9.
- The field portion of ROI testing was completed July 21st. Report is being finalized.
- Completed daily ORW well data collection.
- WHE sonic crew drilled MRAA-02S, near ORW-9 (Pisani oversight).

Plan for Today:

- Complete daily ORW well data collection.
- WHE to continue MRAA drilling.
- Rock's Trucking to enlarge the MRAA-05 pad.

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 relief well operation and maintenance.
- Continued pilot testing at OGRW-1. Well head pressure: 41 psi; water level: 55.17'. Note this well was off-line for several hours during troubleshooting of flare 2, and pipeline repairs.
- Performed dewatering/data logging at ORW-10: 180 gallons of water was transferred to the frac tank; the results of dewatering produced similar results to yesterday's dewatering; final well head pressure was 13.0 psi.
- Removed PVC water piping and compressor air hoses at the pad for MRAA-04, to allow for enlarging the pad. The 2" HDPE gas line was able to be relocated without shutting in any wells.
- Rock's Trucking excavated a shallow trench (140') from the Tt trailer to OGRW-1. Tt installed 140' of ¾" schedule 80 conduit and the trench was backfilled.
- A steel hammer-line pipe section was found to be leaking near pad-10 as a result of trucks driving over the pipe. The section of pipe was isolated and removed from service.
- Rock's Trucking imported and placed 280 cubic yards of clay for the MRAA-04 pad enlargement. They also imported and placed 40 cubic yards of clay for the enlargement of the MRAA-05 pad.
- The contractor repaired a failed fuel line on one of the Baker water pumps and returned it to service. Rock's Trucking crew inspects the pumps 3 times a day.

Plan for Today:

- Perform daily flare, Barton meter, generator, and compressor maintenance.
- Continue pilot testing at OGRW-1.
- Perform monthly inspection and verification all ORW pressure gauges.
- Continue dewatering/data logging at ORW-10; bring well on-line.

Directive #5 – Sinkhole Containment

- Submitted Joint Application to OCM and COE, which included sinkhole containment design and additional ORW wells, on 2/14/13.
- Initial containment of the sinkhole area was completed.
- A pre-construction meeting was held on-site on March 27th for TBC and contractors.
- Construction of the containment system began April 1st.



- The current configuration of the sinkhole containment system is completed.
- Inspected the south berm: evidence of continued subsidence west of the original crack was observed, along with continued lateral movement of the central portion of the south berm northward toward the sinkhole.

Plan for Today

- Inspect cracks on the south berm.