

Daily Report – for 5/8/13

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 and the detailed Work Plan was submitted to DNR on 1/14/13 for comments
- A total of 99 monitor pairs have been installed on 46 properties. No positive alarms of installed monitor pairs have occurred to date.
- Under structure sampling probes have been installed at 10 residential properties. Laboratory samples have been collected at seven probe locations and are undergoing analysis.
- Indoor air screening continuing, with 41 properties surveyed to date with no detections of %LEL or H2S.
- Working with OEP to confirm property owners OEP indicates want detectors installed.
- Monthly monitor calibration is ongoing.

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

- Met with DNR/Shaw on 1/24/13, reached agreement on well designs
- Tt will continue to re-habilitate any non-flowing wells. Efforts to rehab three non-flowing wells ORW-8, ORW-11, and ORW-29 have been completed but have not induced gas flow.
- All available wells were PDK logged on April 1st to April 13th, note that PDK logging of wells ORW-5, -6, -9, -14, -15, and -10 was postponed until a later date.
- Based on the recent round of PDK logging, 4 wells (ORW-11, -13, -18 & -30) were re-perforated on Saturday April 20th. Wells ORW-18, ORW-23, and ORW-30 are experiencing intermittent performance and Well ORW-11 is shut in with no pressure.
- Radius of Influence (ROI) wells being installed at well pads ORW-5 & ORW-9. Drill crew working at ORW-9, with the last well scheduled for installation by 5/10/13.
- ROI testing to begin on Monday 5/13/13.
- Test for using the Cone Penetration Testing (CPT) technique to determine the presence of a methane gas layer on top of the MRAA ongoing. A test of the CPT method is being conducted at well pad ORW-5 today, with the next test site planned for ORW-14 location
- New wells ORW-36, ORW-37 and ORW-33 were PDK logged and perforated on May 2nd and 3rd.

Directive #4 – Operation of All Wells

- Flares #2, #3, #4, and #5, are operating. Two additional flares to be shipped on May 10th
- Well work overs ongoing



Directive #5 – Sinkhole Containment

- Joint Application to OCM and COE, which included sinkhole containment design and additional ORW wells, was submitted on 2/14/13 and Tt is presently addressing comments received on application.
- Initial containment of the sinkhole area completed.
- The draft final design package was submitted to TBC and the agency.
- A pre-construction meeting was held on-site on March 27th for TBC and contractors
- Construction of the containment system began April 1st
- North Levee final containment system installation is approximately 80% complete.
- GCL/geotextile and clay is being placed on the South Levee, with 1650 feet of GCL and clay placed so far. South Levee final containment system installation is approximately 50% complete.
- The alignment of the West Berm is being modified to extend further west due to settlement along the original alignment. The trees along the new western berm alignment have been cleared and the initial containment layer of sand is being placed. The initial containment construction of the new West Levee is approximately 70 % complete
- A design revision has been issued for this new alignment.