

## Daily Report – for 4/29/13

### 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 96 monitor pairs have been installed on 45 properties. No positive alarms of installed monitor pairs have occurred to date.
- Under structure sampling probes have been installed at 9 residential properties. In one location the probe is producing water and we have not been able to collect vapor at that location. Laboratory samples have been collected at seven probe locations and are undergoing analysis. Vapor concentrations were observed to be decreasing and exceed 25% LEL at one location
- Indoor air screening continuing, with 41 properties surveyed to date with no detections of %LEL or H2S.
- A total of 5 monitor pairs are available for installation, with 17 additional monitor pairs expected for delivery early this week.
- 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 1<sup>st</sup> to April 13<sup>th</sup>, 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 the 20<sup>th</sup>. Wells ORW-18, ORW-23, and ORW-30 are experiencing intermittent performance.
- Radius of Influence (ROI) wells are being installed at well pads ORW-5 & ORW-9. Drill crew continues working at ORW-9 to avoid conflicting operations at ORW-5 pad.
- Test for using the Cone Penetration Testing (CPT) technique to determine the presence of a methane gas layer on top of the MRAA will continue today. Field procedures are being modified to improve performance. If the method proves successful, crew will then proceed to well sites ORW-5 and ORW-9.
- ORW-37 was installed on April 27<sup>th</sup> and well ORW-36 will be installed today

#### **Directive #4 – Operation of All Wells**

- Flares #2, #3, #4, and #5, are operating. Two additional flares on order and being fabricated



**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 27<sup>th</sup> for TBC and contractors
- Construction of the containment system began April 1<sup>st</sup>
- 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 40% 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. Design modifications are underway.