



## Daily Report 01/13/14

### Tetra Tech

This report covers activities completed 01/10/14 through 01/12/14, and planned activities for 01/13/14.

#### **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 98 detectors at 45 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.
- Returned the unit at 1465 Sauce Piquante to service on Friday 1/10/14.
- Completed Storm Water Pollution Prevention Plan (SWPPP) inspection on Saturday 1/11/14.

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.
- CSSI mobilized an additional swamp excavator to begin clearing the access road for ORW-53, ORW-55 and ORW-56.

#### **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.
- Shut in ORW-26 at 3pm Friday (1/10/14) because flow rate and well head pressure dropped overnight.
- Brought ORW-18 on line Friday at minimum flow.
- Dewatered ORW-24. Starting conditions: well head pressure: 13.0 psi; water level 8.16 ft bgs. Removed 130 gallons (Friday) and 120 gallons (Saturday) and transferred this water to the storage tank at ORW-54. Ending conditions: well head pressure: 9.0 psi; water level: 61 ft bgs
- Dewatered ORW-22. Starting conditions: well head pressure: 11.5 psi; water level: 8.54 ft bgs. Removed 180 gallons (Friday) and 140 gallons (Saturday); transferred this water to the storage tank at ORW-54. Ending conditions: well head pressure: 23.5 psi; water level: 34.96 ft bgs. Shut in ORW-22 on Sunday due to no pressure or flow.
- Dewatered ORW-19. Starting conditions: well head pressure: 32.0 psi; water level: 8.37 ft bgs. Removed 100 gallons (Friday) and 110 gallons (Saturday); transferred this water to the TBC frac tank. Ending conditions (Saturday): well head pressure: 33.0 psi; unable to obtain water level measurement due to gas pressure in the tubing. Opened this well for minimum flow on Sunday.
- Continued to depressurize ORW-54. Removed 100 gallons (Friday), 130 gallons (Saturday), and 100 gallons (Sunday) from the separator.
- Dewatered ORW-6 on Sunday. Starting conditions: well head pressure: 12.0 psi; water level: 8.27 ft bgs. Removed 85 gallons and transferred this water to the TBC frac tank. Ending conditions: well head pressure: 15.0 psi; water level: 81.28 ft bgs.
- Dewatered ORW-10 on Sunday. Starting conditions: well head pressure: 11.0 psi; water level: 6.94 ft bgs. Removed 100 gallons and transferred to the TBC frac tank; ending conditions: well head pressure: 8.0 psi; water level: 36.71 ft bgs.
- Dewatered ORW-39 on Sunday: starting conditions: 7.0 psi well head, 10.13 ft bgs water level; removed approximately 200 gallons and transferred this water to the TBC frac tank. Ending conditions: well head pressure: 7.0 psi; water level: 82.06 ft bgs.
- Disconnected the choke valve and meter run at ORW-38 on Sunday. Removed well head; removed nitrogen lift tubing and transducer. Installed well head adapted for electric pump.

Plan for today:

- Complete daily flare, Barton meter, generator, and compressor operation and maintenance activities.
- Continue well dewatering.

### **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.
- Completed visual inspections of South Berm Friday (1/10/14), Saturday (1/11/14), and Sunday 1/12/14). No new changes noted.
- The CSSI swamp excavator cleared areas ahead of the sand placement for the south berm. In addition, trees were cleared for the section of the berm that turns in a northwesterly direction from the existing channel. A portion of the area cleared is on the old Rig Road. The excavator operator noted that there are large Cyprus trees that have been laid horizontally as part of the Rig Road area.
- Rock's Trucking hauled 3740 cubic yards of sand from the supply pit and continued building the new south berm alignment at Pad 10. The stockpile was depleted and the area graded. Additional sand was imported and placed for the new south berm near Pad 10. Total south berm construction completed as of Sunday evening (01/12/14) evening is 853 linear ft by 20 ft wide.

#### Plan for today:

- Inspect existing berm.
- Continue clearing trees for the south berm.
- Rock's Trucking to continue work on new south berm alignment.