

**From:** Deni Chambers, Principal-in-Charge  
Derrick Willis, Project Manager  
Josh Otis, Project Manager

**Date:** February 7, 2011

**To:** Shannon Harbour, PE  
Nevada Division of Environmental Protection (NDEP)

**RE:** Environmental Conditions Assessment, Groundwater Treatment and Capture Zone Evaluation Monthly Status Memorandum and Schedule Update, January 2011, Tronox Facility, Henderson, Nevada

---

**Activities Completed During Last Period  
January 2011**

**PHASE B ECA PROGRAM**

**Deliverables**

- Excavation and Backfill Status figures, January 4
- *December Monthly Status Report and Project Schedule Update*, January 5
- *Release of Process Wastewater on December 9, 2010* memo, January 10
- Updated Excavation figures, January 11
- *Data Validation Summary Report (DVSR) Additional PCS Tables*, January 18
- *4<sup>th</sup> Quarter Activity Report*, January 18
- *Discharges of Stabilized Lake Mead Water at Tronox Facility*, January 20
- Raw Lab Step-Out and Step-In EDDs, January 21
- *Response to NDEP Letter Regarding Observations of Debris, dated January 21, 2011*, January 24
- *Tronox Dioxin Fingerprint* letter, January 27
- *Schedule for Stained Area Confirmation Sampling*, January 27
- *DVSR Additional PCS*, January 28
- *Environmental Covenant Cost Evaluation* memo, January 28
- RZ-C and RZ-E Data Tables, January 28

**Meetings**

- WebEx Meeting (NDEP-TRX-NERT-ENVIRON-NGEM-Chartis) to discuss excavation status, January 4
- Meeting (NDEP-ENVIRON-NGEM) to discuss excavation status and priority, January 10/11

**Field Activities**

- Remediation Zone D Excavation, Transportation, Disposal, and Backfill
- Remediation Zone B Excavation, Transportation, Disposal, and Backfill
- Remediation Zone C Excavation, Transportation, and Disposal
- Remediation Zone E Excavation, Transportation, and Disposal

**LEACHING/GROUNDWATER PROGRAM****Deliverables**

- *Perchlorate Removed from the Environment Report* – January 6
- *Discharge Monitoring Reports (DMRs) – Amended Third Quarter – NPDES Permit NV0023060*, January 18
- *DMR – Fourth Quarter 2010 – NPDES Permit NV0023060*, January 28
- *Third and Fourth Quarter 2010 Compliance Submittals – UIC Permit # UNEV94218*, January 28
- *Retention Basin Development and Design memo*, January 31

**Field Activities**

- Electrical and construction work to connect additional extraction wells to Interceptor well field (in progress)
- Laboratory bench-scale testing for in situ groundwater bioremediation work

**GROUNDWATER SYSTEM OMM****Field Activities**

- Monthly groundwater sampling for January 2011
- 



**Activities to be Completed During Next Period  
February 2011 (and anticipated submittal dates)**

**PHASE B ECA PROGRAM**

**Deliverables**

- Indoor Air Quality Report (February 3)
- Monthly Summary Report and Project Schedule Update (February 7)
- Tech Memo: Evaluation of the Effects of Water Percolation at the Tronox Recharge Trenches (February 8)
- Vadose Zone Remediation Technology Screening Study (February 9)
- Groundwater Assessment Report (February 11)

**Field Activities**

- Remediation Zone D Excavation, Transportation, Disposal, and Backfill
- Remediation Zone B Excavation, Transportation, Disposal, and Backfill
- Remediation Zone C Excavation, Transportation, and Disposal
- Remediation Zone E Excavation, Transportation, and Disposal

**LEACHING/GROUNDWATER PROGRAM**

**Deliverables**

- Response to NDEP Comments on LSSLs Technical Memo (February 14)
- Semiannual remedial performance report (March 1)
- Technical memorandum on in situ groundwater bioremediation bench testing (March 2)

**Meetings**

- Discussions with NDEP and the Trust regarding groundwater remedial strategy and system optimization

**Field Activities**

- Electrical and construction work to connect additional extraction wells to Interceptor and Athens Road well fields

**GROUNDWATER SYSTEM OMM**

- Quarterly groundwater monitoring event

