

**From:** Deni Chambers, Principal-in-Charge                      **Date:** November 5, 2010

**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,  
October 2010, Tronox Facility, Henderson, Nevada

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**Activities Completed During Last Period  
October 2010**

**PHASE B ECA PROGRAM**

**Deliverables**

- *Status Update Regarding the Identification of Proposed Environmental Covenant Areas*, dated and submitted October 1, 2010
- *Setback Update* (email), dated and submitted October 4, 2010
- *CCC/ECA Schedule Update and Monthly Summary Report*, dated and submitted October 5, 2010
- *Errata to Figure 1 RZ-B Excavation Areas and Nature and Extent of Contamination*, dated and submitted October 6, 2010
- *Environmental Covenants, Institutional and Engineering Control Plan*, dated and submitted October 6, 2010
- *Errata to Data Validation Summary Report, Pre-Confirmation Sampling RZ-E*, dated and submitted October 11, 2010
- *Status of Revised Excavation Plan for Phase B Soil Remediation of RZ-E*, dated and submitted October 11, 2010
- *Revised RZ-C Figures 2a, 2b, 2c*, dated and submitted October 12, 2010
- *ECA Quarterly Activity Report – Third Quarter 2010*, dated and submitted October 15, 2010
- *Response to NDEP Response to: TRX Letter RE: Status of Excavation Plan for Phase B Soil Remediation of RZ-E*, dated and submitted October 18, 2010
- *Response to Comments on Revised RZ-D Excavation Plan & Errata*, dated and submitted October 18, 2010
- *Revised Engineering Evaluation of Slope Stability, WC and GW-11 Pond Embankments*, dated and submitted October 18, 2010
- *Letter Response to Nevada Division of Environmental Protection (NDEP) Response to Tronox Remediation Program Schedule*, dated and submitted October 20, 2010

**Meetings**

- NDEP-TRX-NGEM WebEx - RZ-C Excavation Plan Figures, October 15, 2010

**Field Activities**

- Final Phase of preconfirmation sampling
- Remediation Zone D Excavation, Transportation, and Disposal
- Remediation Zone B Excavation, Transportation, and Disposal



## **LEACHING/GROUNDWATER PROGRAM**

### **Deliverables**

- *Interim Approach for Unsaturated Zone Soil Remediation and Revised Soil Flushing Report*, dated and submitted October 8, 2010
- *Work Plan to Conduct In-Situ Permeable Reactive Barrier Pilot Test For Perchlorate-Impacted Groundwater*, dated and submitted October 25, 2010
- *Technical Memorandum: Hydrogeologic Groundwater Model Inputs*, dated and submitted October 29, 2010

### **Meetings**

- November 2<sup>nd</sup>: Conference call with Northgate, Tronox, NDEP to discuss comments on *Revised Work Plan to Evaluate In Situ Soil Flushing of Perchlorate-Impacted Soil* dated October 8, 2010

### **Field Activities**

- Connected pumping wells downgradient of barrier wall to GWETS and began extracting groundwater from “dead zone”.
- Properly abandoned monitoring wells in conflict with soil excavation areas

## **GROUNDWATER SYSTEM OMM**

### **Deliverables**

- Submitted 3<sup>rd</sup> Quarter GW11 DMR – NEV2001515, October 27, 2010
- Submitted 3<sup>rd</sup> Quarter NPDS DMR – NV0023060, October 27, 2010

### **Field Activities**

- Monthly groundwater monitoring
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**Activities to be Completed During Next Period  
November 2010 (and anticipated submittal dates)**

**PHASE B ECA PROGRAM**

**Deliverables**

- RZ-E Excavation Plan (November 3)
- Monthly Report and Schedule Update (November 5)
- RZ-C Excavation Plan Response to Comments (November 6)
- Addendum to Slope Stability memo (November 9)
- Revised Indoor Air Quality report (November 15)
- Parcels A/B Soil Gas Risk Assessment (November 15)
- Revised Environmental Covenants (November 19)
- Site-Wide Soil Gas Risk Assessment (November 22)

**Meetings**

- NDEP-TRX-NGEM WebEx to discuss RZ-E Excavation Plan (scheduled for November 9)

**Field Activities**

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

**LEACHING/GROUNDWATER PROGRAM**

**Deliverables**

- Flushing Work Plan Addendum (November 10)

**Meetings**

- November 2<sup>nd</sup>: Conference call with Northgate, Tronox, NDEP to discuss comments on *Revised Work Plan to Evaluate In Situ Soil Flushing of Perchlorate-Impacted Soil*

**Field Activities**

- Soil sampling and laboratory bench-scale studies for In-Situ PRB work
- Monitoring and leachate well installation, drip line installation, and soil and groundwater sampling for soil flushing pilot test.

**GROUNDWATER SYSTEM OMM**

- 4<sup>th</sup> quarter groundwater monitoring event
- Begin electrical and plumbing work to connect additional Interceptor wells to GWETS

