

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

**Date:** December 6, 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, November 2010, Tronox Facility, Henderson, Nevada

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**Activities Completed During Last Period  
November 2010**

**PHASE B ECA PROGRAM**

**Deliverables**

- *Excavation Plan for Phase B Soil Remediation of RZ-E*, dated and submitted November 3, 2010
- Response to NDEP's July 27, 2010 Comments on *Excavation Plan for Phase B Soil Remediation of RZ-E*, dated and submitted November 3, 2010
- Errata pages to *Excavation Plan for Phase B Soil Remediation of RZ-E*, dated and submitted November 4, 2010
- *Environmental Conditions Assessment, Groundwater Treatment and Capture Zone Evaluation Monthly Status Memorandum and Schedule Update, October 2010*, dated and submitted November 5, 2010
- Response to NDEP's October 25, 2010 comments on *Revised Excavation Plan for Phase B Soil Remediation of RZ-C*, dated and submitted November 5, 2010
- Response to Comments on *Revised Engineering Evaluation of Slope Stability, WC and GW-11 Pond Embankments, Phase B Soil Remediation of RZ-D*, dated and submitted November 5, 2010
- Errata and Response to NDEP's November 1, 2010 Comments on *Spring 2010 Indoor Air Quality Sampling and Analysis Report*, dated and submitted November 10, 2010
- Errata to the *Removal Action Work Plan for Phase B Soil Remediation of Remediation Zones RZ-B through RZ-E*, dated and submitted November 10, 2010
- Memo: *Proposed Evaluation Procedures for Parcels C, D, F, G, H Risk Evaluation*, dated and submitted November 10, 2010
- *Revised Technical Memorandum: Screening-Level Indoor Air Health Risk Assessment for the 2008 Tronox Parcels A/B Soil Gas Investigation, BMI Industrial Complex, Clark County, Nevada*, dated and submitted November 12, 2010
- Errata Table and Figure to *Excavation Plan for Phase B Soil Remediation of RZ-E*, dated and submitted November 12, 2010
- Letter re: *RZ-D Western Property Line Cut Slope Material*, dated and submitted November 17, 2010
- *Site-Wide Soil Gas Human Health Risk Assessment*, dated November 22, 2010, submitted November 19, 2010
- *Environmental Covenants, Institutional and Engineering Control Plan* and Response to Comments, dated and submitted November 19, 2010



- Memo: *Response to Request for Description of Slope Cutting in the Vicinity of the PRP (Inlet/Outlet) Water Lines*, dated and submitted November 22, 2010
- Final Grading Plans, dated November 12, 2010, submitted November 22, 2010
- Memo: *Update to Environmental Covenants, Institutional and Engineering Control Plan*, dated and submitted November 24, 2010
- Revised RZ-B and RZ-D Figure 1, dated and submitted November 29, 2010

#### **Meetings**

- November 17, 2010 Conference Call regarding Contamination at Property Boundary
- November 19, 2010 NDEP-Trust-TRX-NGEM Remediation meeting

#### **Field Activities**

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

### **LEACHING/GROUNDWATER PROGRAM**

#### **Deliverables**

- *Revised Technical Memorandum: Calculation of Leaching-Based, Site-Specific Levels (LSSLs) for the Soil-to-Groundwater Pathway Using NDEP Guidance*, dated and submitted November 18, 2010
- *Response to Comments and Revised Work Plan to Evaluate In Situ Soil Flushing of Perchlorate-Impacted Soil*, dated and submitted November 12, 2010

#### **Meetings**

- November 1, 2010 Conference Call regarding Soil Flushing

#### **Field Activities**

- Monitoring extraction wells and monitoring wells downgradient of barrier wall

### **GROUNDWATER SYSTEM OMM**

#### **Field Activities**

- 4<sup>th</sup> Quarter groundwater monitoring event, November 1 -12, 2010
- NTP, groundbreaking for electrical upgrade and Interceptor well hook-ups



**Activities to be Completed During Next Period  
December 2010 (and anticipated submittal dates)**

**PHASE B ECA PROGRAM**

**Deliverables**

- Response to NDEP's Comments and Revised PRP Water Lines Memo (December 2)
- Response to NDEP's Comments on RZ-E Excavation Plan (December 7)
- Revised RZ-D Cut Slope Material Memo (December 8)
- Parcels CDFHG Health Risk Assessment (December 10)
- Risk Management Plan (December 10)
- RZ-B Health Risk Assessment Data Table (December 31)
- RZ-D Health Risk Assessment Data Table (December 31)

**Meetings**

- Conference call regarding survey markers associated with EC/ICs (December 2, 2010)
- Conference call to discuss Environmental Covenant Document (December 6, 2010)

**Field Activities**

- Remediation Zone D Excavation, Transportation, and Disposal (visually impacted areas only)
- Remediation Zone D Backfill
- Remediation Zone B Excavation, Transportation, Disposal, and Backfill
- Remediation Zone C Excavation, Transportation, and Disposal
- Remediation Zone E Excavation

**LEACHING/GROUNDWATER PROGRAM**

**Deliverables**

- Capture Zone Evaluation Report (December 3)
- RTC, Revised Model Inputs Memo (December 10)
- Errata to CZE Report (December 10)
- AP-5 Pond Summary Report (December 10)

**Meetings**

- All Parties Groundwater Meeting (December 8)

**Field Activities**

- Monitor extraction and monitoring wells downgradient of barrier wall
- Electrical upgrade and Interceptor well hook-ups
- Soil and groundwater sampling for In Situ Bioremediation laboratory bench-scale tests

**GROUNDWATER SYSTEM OMM**

- GWETS evaluation

