

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

**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 2nd: 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 3rd Quarter GW11 DMR – NEV2001515, October 27, 2010
- Submitted 3rd 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 2nd: 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

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

