

From: Deni Chambers, Principal-in-Charge **Date:** October 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,
September 2010, Tronox Facility, Henderson, Nevada

**Activities Completed During Last Period
September 2010**

PHASE B ECA PROGRAM

Deliverables

- *Environmental Covenants Status Update*, dated and submitted September 1, 2010
- *Revised Excavation Plan for Phase B Soil Remediation of RZ-C, Addendum to the Removal Action Work Plan*, dated September 1, 2010, submitted September 2, 2010
- *Status Report on Response to NDEP Comments on: Engineering Evaluation of Slope Stability GW-11 and WC Pond Embankments*, dated September 3, 2010
- *Revised Memorandum Regarding Excavation Details in the Vicinity of the Infiltration Trenches*, dated September 3, 2010
- *Response to NDEP's August 20th 2010 Comments: Excavation Details in the Vicinity of the Infiltration Trenches*, dated September 8, 2010
- *Response to Comments to Revised Data Validation Summary Report, Pre-Confirmation Sampling RZ-D, Dated August 26, 2010*, dated September 8, 2010, submitted September 7, 2010
- *Response to Comments to Revised Data Validation Summary Report, Pre-Confirmation Sampling RZ-D*, dated September 9, 2010, submitted September 8, 2010
- *CCC/ECA Schedule Update and Monthly Summary Report*, dated September 7, 2010, submitted September 8, 2010
- *Environmental Covenants Status Update*, dated September 17, 2010, submitted September 19, 2010
- *Spring 2010 Indoor Air Quality Sampling and Analysis Report*, dated September 22, 2010, submitted September 21, 2010
- *Memo - Acceptable Sources of Imported Backfill*, dated and submitted September 23, 2010
- *Memo – Disposition of Monitoring Wells in Proposed Excavation Areas*, dated and submitted September 27, 2010
- *Errata to Addendum to the Excavation Plan for RZ-D, Concerning Set-Backs for GW-11 and WC Pond Embankments and Changes to the Proposed Excavation Areas*, dated and submitted September 27, 2010
- *Waste Classification for LOU 10 (Former Hazardous Waste Landfill)*, dated and submitted September 28, 2010



Meetings

- September 1 - NDEP-Trx-NGEM-Chartis project update teleconference
- September 7, 2010 – NDEP-TRX-NGEM WebEx Meeting to discuss NDEP's comment letter dated August 31, 2010 regarding the Tech Memo of Parcels A/B Indoor Health Risk Assessment
- September 8 - NDEP-Trx-NGEM-Chartis project update teleconference
- September 13, 2010 – NDEP-TRX-NGEM WebEx Meeting to discuss costs at Site
- September 17 - NDEP-Trx-NGEM-Chartis project update teleconference
- September 23 - NDEP-Trx-NGEM-Chartis project update teleconference
- September 29, 2010 - NDEP-TRX-NGEM WebEx Meeting to discuss proposed setback to excavation adjacent to the GW-11, WC-East, and WC-West ponds.
- September 29 - NDEP-Trx-NGEM-Chartis project update teleconference

Field Activities

- Unit Building 1 excavation and debris removal
- Began Remediation Zone D 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 September 9, 2010
- *Memo – Results of Barrier Wall Permeability Testing*, dated and submitted September 29, 2010

Field Activities

- (Capture Zone Evaluation, GWETS) Completed baseline sampling of newly-installed wells and replacement monitoring wells for perchlorate, chromium, and TDS.
- (GWETS) Completed contractor selection for barrier wall well hook-ups (Las Vegas Paving); began pump and piping installation (50% complete).

GROUNDWATER SYSTEM OMM

Deliverables

- *Errata to the Annual Remedial Performance Report for Chromium and Perchlorate*, dated and submitted September 1, 2010
 - Update - Perchlorate Removed from Soil, September 22, 2010
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**Activities to be Completed During Next Period
October 2010 (and anticipated submittal dates)**

PHASE B ECA PROGRAM

Deliverables

- Monthly Summary Report and Schedule Update (October 5)
- Environmental Covenants Plan (October 6)
- Revised Excavation Plan for RZ-E (October 12)
- Revised In-Situ Permeable Reactive Barrier Work Plan (October 18)
- Risk Management Plan (November 19)
- Clean-Up Criteria Tech Memo (October 26)
- Quarterly Activity Report (October 15)

Meetings

- Conference call with NDEP to revisions to RZ-B based on additional data (to be scheduled for October 8)
- Weekly teleconference calls to update NDEP on project status

Field Activities

- Geotechnical sampling – Pond Berms
- Remediation Zone B Excavation, Transportation, and Disposal
- Remediation Zone D Excavation, Transportation, and Disposal
- Remediation Zone C Excavation, Transportation, and Disposal

LEACHING/GROUNDWATER PROGRAM

Deliverables

- Background Analysis and Errata to Leaching Memo (September 9)
- Monthly Status Memorandum and Schedule Update for the month of September, 2010 (October 5)

Field Activities

- (Capture Zone Evaluation) Install pumps and piping at 4" wells downgradient of barrier wall (estimated complete by October 1, 2010).
- (Capture Zone Evaluation) Water level measurements, groundwater sampling (estimated complete by September 22, 2010).
- (GWETS) Select contractors, schedule well hook-ups and electrical work for additional Interceptor recovery wells (estimated complete by September 24, 2010).

GROUNDWATER SYSTEM OMM

- Third Quarter NPDES Permit NV0023060 DMR (October 28)
- Third Quarter Pond Permit UNEV2001515 Report (October 28)

