



Matthew Paque
Associate Staff Counsel

405-775-5443
Matt.Paque@tronox.com

December 6, 2010

Ms. Shannon Harbour, P.E.
NDEP-Bureau of Corrective Actions
901 S Stewart St
Carson City, NV 89701

**Subject: Remediation Schedule Update and Combined Monthly Status Report
Tronox LLC, Henderson Nevada: NDEP Facility ID # 000539**

Dear Ms. Harbour:

Please find the attached Tronox Remediation Schedule Update for December 2010 and Combined Monthly Status Report for November 2010.

The remediation schedule now reflects the completion of several tasks beyond the December 31, 2010 deadline as currently required in the December 14, 2009 Finding of Alleged Violation (FOAV) and Order. Tronox is working with representatives of NDEP and the Nevada Attorney General's office on extending the deadline to the Effective Date of Tronox's bankruptcy. It is expected that the Nevada Environmental Response Trust will perform the remaining tasks after the Effective Date.

Please contact me with any questions.

A handwritten signature in black ink, appearing to read "M. Paque".

Mathew Paque
Associate Staff Counsel

cc: Jeanne Cohn-Connor, Kirkland & Ellis LLP

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

**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

- 4th 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



Tronox Remediation Program Schedule December 5, 2010

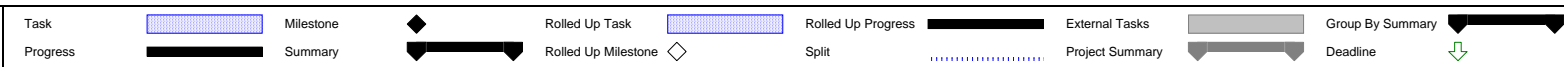
| ID | Task Name | Duration | Start | Finish | Predecessors | Q3 | | | Q4 | | | Q1 | | | Q2 | | | Q3 | | | | | |
|-----|--|----------|--------------|--------------|-----------------|--------------------------|---|---|----|---|---|----|---|---|----|---|---|----|---|---|---|--|--|
| | | | | | | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | | |
| 1 | Phase B Soil Investigation/Remediation Program | 822 days | Mon 7/7/08 | Tue 8/23/11 | | [Gantt bar for task 1] | | | | | | | | | | | | | | | | | |
| 2 | Finalize Phase B Site Investigation | 447 days | Wed 4/15/09 | Thu 12/23/10 | | [Gantt bar for task 2] | | | | | | | | | | | | | | | | | |
| 3 | Receipt of Phase B Final Lab Data | 54 days | Thu 10/15/09 | Wed 12/30/09 | | [Gantt bar for task 3] | | | | | | | | | | | | | | | | | |
| 8 | Data Mgmt/Validation | 447 days | Wed 4/15/09 | Thu 12/23/10 | | [Gantt bar for task 8] | | | | | | | | | | | | | | | | | |
| 14 | NDEP Phase B Source Area Meetings | 15 days | Mon 1/18/10 | Fri 2/5/10 | | [Gantt bar for task 14] | | | | | | | | | | | | | | | | | |
| 18 | Phase B Reporting | 100 days | Fri 11/20/09 | Thu 4/8/10 | | [Gantt bar for task 18] | | | | | | | | | | | | | | | | | |
| 53 | Remediation Planning | 59 days | Mon 12/7/09 | Thu 2/25/10 | | [Gantt bar for task 53] | | | | | | | | | | | | | | | | | |
| 59 | Phase B Remediation Supplemental Sampling | 335 days | Mon 11/23/09 | Fri 2/25/11 | | [Gantt bar for task 59] | | | | | | | | | | | | | | | | | |
| 60 | Area I | 43 days | Mon 11/23/09 | Wed 1/20/10 | | [Gantt bar for task 60] | | | | | | | | | | | | | | | | | |
| 64 | Area II | 49 days | Mon 12/7/09 | Thu 2/11/10 | | [Gantt bar for task 64] | | | | | | | | | | | | | | | | | |
| 69 | Waste Profile | 221 days | Thu 2/11/10 | Fri 12/10/10 | | [Gantt bar for task 69] | | | | | | | | | | | | | | | | | |
| 70 | Submittal of Analysis Profiles to Landfills | 0 days | Thu 2/11/10 | Thu 2/11/10 | 68 | [Gantt bar for task 70] | | | | | | | | | | | | | | | | | |
| 71 | Acceptance of Profile Information by Landfills (subject to change) | 221 days | Fri 2/12/10 | Fri 12/10/10 | | [Gantt bar for task 71] | | | | | | | | | | | | | | | | | |
| 72 | Parcel Profile | 26 days | Fri 2/12/10 | Fri 3/19/10 | 70 | [Gantt bar for task 72] | | | | | | | | | | | | | | | | | |
| 73 | MN Tails Profile | 34 days | Fri 2/12/10 | Wed 3/31/10 | 70 | [Gantt bar for task 73] | | | | | | | | | | | | | | | | | |
| 74 | Site-Wide Profile | 111 days | Fri 3/5/10 | Fri 7/30/10 | 70FS+15 days | [Gantt bar for task 74] | | | | | | | | | | | | | | | | | |
| 75 | Potential Haz Areas | 26 days | Mon 8/9/10 | Mon 9/13/10 | | [Gantt bar for task 75] | | | | | | | | | | | | | | | | | |
| 79 | LOU 10 - Haz Waste Landfill | 149 days | Fri 3/12/10 | Wed 9/29/10 | 70FS+20 days | [Gantt bar for task 79] | | | | | | | | | | | | | | | | | |
| 85 | RZ-E | 27 days | Thu 11/4/10 | Fri 12/10/10 | | [Gantt bar for task 85] | | | | | | | | | | | | | | | | | |
| 86 | Sample Collection | 1 day | Thu 11/4/10 | Thu 11/4/10 | | [Gantt bar for task 86] | | | | | | | | | | | | | | | | | |
| 87 | Analyses | 5 days | Fri 11/5/10 | Thu 11/11/10 | 86 | [Gantt bar for task 87] | | | | | | | | | | | | | | | | | |
| 88 | Evaluation | 5 days | Fri 11/12/10 | Thu 11/18/10 | 87 | [Gantt bar for task 88] | | | | | | | | | | | | | | | | | |
| 89 | Acceptance | 16 days | Fri 11/19/10 | Fri 12/10/10 | 88 | [Gantt bar for task 89] | | | | | | | | | | | | | | | | | |
| 90 | Data Validation and DVSR (Area I/II Supplemental Sampling) | 118 days | Mon 2/15/10 | Wed 7/21/10 | | [Gantt bar for task 90] | | | | | | | | | | | | | | | | | |
| 99 | Dioxin TEQ Bioaccessability Study | 82 days | Mon 2/1/10 | Tue 5/25/10 | | [Gantt bar for task 99] | | | | | | | | | | | | | | | | | |
| 123 | Pre-Confirmation Sampling | 271 days | Fri 2/19/10 | Fri 2/25/11 | | [Gantt bar for task 123] | | | | | | | | | | | | | | | | | |
| 124 | Scoping | 4 days | Fri 2/19/10 | Wed 2/24/10 | 58FS-5 days | [Gantt bar for task 124] | | | | | | | | | | | | | | | | | |
| 125 | NDEP Meeting | 1 day | Mon 2/22/10 | Mon 2/22/10 | 124SS+1 day | [Gantt bar for task 125] | | | | | | | | | | | | | | | | | |
| 126 | Work Plan | 19 days | Thu 2/25/10 | Tue 3/23/10 | | [Gantt bar for task 126] | | | | | | | | | | | | | | | | | |
| 132 | Bid Development | 10 days | Mon 3/15/10 | Fri 3/26/10 | | [Gantt bar for task 132] | | | | | | | | | | | | | | | | | |
| 137 | Field Work | 188 days | Wed 3/24/10 | Fri 12/3/10 | | [Gantt bar for task 137] | | | | | | | | | | | | | | | | | |
| 138 | Mobilization | 5 days | Mon 3/29/10 | Fri 4/2/10 | 136 | [Gantt bar for task 138] | | | | | | | | | | | | | | | | | |
| 139 | RZ-B | 12 days | Wed 3/24/10 | Thu 4/8/10 | | [Gantt bar for task 139] | | | | | | | | | | | | | | | | | |
| 142 | RZ-C | 16 days | Fri 3/26/10 | Fri 4/16/10 | | [Gantt bar for task 142] | | | | | | | | | | | | | | | | | |
| 145 | RZ-D | 18 days | Fri 4/2/10 | Tue 4/27/10 | | [Gantt bar for task 145] | | | | | | | | | | | | | | | | | |
| 148 | RZ-E | 16 days | Fri 4/9/10 | Fri 4/30/10 | | [Gantt bar for task 148] | | | | | | | | | | | | | | | | | |
| 151 | Additional Step-Out Sampling | 129 days | Thu 5/13/10 | Tue 11/2/10 | | [Gantt bar for task 151] | | | | | | | | | | | | | | | | | |
| 152 | First Phase | 45 days | Thu 5/13/10 | Wed 7/7/10 | | [Gantt bar for task 152] | | | | | | | | | | | | | | | | | |
| 155 | Second Phase | 79 days | Thu 7/15/10 | Tue 11/2/10 | | [Gantt bar for task 155] | | | | | | | | | | | | | | | | | |
| 158 | Laboratory Analysis | 183 days | Wed 3/31/10 | Fri 12/3/10 | | [Gantt bar for task 158] | | | | | | | | | | | | | | | | | |
| 159 | Screening Laboratory Analysis | 91 days | Wed 3/31/10 | Wed 7/28/10 | | [Gantt bar for task 159] | | | | | | | | | | | | | | | | | |
| 160 | Mobilization | 3 days | Wed 3/31/10 | Fri 4/2/10 | 135,141SS-3 day | [Gantt bar for task 160] | | | | | | | | | | | | | | | | | |
| 161 | Screening Analysis | 88 days | Mon 4/5/10 | Wed 7/28/10 | | [Gantt bar for task 161] | | | | | | | | | | | | | | | | | |
| 167 | Fixed Lab Analysis | 165 days | Mon 4/26/10 | Fri 12/3/10 | | [Gantt bar for task 167] | | | | | | | | | | | | | | | | | |
| 168 | RZ-B | 20 days | Mon 4/26/10 | Fri 5/21/10 | 162 | [Gantt bar for task 168] | | | | | | | | | | | | | | | | | |
| 169 | RZ-C | 20 days | Fri 4/30/10 | Thu 5/27/10 | 163 | [Gantt bar for task 169] | | | | | | | | | | | | | | | | | |

Task  Milestone  Rolled Up Task  Rolled Up Progress  External Tasks  Group By Summary 
Progress  Summary  Rolled Up Milestone  Split  Project Summary  Deadline 

*** Task milestone subject to change based on contractor input**
**** Pending BMI policy tasks - may be subject to change**

Tronox Remediation Program Schedule December 5, 2010













| ID | Task Name | Duration | Start | Finish | Predecessors | Q3 | | | Q4 | | | Q1 | | | Q2 | | | Q3 | | | | |
|-----|---|-----------------|---------------------|---------------------|-----------------|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|---|--|
| | | | | | | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | |
| 170 | RZ-D | 20 days | Mon 5/10/10 | Fri 6/4/10 | 164 | | | | | | | | | | | | | | | | | |
| 171 | RZ-E | 20 days | Wed 5/19/10 | Fri 6/11/10 | 165 | | | | | | | | | | | | | | | | | |
| 172 | Additional Step-Out | 20 days | Thu 7/8/10 | Wed 8/4/10 | 154 | | | | | | | | | | | | | | | | | |
| 173 | Additional Step-Out (second phase) | 14 days | Wed 11/3/10 | Mon 11/22/10 | 157 | | | | | | | | | | | | | | | | | |
| 174 | EDDs from lab | 9 days | Tue 11/23/10 | Fri 12/3/10 | 173 | | | | | | | | | | | | | | | | | |
| 175 | Data Validation | 170 days | Mon 5/24/10 | Fri 1/7/11 | | | | | | | | | | | | | | | | | | |
| 176 | RZ-B | 20 days | Mon 5/24/10 | Wed 6/16/10 | | | | | | | | | | | | | | | | | | |
| 179 | RZ-C | 20 days | Fri 5/28/10 | Mon 6/21/10 | | | | | | | | | | | | | | | | | | |
| 182 | RZ-D | 20 days | Sat 6/5/10 | Sun 6/27/10 | | | | | | | | | | | | | | | | | | |
| 185 | RZ-E | 20 days | Mon 6/14/10 | Tue 7/6/10 | | | | | | | | | | | | | | | | | | |
| 188 | Step-Out Sampling | 25 days | Mon 12/6/10 | Fri 1/7/11 | | | | | | | | | | | | | | | | | | |
| 189 | DV EDDs | 15 days | Mon 12/6/10 | Fri 12/24/10 | 172FS+5 days,17 | | | | | | | | | | | | | | | | | |
| 190 | Data Validation Summary Tables | 10 days | Mon 12/27/10 | Fri 1/7/11 | 189 | | | | | | | | | | | | | | | | | |
| 191 | Data Validation Summary Report - RZ Sampling | 185 days | Thu 6/17/10 | Fri 2/25/11 | | | | | | | | | | | | | | | | | | |
| 192 | RZ-B | 44 days | Thu 6/17/10 | Thu 8/12/10 | | | | | | | | | | | | | | | | | | |
| 198 | RZ-C | 49 days | Tue 6/22/10 | Wed 8/25/10 | | | | | | | | | | | | | | | | | | |
| 204 | RZ-D | 63 days | Mon 6/28/10 | Wed 9/22/10 | | | | | | | | | | | | | | | | | | |
| 212 | RZ-E | 39 days | Wed 7/7/10 | Mon 8/30/10 | | | | | | | | | | | | | | | | | | |
| 218 | Step-Out Sampling | 35 days | Mon 1/10/11 | Fri 2/25/11 | | | | | | | | | | | | | | | | | | |
| 219 | Draft DVSR | 10 days | Mon 1/10/11 | Fri 1/21/11 | 190 | | | | | | | | | | | | | | | | | |
| 220 | Submit to NDEP | 0 days | Fri 1/21/11 | Fri 1/21/11 | 219 | | | | | | | | | | | | | | | | | |
| 221 | NDEP Review | 10 days | Mon 1/24/11 | Fri 2/4/11 | 220 | | | | | | | | | | | | | | | | | |
| 222 | Respond to Comments/DVSR Finalization | 10 days | Mon 2/7/11 | Fri 2/18/11 | 221 | | | | | | | | | | | | | | | | | |
| 223 | NDEP Review and Approval | 5 days | Mon 2/21/11 | Fri 2/25/11 | 222 | | | | | | | | | | | | | | | | | |
| 224 | Removal Action Work Plan (Including PAMP, SWPPP) | 216 days | Mon 2/8/10 | Mon 11/29/10 | | | | | | | | | | | | | | | | | | |
| 225 | RAW Document | 134 days | Mon 2/8/10 | Thu 8/5/10 | | | | | | | | | | | | | | | | | | |
| 238 | RZ-B Excavation Plan | 81 days | Fri 5/14/10 | Fri 8/27/10 | | | | | | | | | | | | | | | | | | |
| 249 | RZ-C Excavation Plan | 99 days | Fri 6/11/10 | Fri 10/22/10 | | | | | | | | | | | | | | | | | | |
| 258 | RZ-D Excavation Plan | 78 days | Fri 5/28/10 | Tue 9/7/10 | | | | | | | | | | | | | | | | | | |
| 266 | RZ-E Excavation Plan** | 139 days | Wed 5/26/10 | Mon 11/29/10 | | | | | | | | | | | | | | | | | | |
| 272 | Contractor Plans And Specifications/Contractor Selection | 209 days | Mon 2/22/10 | Thu 12/2/10 | | | | | | | | | | | | | | | | | | |
| 273 | Demolition | 114 days | Fri 2/26/10 | Wed 7/28/10 | | | | | | | | | | | | | | | | | | |
| 291 | Remediation | 191 days | Thu 3/18/10 | Thu 12/2/10 | | | | | | | | | | | | | | | | | | |
| 292 | Mn Tailings | 28 days | Thu 3/18/10 | Mon 4/26/10 | | | | | | | | | | | | | | | | | | |
| 298 | RZ-B Unit Buildings | 5 days | Mon 7/19/10 | Fri 7/23/10 | | | | | | | | | | | | | | | | | | |
| 301 | Site Wide - (based on Area B and D, supplements to follow) | 55 days | Fri 6/4/10 | Thu 8/12/10 | | | | | | | | | | | | | | | | | | |
| 309 | RZ-C | 26 days | Fri 9/17/10 | Fri 10/22/10 | | | | | | | | | | | | | | | | | | |
| 313 | RZ-E** | 8 days | Tue 11/23/10 | Thu 12/2/10 | | | | | | | | | | | | | | | | | | |
| 317 | Grading and Dust Monitoring Permit | 150 days | Mon 2/22/10 | Fri 9/10/10 | | | | | | | | | | | | | | | | | | |
| 323 | Well Removal and Replacement (If required) | 140 days | Fri 8/27/10 | Thu 3/10/11 | | | | | | | | | | | | | | | | | | |
| 324 | RZ-C | 105 days | Mon 10/11/10 | Fri 3/4/11 | | | | | | | | | | | | | | | | | | |
| 325 | Well Abandonment | 10 days | Mon 10/11/10 | Fri 10/22/10 | | | | | | | | | | | | | | | | | | |
| 329 | Well Reinstallation | 13 days | Wed 2/16/11 | Fri 3/4/11 | | | | | | | | | | | | | | | | | | |
| 330 | Permitting | 5 days | Wed 2/16/11 | Tue 2/22/11 | 484SS,436 | | | | | | | | | | | | | | | | | |
| 331 | Mobilization | 3 days | Wed 2/23/11 | Fri 2/25/11 | 330 | | | | | | | | | | | | | | | | | |
| 332 | Well Installation | 3 days | Mon 2/28/11 | Wed 3/2/11 | 328,331 | | | | | | | | | | | | | | | | | |



** Task milestone subject to change based on contractor input*
*** Pending BMI policy tasks - may be subject to change*

Tronox Remediation Program Schedule December 5, 2010

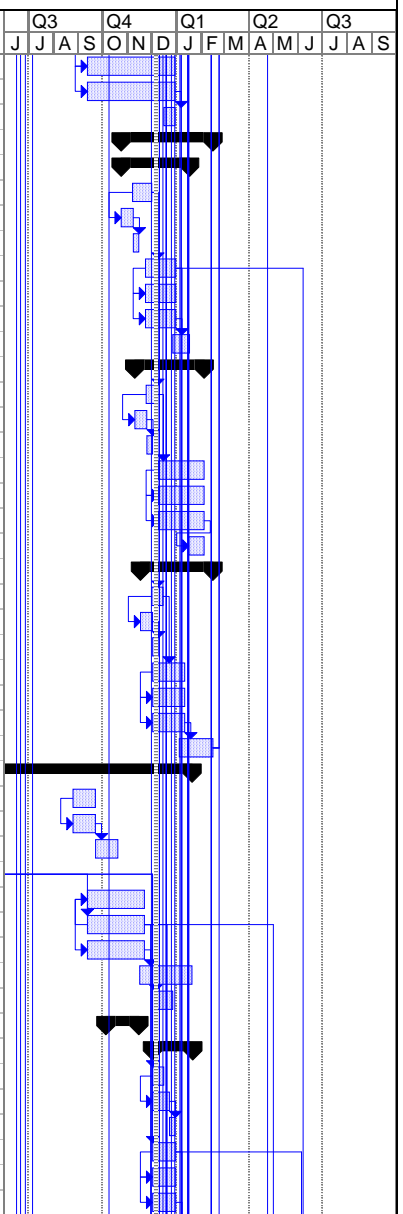
| ID | Task Name | Duration | Start | Finish | Predecessors | Q3 | | Q4 | | Q1 | | Q2 | | Q3 | |
|-----|---|-----------------|---------------------|---------------------|-------------------|----|---|----|---|----|---|----|---|----|---|
| | | | | | | J | A | S | O | N | D | J | F | M | A |
| 333 | Well Development | 2 days | Thu 3/3/11 | Fri 3/4/11 | 332 | | | | | | | | | | |
| 334 | RZ-D | 140 days | Fri 8/27/10 | Thu 3/10/11 | | | | | | | | | | | |
| 335 | Well Abandonment | 10 days | Fri 8/27/10 | Thu 9/9/10 | | | | | | | | | | | |
| 339 | Well Reinstallation | 17 days | Wed 2/16/11 | Thu 3/10/11 | | | | | | | | | | | |
| 340 | Permitting | 5 days | Wed 2/16/11 | Tue 2/22/11 | 436 | | | | | | | | | | |
| 341 | Mobilization | 3 days | Wed 2/23/11 | Fri 2/25/11 | 340 | | | | | | | | | | |
| 342 | Well Installation | 6 days | Mon 2/28/11 | Mon 3/7/11 | 338,341 | | | | | | | | | | |
| 343 | Well Development | 3 days | Tue 3/8/11 | Thu 3/10/11 | 342 | | | | | | | | | | |
| 344 | Soil Remediation | 692 days | Mon 7/7/08 | Tue 2/22/11 | | | | | | | | | | | |
| 345 | Identify Backfill Source(s) | 130 days | Mon 4/5/10 | Fri 9/24/10 | | | | | | | | | | | |
| 351 | Implementation of SWPPP Measures | 20 days | Thu 8/12/10 | Wed 9/8/10 | | | | | | | | | | | |
| 354 | Parcel C, D, F, G, H WP Approval | 0 days | Mon 7/7/08 | Mon 7/7/08 | | | | | | | | | | | |
| 355 | Parcels C, D, F, G and H | 57 days | Mon 2/15/10 | Tue 5/4/10 | | | | | | | | | | | |
| 356 | Contractor Selection | 20 days | Mon 2/15/10 | Fri 3/12/10 | 354 | | | | | | | | | | |
| 357 | Notice to Proceed | 0 days | Fri 3/12/10 | Fri 3/12/10 | 356 | | | | | | | | | | |
| 358 | Parcels F, G and H | 27 days | Mon 3/22/10 | Tue 4/27/10 | 357 | | | | | | | | | | |
| 362 | Parcels C and D | 17 days | Mon 4/12/10 | Tue 5/4/10 | | | | | | | | | | | |
| 366 | Mn Tailings | 178 days | Mon 4/26/10 | Wed 12/22/10 | | | | | | | | | | | |
| 367 | Tailings Removal | 66 days | Mon 4/26/10 | Mon 7/19/10 | | | | | | | | | | | |
| 372 | Confirmation Sampling | 114 days | Sat 6/26/10 | Tue 11/30/10 | | | | | | | | | | | |
| 373 | Confirmation Sampling Workplan | 34 days | Sat 6/26/10 | Tue 8/10/10 | | | | | | | | | | | |
| 381 | Field Sampling | 5 days | Wed 9/1/10 | Tue 9/7/10 | 380FS+15 days | | | | | | | | | | |
| 382 | Analysis | 25 days | Wed 9/8/10 | Tue 10/12/10 | 381 | | | | | | | | | | |
| 383 | Additional Sampling | 5 days | Wed 10/27/10 | Tue 11/2/10 | 382FS+10 days | | | | | | | | | | |
| 384 | Analysis | 15 days | Wed 11/3/10 | Tue 11/23/10 | 383 | | | | | | | | | | |
| 385 | EDDs from lab | 5 days | Wed 11/24/10 | Tue 11/30/10 | 384 | | | | | | | | | | |
| 386 | Additional Remediation | 21 days | Wed 11/24/10 | Wed 12/22/10 | | | | | | | | | | | |
| 387 | Excavation Planning | 5 days | Wed 11/24/10 | Tue 11/30/10 | 384 | | | | | | | | | | |
| 388 | Submit Errata to NDEP | 3 days | Wed 12/1/10 | Fri 12/3/10 | 387 | | | | | | | | | | |
| 389 | NDEP Approval | 5 days | Mon 12/6/10 | Fri 12/10/10 | 388 | | | | | | | | | | |
| 390 | Excavation | 8 days | Mon 12/13/10 | Wed 12/22/10 | 387FS+8 days,388 | | | | | | | | | | |
| 391 | Remediation Zones | 213 days | Fri 5/7/10 | Tue 2/22/11 | | | | | | | | | | | |
| 392 | Contractor Mob | 4 days | Tue 8/3/10 | Fri 8/6/10 | 300FS+6 days | | | | | | | | | | |
| 393 | RZ-B Unit Buildings | 94 days | Tue 8/10/10 | Fri 12/17/10 | | | | | | | | | | | |
| 394 | Unit 1 Building | 22 days | Tue 8/10/10 | Wed 9/8/10 | | | | | | | | | | | |
| 398 | Unit 2 Building | 33 days | Wed 11/3/10 | Fri 12/17/10 | | | | | | | | | | | |
| 399 | Notice to Proceed | 1 day | Wed 11/3/10 | Wed 11/3/10 | | | | | | | | | | | |
| 400 | Permitting/Mobilization | 10 days | Thu 11/4/10 | Wed 11/17/10 | 399 | | | | | | | | | | |
| 401 | Excavate, Transport to TSDF | 22 days | Thu 11/18/10 | Fri 12/17/10 | 399FS+2 days,400 | | | | | | | | | | |
| 402 | Dust Monitoring | 22 days | Thu 11/18/10 | Fri 12/17/10 | 401SS | | | | | | | | | | |
| 403 | Perimeter Air Monitoring | 22 days | Thu 11/18/10 | Fri 12/17/10 | 402SS | | | | | | | | | | |
| 404 | RZ-B | 94 days | Mon 8/23/10 | Thu 12/30/10 | | | | | | | | | | | |
| 405 | Remove Debris and Obstructions | 25 days | Mon 8/23/10 | Fri 9/24/10 | 307,392FS+10 days | | | | | | | | | | |
| 406 | Remove Applicable Utilities | 25 days | Mon 8/23/10 | Fri 9/24/10 | 405SS | | | | | | | | | | |
| 407 | Install Temporary Critical Utilities | 2 days | Mon 9/27/10 | Tue 9/28/10 | 406 | | | | | | | | | | |
| 408 | Excavate, Transport to TSDF* | 79 days | Mon 9/13/10 | Thu 12/30/10 | 307,392,320,322 | | | | | | | | | | |

Task  Milestone  Rolled Up Task  Rolled Up Progress  External Tasks  Group By Summary 
 Progress  Summary  Rolled Up Milestone  Split  Project Summary  Deadline 

* Task milestone subject to change based on contractor input
 ** Pending BMI policy tasks - may be subject to change

Tronox Remediation Program Schedule December 5, 2010

| ID | Task Name | Duration | Start | Finish | Predecessors | Q3 | | Q4 | | Q1 | | Q2 | | Q3 | |
|-----|---|-----------------|---------------------|---------------------|-----------------|----|---|----|---|----|---|----|---|----|---|
| | | | | | | J | A | S | O | N | D | J | F | M | A |
| 409 | Dust Monitoring | 79 days | Mon 9/13/10 | Thu 12/30/10 | 408SS | | | | | | | | | | |
| 410 | Perimeter Air Monitoring | 79 days | Mon 9/13/10 | Thu 12/30/10 | 409SS | | | | | | | | | | |
| 411 | Backfill | 10 days | Fri 12/17/10 | Thu 12/30/10 | 410FS-10 days | | | | | | | | | | |
| 412 | RZ-C | 82 days | Mon 10/25/10 | Tue 2/15/11 | | | | | | | | | | | |
| 413 | C- South | 61 days | Mon 10/25/10 | Mon 1/17/11 | | | | | | | | | | | |
| 414 | Remove Debris and Obstructions | 18 days | Mon 11/8/10 | Wed 12/1/10 | 312FS+10 days,3 | | | | | | | | | | |
| 415 | Remove Applicable Utilities | 11 days | Mon 10/25/10 | Mon 11/8/10 | 414SS-10 days | | | | | | | | | | |
| 416 | Install Temporary Critical Utilities | 5 days | Tue 11/9/10 | Mon 11/15/10 | 415 | | | | | | | | | | |
| 417 | Excavate, Transport to TSDF | 28 days | Wed 11/24/10 | Fri 12/31/10 | 312,307,368,414 | | | | | | | | | | |
| 418 | Dust Monitoring | 28 days | Wed 11/24/10 | Fri 12/31/10 | 417SS | | | | | | | | | | |
| 419 | Perimeter Air Monitoring | 28 days | Wed 11/24/10 | Fri 12/31/10 | 418SS | | | | | | | | | | |
| 420 | Backfill | 15 days | Tue 12/28/10 | Mon 1/17/11 | 419FS-4 days | | | | | | | | | | |
| 421 | C- North | 62 days | Thu 11/11/10 | Fri 2/4/11 | | | | | | | | | | | |
| 422 | Remove Debris and Obstructions | 10 days | Thu 11/25/10 | Wed 12/8/10 | 312FS+10 days,3 | | | | | | | | | | |
| 423 | Remove Applicable Utilities | 11 days | Thu 11/11/10 | Thu 11/25/10 | 422SS-10 days | | | | | | | | | | |
| 424 | Install Temporary Critical Utilities | 5 days | Fri 11/26/10 | Thu 12/2/10 | 423 | | | | | | | | | | |
| 425 | Excavate, Transport to TSDF | 41 days | Fri 12/10/10 | Fri 2/4/11 | 422FS+1 day | | | | | | | | | | |
| 426 | Dust Monitoring | 41 days | Fri 12/10/10 | Fri 2/4/11 | 425SS | | | | | | | | | | |
| 427 | Perimeter Air Monitoring | 41 days | Fri 12/10/10 | Fri 2/4/11 | 426SS | | | | | | | | | | |
| 428 | Backfill | 15 days | Mon 1/17/11 | Fri 2/4/11 | 427FS-15 days | | | | | | | | | | |
| 429 | C- 19-27 | 64 days | Thu 11/18/10 | Tue 2/15/11 | | | | | | | | | | | |
| 430 | Remove Debris and Obstructions | 10 days | Thu 12/2/10 | Wed 12/15/10 | 414 | | | | | | | | | | |
| 431 | Remove Applicable Utilities | 11 days | Thu 11/18/10 | Thu 12/2/10 | 430SS-10 days | | | | | | | | | | |
| 432 | Install Temporary Critical Utilities | 5 days | Fri 12/3/10 | Thu 12/9/10 | 431 | | | | | | | | | | |
| 433 | Excavate, Transport to TSDF | 28 days | Fri 12/3/10 | Tue 1/11/11 | 430FS-9 days | | | | | | | | | | |
| 434 | Dust Monitoring | 28 days | Fri 12/3/10 | Tue 1/11/11 | 433SS | | | | | | | | | | |
| 435 | Perimeter Air Monitoring | 28 days | Fri 12/3/10 | Tue 1/11/11 | 434SS | | | | | | | | | | |
| 436 | Backfill | 30 days | Wed 1/5/11 | Tue 2/15/11 | 435FS-5 days | | | | | | | | | | |
| 437 | RZ-D | 190 days | Fri 5/7/10 | Thu 1/20/11 | | | | | | | | | | | |
| 438 | Remove Debris and Obstructions | 20 days | Thu 8/26/10 | Wed 9/22/10 | 307FS+10 days | | | | | | | | | | |
| 439 | Remove Applicable Utilities | 20 days | Thu 8/26/10 | Wed 9/22/10 | 438SS | | | | | | | | | | |
| 440 | Install Temporary Critical Utilities | 20 days | Thu 9/23/10 | Wed 10/20/10 | 439 | | | | | | | | | | |
| 441 | Haul Road Development | 5 days | Fri 5/7/10 | Thu 5/13/10 | 368 | | | | | | | | | | |
| 442 | Dust Monitoring | 51 days | Mon 9/13/10 | Mon 11/22/10 | 443SS | | | | | | | | | | |
| 443 | Excavate, Transport to TSDF* | 51 days | Mon 9/13/10 | Mon 11/22/10 | 307,368,441,322 | | | | | | | | | | |
| 444 | Perimeter Air Monitoring | 51 days | Mon 9/13/10 | Mon 11/22/10 | 442SS | | | | | | | | | | |
| 445 | Backfill | 47 days | Wed 11/17/10 | Thu 1/20/11 | 444FS-4 days | | | | | | | | | | |
| 446 | Additional Soil Exc Due to Visual Contamination | 15 days | Tue 12/7/10 | Mon 12/27/10 | 443FS+10 days | | | | | | | | | | |
| 447 | LOU 10 | 29 days | Wed 10/6/10 | Mon 11/15/10 | | | | | | | | | | | |
| 451 | RZ-E** | 36 days | Fri 12/3/10 | Fri 1/21/11 | | | | | | | | | | | |
| 452 | Remove Debris and Obstructions** | 10 days | Fri 12/3/10 | Thu 12/16/10 | 316,307,441,368 | | | | | | | | | | |
| 453 | Remove Applicable Utilities** | 15 days | Fri 12/3/10 | Thu 12/23/10 | 452SS | | | | | | | | | | |
| 454 | Install Temporary Critical Utilities** | 5 days | Fri 12/24/10 | Thu 12/30/10 | 453 | | | | | | | | | | |
| 455 | Excavate, Transport to TSDF** | 21 days | Fri 12/3/10 | Fri 12/31/10 | 316,307,441,368 | | | | | | | | | | |
| 456 | Dust Monitoring** | 21 days | Fri 12/3/10 | Fri 12/31/10 | 455SS | | | | | | | | | | |
| 457 | Perimeter Air Monitoring** | 21 days | Fri 12/3/10 | Fri 12/31/10 | 456SS | | | | | | | | | | |



Task Milestone Rolled Up Task Rolled Up Progress External Tasks Group By Summary

 Progress Summary Rolled Up Milestone Split Project Summary Deadline

* Task milestone subject to change based on contractor input
 ** Pending BMI policy tasks - may be subject to change

Tronox Remediation Program Schedule December 5, 2010

| ID | Task Name | Duration | Start | Finish | Predecessors | Q3 | | Q4 | | Q1 | | Q2 | | Q3 | | | |
|-----|---|-----------------|---------------------|--------------------|-----------------|----|---|----|---|----|---|----|---|----|---|---|---|
| | | | | | | J | J | A | S | O | N | D | J | F | M | A | M |
| 458 | Backfill | 15 days | Mon 1/3/11 | Fri 1/21/11 | 457 | | | | | | | | | | | | |
| 459 | Contractor Demobilization | 5 days | Wed 2/16/11 | Tue 2/22/11 | 458,436 | | | | | | | | | | | | |
| 460 | Data Validation and DVSR Reports | 210 days | Wed 5/5/10 | Tue 2/15/11 | | | | | | | | | | | | | |
| 461 | Parcel C, D, F, G, & H | 66 days | Wed 5/5/10 | Wed 7/28/10 | | | | | | | | | | | | | |
| 462 | Data Validation | 15 days | Wed 5/5/10 | Tue 5/25/10 | 361,365 | | | | | | | | | | | | |
| 463 | DV Summary Tables | 5 days | Wed 5/26/10 | Tue 6/1/10 | 462 | | | | | | | | | | | | |
| 464 | Data Validation Summary Report | 46 days | Wed 6/2/10 | Wed 7/28/10 | | | | | | | | | | | | | |
| 471 | Manganese Tails Area | 60 days | Wed 11/24/10 | Tue 2/15/11 | | | | | | | | | | | | | |
| 472 | Data Validation | 15 days | Wed 11/24/10 | Tue 12/14/10 | 384 | | | | | | | | | | | | |
| 473 | DV Summary Tables | 5 days | Wed 12/15/10 | Tue 12/21/10 | 472 | | | | | | | | | | | | |
| 474 | Data Validation Summary Report | 40 days | Wed 12/22/10 | Tue 2/15/11 | | | | | | | | | | | | | |
| 475 | Internal Draft DVSR | 5 days | Wed 12/22/10 | Tue 12/28/10 | 473 | | | | | | | | | | | | |
| 476 | Client Review/Draft Finalization | 5 days | Wed 12/29/10 | Tue 1/4/11 | 475 | | | | | | | | | | | | |
| 477 | Submit to NDEP | 0 days | Tue 1/4/11 | Tue 1/4/11 | 476 | | | | | | | | | | | | |
| 478 | NDEP Review | 15 days | Wed 1/5/11 | Tue 1/25/11 | 477 | | | | | | | | | | | | |
| 479 | Respond to Comments/DVSR Finalization | 10 days | Wed 1/26/11 | Tue 2/8/11 | 478 | | | | | | | | | | | | |
| 480 | NDEP Approval | 5 days | Wed 2/9/11 | Tue 2/15/11 | 479 | | | | | | | | | | | | |
| 481 | Replace Utility Lines as Necessary | 123 days | Tue 11/23/10 | Thu 5/12/11 | | | | | | | | | | | | | |
| 482 | Perimeter Air Monitoring (if necessary) | 95 days | Fri 12/31/10 | Thu 5/12/11 | 408 | | | | | | | | | | | | |
| 483 | RZ-B | 20 days | Fri 12/31/10 | Thu 1/27/11 | 408,482SS | | | | | | | | | | | | |
| 484 | RZ-C | 20 days | Mon 1/3/11 | Fri 1/28/11 | 417 | | | | | | | | | | | | |
| 485 | RZ-D | 20 days | Tue 11/23/10 | Mon 12/20/10 | 443 | | | | | | | | | | | | |
| 486 | RZ-E** | 10 days | Mon 1/3/11 | Fri 1/14/11 | 455 | | | | | | | | | | | | |
| 487 | Environmental Covenants | 283 days | Mon 3/8/10 | Wed 3/30/11 | | | | | | | | | | | | | |
| 488 | EC Working Document Preparation (part of RAW) | 43 days | Mon 3/8/10 | Wed 5/5/10 | | | | | | | | | | | | | |
| 489 | Submit EC Working Doc to NDEP | 0 days | Wed 5/5/10 | Wed 5/5/10 | 488 | | | | | | | | | | | | |
| 490 | NDEP Review | 20 days | Thu 5/6/10 | Wed 6/2/10 | 489 | | | | | | | | | | | | |
| 491 | Submit EC Doc with Final EC Areas | 24 days | Mon 10/25/10 | Thu 11/25/10 | 490,189FS-45 da | | | | | | | | | | | | |
| 492 | Respond to Comments/WP Finalization | 17 days | Fri 11/26/10 | Mon 12/20/10 | 491 | | | | | | | | | | | | |
| 493 | NDEP Prelim approval | 20 days | Tue 12/21/10 | Mon 1/17/11 | 492 | | | | | | | | | | | | |
| 494 | NDEP Approval | 20 days | Tue 1/18/11 | Mon 2/14/11 | 493 | | | | | | | | | | | | |
| 495 | Develop Risk Management Plan | 72 days | Tue 12/21/10 | Wed 3/30/11 | | | | | | | | | | | | | |
| 496 | RMP Preparation | 22 days | Tue 12/21/10 | Wed 1/19/11 | 492 | | | | | | | | | | | | |
| 497 | Submit RMP to NDEP | 0 days | Wed 1/19/11 | Wed 1/19/11 | 496 | | | | | | | | | | | | |
| 498 | NDEP Review | 20 days | Thu 1/20/11 | Wed 2/16/11 | 497 | | | | | | | | | | | | |
| 499 | Respond to Comments/RMP Finalization | 10 days | Thu 2/17/11 | Wed 3/2/11 | 498 | | | | | | | | | | | | |
| 500 | NDEP Approval | 20 days | Thu 3/3/11 | Wed 3/30/11 | 499 | | | | | | | | | | | | |
| 501 | Cap Pond Berms | 20 days | Tue 12/21/10 | Mon 1/17/11 | 443FS+20 days | | | | | | | | | | | | |
| 502 | Finish Grading | 37 days | Mon 5/9/11 | Tue 6/28/11 | | | | | | | | | | | | | |
| 503 | RZ-B | 20 days | Mon 5/16/11 | Fri 6/10/11 | 561 | | | | | | | | | | | | |
| 504 | RZ-C | 20 days | Wed 6/1/11 | Tue 6/28/11 | 571 | | | | | | | | | | | | |
| 505 | RZ-D | 10 days | Mon 5/9/11 | Fri 5/20/11 | 581 | | | | | | | | | | | | |
| 506 | RZ-E** | 10 days | Mon 6/13/11 | Fri 6/24/11 | 591 | | | | | | | | | | | | |
| 507 | Human Health Risk Evaluation | 432 days | Mon 1/4/10 | Tue 8/23/11 | | | | | | | | | | | | | |
| 508 | Human Health Risk WP | 48 days | Mon 1/4/10 | Wed 3/10/10 | | | | | | | | | | | | | |
| 512 | Human Health Risk Evaluation/Reports | 344 days | Tue 2/23/10 | Fri 6/10/11 | | | | | | | | | | | | | |

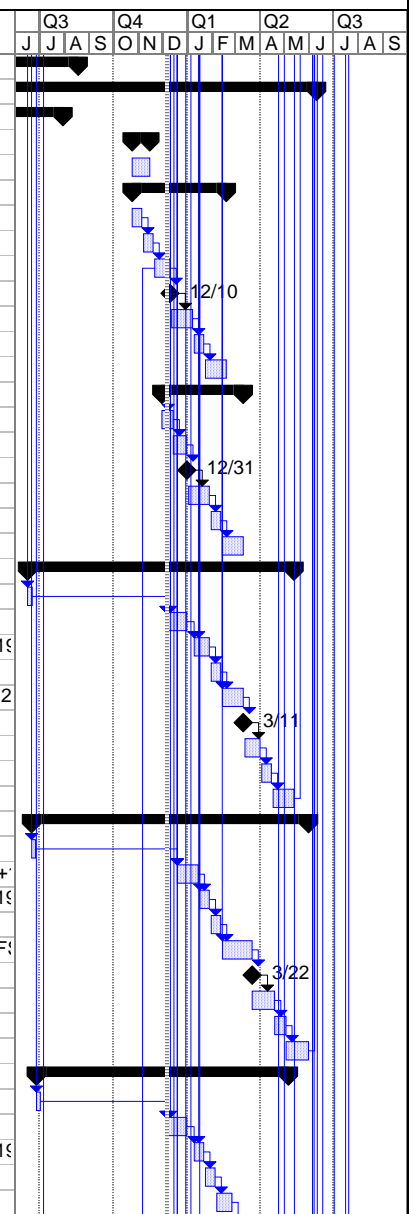
Task Milestone Rolled Up Task Rolled Up Progress External Tasks Group By Summary

Progress Summary Rolled Up Milestone Split Project Summary Deadline

* Task milestone subject to change based on contractor input
 ** Pending BMI policy tasks - may be subject to change

Tronox Remediation Program Schedule December 5, 2010

| ID | Task Name | Duration | Start | Finish | Predecessors | Q3 | | Q4 | | Q1 | | Q2 | | Q3 | |
|-----|--|-----------------|---------------------|---------------------|-----------------|----|---|----|---|----|---|----|---|----|---|
| | | | | | | J | J | A | S | O | N | D | J | F | M |
| 513 | Decision Unit Development | 132 days | Tue 2/23/10 | Wed 8/18/10 | | | | | | | | | | | |
| 521 | Post Closure Risk Assessment | 330 days | Mon 3/15/10 | Fri 6/10/11 | | | | | | | | | | | |
| 522 | RZ-A | 105 days | Mon 3/15/10 | Fri 7/30/10 | | | | | | | | | | | |
| 535 | Parcel A/B Soil Gas** | 16 days | Mon 10/25/10 | Mon 11/15/10 | | | | | | | | | | | |
| 536 | Respond to NDEP Comments** | 16 days | Mon 10/25/10 | Mon 11/15/10 | | | | | | | | | | | |
| 537 | Parcel CDFGH ** | 85 days | Mon 10/25/10 | Fri 2/18/11 | | | | | | | | | | | |
| 538 | Data Evaluation | 10 days | Mon 10/25/10 | Fri 11/5/10 | 470FS+62 days | | | | | | | | | | |
| 539 | Data Usability** | 10 days | Mon 11/8/10 | Fri 11/19/10 | 538 | | | | | | | | | | |
| 540 | Prepare HHRA** | 15 days | Mon 11/22/10 | Fri 12/10/10 | 539 | | | | | | | | | | |
| 541 | Submit RA to NDEP** | 0 days | Fri 12/10/10 | Fri 12/10/10 | 540 | | | | | | | | | | |
| 542 | NDEP Review and Comment** | 20 days | Mon 12/13/10 | Fri 1/7/11 | 541 | | | | | | | | | | |
| 543 | RTC and Revisions** | 10 days | Mon 1/10/11 | Fri 1/21/11 | 542 | | | | | | | | | | |
| 544 | NDEP Review and Approval** | 20 days | Mon 1/24/11 | Fri 2/18/11 | 543 | | | | | | | | | | |
| 545 | Manganese Tails Area | 73 days | Wed 12/1/10 | Fri 3/11/11 | | | | | | | | | | | |
| 546 | Data Evaluation | 10 days | Wed 12/1/10 | Tue 12/14/10 | 385 | | | | | | | | | | |
| 547 | Prepare Screening Level RA | 13 days | Wed 12/15/10 | Fri 12/31/10 | 546 | | | | | | | | | | |
| 548 | Submit RA to NDEP** | 0 days | Fri 12/31/10 | Fri 12/31/10 | 547 | | | | | | | | | | |
| 549 | NDEP Review and Comment** | 20 days | Mon 1/3/11 | Fri 1/28/11 | 548 | | | | | | | | | | |
| 550 | RTC and Revisions** | 10 days | Mon 1/31/11 | Fri 2/11/11 | 549 | | | | | | | | | | |
| 551 | NDEP Review and Approval** | 20 days | Mon 2/14/11 | Fri 3/11/11 | 550 | | | | | | | | | | |
| 552 | RZ-B | 240 days | Thu 6/17/10 | Fri 5/13/11 | | | | | | | | | | | |
| 553 | Data Evaluation | 5 days | Thu 6/17/10 | Tue 6/22/10 | 517,168 | | | | | | | | | | |
| 554 | Data Table Preparation and Submittal to NDEP | 20 days | Mon 12/6/10 | Fri 12/31/10 | 553,384,174 | | | | | | | | | | |
| 555 | Data Usability | 15 days | Mon 1/10/11 | Fri 1/28/11 | 193SF+4 days,19 | | | | | | | | | | |
| 556 | Preliminary Risk Calculations | 10 days | Mon 1/31/11 | Fri 2/11/11 | 555 | | | | | | | | | | |
| 557 | Prepare HHRA | 20 days | Mon 2/14/11 | Fri 3/11/11 | 556,194FF,190,2 | | | | | | | | | | |
| 558 | Submit RA to NDEP | 0 days | Fri 3/11/11 | Fri 3/11/11 | 557 | | | | | | | | | | |
| 559 | NDEP Review and Comment | 15 days | Mon 3/14/11 | Fri 4/1/11 | 558 | | | | | | | | | | |
| 560 | RTC and Revisions | 10 days | Mon 4/4/11 | Fri 4/15/11 | 559 | | | | | | | | | | |
| 561 | NDEP Review and Approval | 20 days | Mon 4/18/11 | Fri 5/13/11 | 560 | | | | | | | | | | |
| 562 | RZ-C | 248 days | Tue 6/22/10 | Tue 5/31/11 | | | | | | | | | | | |
| 563 | Data Evaluation | 5 days | Tue 6/22/10 | Sat 6/26/10 | 518,169 | | | | | | | | | | |
| 564 | Data Table Preparation and Submittal to NDEP | 20 days | Mon 12/20/10 | Fri 1/14/11 | 563,384,174FS+ | | | | | | | | | | |
| 565 | Data Usability | 10 days | Mon 1/17/11 | Fri 1/28/11 | 199SF+4 days,19 | | | | | | | | | | |
| 566 | Preliminary Risk Calculations | 10 days | Mon 1/31/11 | Fri 2/11/11 | 565 | | | | | | | | | | |
| 567 | Prepare HHRA | 27 days | Mon 2/14/11 | Tue 3/22/11 | 566,200FF,219F! | | | | | | | | | | |
| 568 | Submit RA to NDEP | 0 days | Tue 3/22/11 | Tue 3/22/11 | 567 | | | | | | | | | | |
| 569 | NDEP Review and Comment | 20 days | Wed 3/23/11 | Tue 4/19/11 | 568 | | | | | | | | | | |
| 570 | RTC and Revisions | 10 days | Wed 4/20/11 | Tue 5/3/11 | 569 | | | | | | | | | | |
| 571 | NDEP Review and Approval | 20 days | Wed 5/4/11 | Tue 5/31/11 | 570 | | | | | | | | | | |
| 572 | RZ-D | 225 days | Mon 6/28/10 | Fri 5/6/11 | | | | | | | | | | | |
| 573 | Data Evaluation | 5 days | Mon 6/28/10 | Fri 7/2/10 | 519,170 | | | | | | | | | | |
| 574 | Data Table Preparation and Submittal to NDEP | 20 days | Mon 12/6/10 | Fri 12/31/10 | 573,384,174 | | | | | | | | | | |
| 575 | Data Usability | 10 days | Mon 1/10/11 | Fri 1/21/11 | 205SF+4 days,19 | | | | | | | | | | |
| 576 | Preliminary Risk Calculations | 10 days | Mon 1/24/11 | Fri 2/4/11 | 575 | | | | | | | | | | |
| 577 | Prepare HHRA | 15 days | Mon 2/7/11 | Fri 2/25/11 | 576,206FF | | | | | | | | | | |

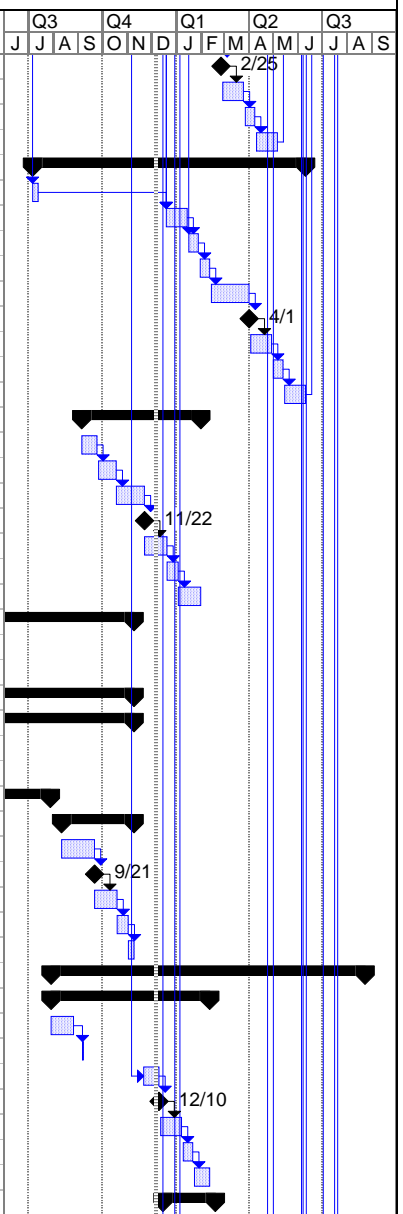


Task Milestone Rolled Up Task Rolled Up Progress External Tasks Group By Summary
 Progress Summary Rolled Up Milestone Split Project Summary Deadline

* Task milestone subject to change based on contractor input
 ** Pending BMI policy tasks - may be subject to change

Tronox Remediation Program Schedule December 5, 2010

| ID | Task Name | Duration | Start | Finish | Predecessors | Q3 | | | Q4 | | | Q1 | | | Q2 | | | Q3 | | | |
|-----|---|-----------------|---------------------|--------------------|------------------|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|---|
| | | | | | | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S |
| 578 | Submit RA to NDEP | 0 days | Fri 2/25/11 | Fri 2/25/11 | 577 | | | | | | | | | | | | | | | | |
| 579 | NDEP Review and Comment | 20 days | Mon 2/28/11 | Fri 3/25/11 | 578 | | | | | | | | | | | | | | | | |
| 580 | RTC and Revisions | 10 days | Mon 3/28/11 | Fri 4/8/11 | 579 | | | | | | | | | | | | | | | | |
| 581 | NDEP Review and Approval | 20 days | Mon 4/11/11 | Fri 5/6/11 | 580 | | | | | | | | | | | | | | | | |
| 582 | RZ-E** | 243 days | Wed 7/7/10 | Fri 6/10/11 | | | | | | | | | | | | | | | | | |
| 583 | Data Evaluation | 5 days | Wed 7/7/10 | Tue 7/13/10 | 520,171 | | | | | | | | | | | | | | | | |
| 584 | Data Table Preparation and Submittal to NDEP | 20 days | Mon 12/20/10 | Fri 1/14/11 | 583,384,174FS+ | | | | | | | | | | | | | | | | |
| 585 | Data Usability** | 10 days | Mon 1/17/11 | Fri 1/28/11 | 213SF+4 days, 19 | | | | | | | | | | | | | | | | |
| 586 | Preliminary Risk Calculations** | 10 days | Mon 1/31/11 | Fri 2/11/11 | 585 | | | | | | | | | | | | | | | | |
| 587 | Prepare HHRA** | 35 days | Mon 2/14/11 | Fri 4/1/11 | 586,214FF | | | | | | | | | | | | | | | | |
| 588 | Submit RA to NDEP** | 0 days | Fri 4/1/11 | Fri 4/1/11 | 587 | | | | | | | | | | | | | | | | |
| 589 | NDEP Review and Comment** | 20 days | Mon 4/4/11 | Fri 4/29/11 | 588 | | | | | | | | | | | | | | | | |
| 590 | RTC and Revisions** | 10 days | Mon 5/2/11 | Fri 5/13/11 | 589 | | | | | | | | | | | | | | | | |
| 591 | NDEP Review and Approve RA** | 20 days | Mon 5/16/11 | Fri 6/10/11 | 590 | | | | | | | | | | | | | | | | |
| 592 | Site Wide Soil Gas Risk Assessment Report | 106 days | Mon 9/6/10 | Mon 1/31/11 | | | | | | | | | | | | | | | | | |
| 593 | Data Evaluation | 15 days | Mon 9/6/10 | Fri 9/24/10 | | | | | | | | | | | | | | | | | |
| 594 | Data Usability | 16 days | Mon 9/27/10 | Mon 10/18/10 | 593 | | | | | | | | | | | | | | | | |
| 595 | Prepare HHRA | 25 days | Tue 10/19/10 | Mon 11/22/10 | 594 | | | | | | | | | | | | | | | | |
| 596 | Submit RA to NDEP | 0 days | Mon 11/22/10 | Mon 11/22/10 | 595 | | | | | | | | | | | | | | | | |
| 597 | NDEP Review and Comment | 20 days | Tue 11/23/10 | Mon 12/20/10 | 596 | | | | | | | | | | | | | | | | |
| 598 | RTC and Revisions | 10 days | Tue 12/21/10 | Mon 1/3/11 | 597 | | | | | | | | | | | | | | | | |
| 599 | NDEP Review and Approve RA | 20 days | Tue 1/4/11 | Mon 1/31/11 | 598 | | | | | | | | | | | | | | | | |
| 600 | Soil Vapor Intrusion Evaluation and Mitigation | 227 days | Mon 1/4/10 | Tue 11/9/10 | | | | | | | | | | | | | | | | | |
| 601 | Evaluate Soil Gas Data | 10 days | Mon 1/4/10 | Fri 1/15/10 | | | | | | | | | | | | | | | | | |
| 602 | Evaluate Phase B Soil Data | 10 days | Mon 1/18/10 | Fri 1/29/10 | 601 | | | | | | | | | | | | | | | | |
| 603 | Evaluate Need for Mitigation | 192 days | Mon 2/22/10 | Tue 11/9/10 | | | | | | | | | | | | | | | | | |
| 604 | IAQ Testing (if required) | 192 days | Mon 2/22/10 | Tue 11/9/10 | | | | | | | | | | | | | | | | | |
| 605 | Evaluate need for IAQ Testing | 10 days | Mon 2/22/10 | Fri 3/5/10 | 602FS+15 days | | | | | | | | | | | | | | | | |
| 606 | IAQ Testing Plan | 40 days | Mon 3/8/10 | Fri 4/30/10 | | | | | | | | | | | | | | | | | |
| 614 | IAQ Testing Implementation | 66 days | Wed 5/5/10 | Wed 7/28/10 | | | | | | | | | | | | | | | | | |
| 623 | IAQ Evaluation Report | 64 days | Thu 8/12/10 | Tue 11/9/10 | | | | | | | | | | | | | | | | | |
| 624 | Prepare Report | 29 days | Thu 8/12/10 | Tue 9/21/10 | 622FS+10 days | | | | | | | | | | | | | | | | |
| 625 | Submit to NDEP | 0 days | Tue 9/21/10 | Tue 9/21/10 | 624 | | | | | | | | | | | | | | | | |
| 626 | NDEP Review and Comments | 20 days | Wed 9/22/10 | Tue 10/19/10 | 625 | | | | | | | | | | | | | | | | |
| 627 | RTC and Revisions | 10 days | Wed 10/20/10 | Tue 11/2/10 | 626 | | | | | | | | | | | | | | | | |
| 628 | NDEP Approval | 5 days | Wed 11/3/10 | Tue 11/9/10 | 627 | | | | | | | | | | | | | | | | |
| 629 | Closures | 278 days | Fri 7/30/10 | Tue 8/23/11 | | | | | | | | | | | | | | | | | |
| 630 | Parcel C, D, F, G and H** | 141 days | Fri 7/30/10 | Fri 2/11/11 | | | | | | | | | | | | | | | | | |
| 631 | Data Evaluation | 20 days | Fri 7/30/10 | Thu 8/26/10 | 469FS+7 days | | | | | | | | | | | | | | | | |
| 632 | Call with NDEP | 1 day | Tue 9/7/10 | Tue 9/7/10 | 631FS+7 days | | | | | | | | | | | | | | | | |
| 633 | Prepare Closure Report** | 15 days | Mon 11/22/10 | Fri 12/10/10 | 540SS | | | | | | | | | | | | | | | | |
| 634 | Submit CR to NDEP** | 0 days | Fri 12/10/10 | Fri 12/10/10 | 633 | | | | | | | | | | | | | | | | |
| 635 | NDEP Review and Comments** | 20 days | Mon 12/13/10 | Fri 1/7/11 | 634 | | | | | | | | | | | | | | | | |
| 636 | RTC and Revisions** | 10 days | Mon 1/10/11 | Fri 1/21/11 | 635 | | | | | | | | | | | | | | | | |
| 637 | NDEP Review and Approve CR** | 15 days | Mon 1/24/11 | Fri 2/11/11 | 636 | | | | | | | | | | | | | | | | |
| 638 | Manganese Tails Area | 47 days | Thu 12/16/10 | Fri 2/18/11 | | | | | | | | | | | | | | | | | |

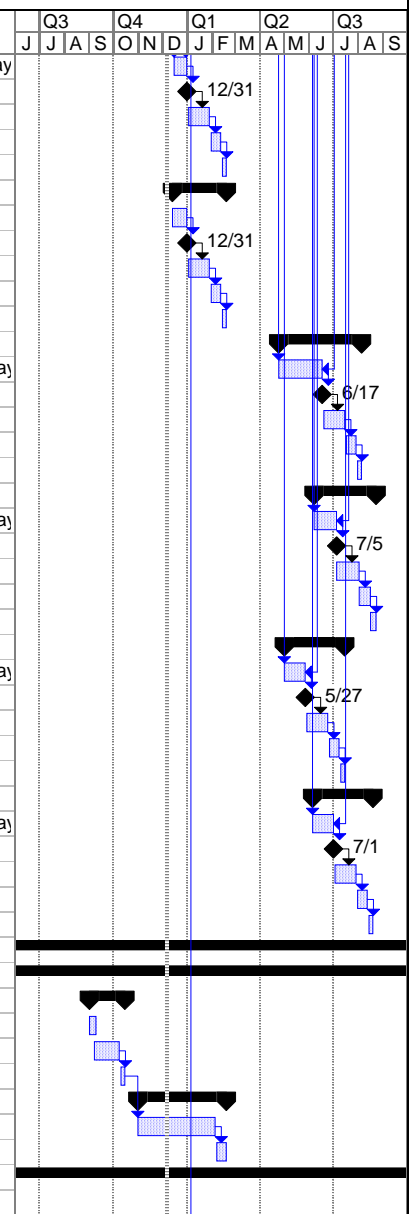


Task Milestone Rolled Up Task Rolled Up Progress External Tasks Group By Summary
 Progress Summary Rolled Up Milestone Split Project Summary Deadline

* Task milestone subject to change based on contractor input
 ** Pending BMI policy tasks - may be subject to change

Tronox Remediation Program Schedule December 5, 2010

| ID | Task Name | Duration | Start | Finish | Predecessors | Q3 | | Q4 | | Q1 | | Q2 | | Q3 | |
|-----|--|------------------|---------------------|--------------------|-----------------|----|---|----|---|----|---|----|---|----|---|
| | | | | | | J | A | S | O | N | D | J | F | M | A |
| 639 | Prepare Closure Report | 12 days | Thu 12/16/10 | Fri 12/31/10 | 385,390FS-5 day | | | | | | | | | | |
| 640 | Submit CR to NDEP | 0 days | Fri 12/31/10 | Fri 12/31/10 | 639 | | | | | | | | | | |
| 641 | NDEP Review and Comments | 20 days | Mon 1/3/11 | Fri 1/28/11 | 640 | | | | | | | | | | |
| 642 | RTC and Revisions | 10 days | Mon 1/31/11 | Fri 2/11/11 | 641 | | | | | | | | | | |
| 643 | NDEP Review and Approval | 5 days | Mon 2/14/11 | Fri 2/18/11 | 642 | | | | | | | | | | |
| 644 | LOU 10 | 49 days | Tue 12/14/10 | Fri 2/18/11 | | | | | | | | | | | |
| 645 | Prepare Closure Report | 14 days | Tue 12/14/10 | Fri 12/31/10 | 450FS+20 days | | | | | | | | | | |
| 646 | Submit CR to NDEP | 0 days | Fri 12/31/10 | Fri 12/31/10 | 645 | | | | | | | | | | |
| 647 | NDEP Review and Comments | 20 days | Mon 1/3/11 | Fri 1/28/11 | 646 | | | | | | | | | | |
| 648 | RTC and Revisions | 10 days | Mon 1/31/11 | Fri 2/11/11 | 647 | | | | | | | | | | |
| 649 | NDEP Review and Approval | 5 days | Mon 2/14/11 | Fri 2/18/11 | 648 | | | | | | | | | | |
| 650 | RZ-B | 75 days | Mon 4/25/11 | Fri 8/5/11 | | | | | | | | | | | |
| 651 | Prepare Closure Report | 40 days | Mon 4/25/11 | Fri 6/17/11 | 408,503FF+5 day | | | | | | | | | | |
| 652 | Submit CR to NDEP | 0 days | Fri 6/17/11 | Fri 6/17/11 | 651 | | | | | | | | | | |
| 653 | NDEP Review and Comments | 20 days | Mon 6/20/11 | Fri 7/15/11 | 652 | | | | | | | | | | |
| 654 | RTC and Revisions | 10 days | Mon 7/18/11 | Fri 7/29/11 | 653 | | | | | | | | | | |
| 655 | NDEP Review and Approval | 5 days | Mon 8/1/11 | Fri 8/5/11 | 654 | | | | | | | | | | |
| 656 | RZ-C | 55 days | Wed 6/8/11 | Tue 8/23/11 | | | | | | | | | | | |
| 657 | Prepare Closure Report | 20 days | Wed 6/8/11 | Tue 7/5/11 | 417,504FF+5 day | | | | | | | | | | |
| 658 | Submit CR to NDEP | 0 days | Tue 7/5/11 | Tue 7/5/11 | 657 | | | | | | | | | | |
| 659 | NDEP Review and Comments | 20 days | Wed 7/6/11 | Tue 8/2/11 | 658 | | | | | | | | | | |
| 660 | RTC and Revisions | 10 days | Wed 8/3/11 | Tue 8/16/11 | 659 | | | | | | | | | | |
| 661 | NDEP Review and Approval | 5 days | Wed 8/17/11 | Tue 8/23/11 | 660 | | | | | | | | | | |
| 662 | RZ-D | 55 days | Mon 5/2/11 | Fri 7/15/11 | | | | | | | | | | | |
| 663 | Prepare Closure Report | 20 days | Mon 5/2/11 | Fri 5/27/11 | 443,505FF+5 day | | | | | | | | | | |
| 664 | Submit CR to NDEP | 0 days | Fri 5/27/11 | Fri 5/27/11 | 663 | | | | | | | | | | |
| 665 | NDEP Review and Comments | 20 days | Mon 5/30/11 | Fri 6/24/11 | 664 | | | | | | | | | | |
| 666 | RTC and Revisions | 10 days | Mon 6/27/11 | Fri 7/8/11 | 665 | | | | | | | | | | |
| 667 | NDEP Review and Approval | 5 days | Mon 7/11/11 | Fri 7/15/11 | 666 | | | | | | | | | | |
| 668 | RZ-E** | 55 days | Mon 6/6/11 | Fri 8/19/11 | | | | | | | | | | | |
| 669 | Prepare Closure Report** | 20 days | Mon 6/6/11 | Fri 7/1/11 | 455,506FF+5 day | | | | | | | | | | |
| 670 | Submit CR to NDEP** | 0 days | Fri 7/1/11 | Fri 7/1/11 | 669 | | | | | | | | | | |
| 671 | NDEP Review and Comments** | 20 days | Mon 7/4/11 | Fri 7/29/11 | 670 | | | | | | | | | | |
| 672 | RTC and Revisions** | 10 days | Mon 8/1/11 | Fri 8/12/11 | 671 | | | | | | | | | | |
| 673 | NDEP Review and Approval** | 5 days | Mon 8/15/11 | Fri 8/19/11 | 672 | | | | | | | | | | |
| 674 | Leaching/Groundwater Program | 2286 days | Thu 11/12/09 | Thu 8/9/18 | | | | | | | | | | | |
| 675 | Vadose Zone | 2120 days | Mon 3/1/10 | Fri 4/6/18 | | | | | | | | | | | |
| 676 | Background Analysis and Errata to Leaching Memo | 32 days | Thu 9/2/10 | Fri 10/15/10 | | | | | | | | | | | |
| 677 | Preparation and Submittal to NDEP | 6 days | Thu 9/2/10 | Thu 9/9/10 | | | | | | | | | | | |
| 678 | NDEP Review and Comment | 23 days | Wed 9/8/10 | Fri 10/8/10 | | | | | | | | | | | |
| 679 | Revised Memo | 5 days | Mon 10/11/10 | Fri 10/15/10 | 678 | | | | | | | | | | |
| 680 | Feasibility Study for Alternative Remedial Approaches | 80 days | Mon 11/1/10 | Fri 2/18/11 | | | | | | | | | | | |
| 681 | Screen Technologies and Prepare Tech Memo | 70 days | Mon 11/1/10 | Fri 2/4/11 | 679 | | | | | | | | | | |
| 682 | NDEP Review and Comment | 10 days | Mon 2/7/11 | Fri 2/18/11 | 681 | | | | | | | | | | |
| 683 | Soil Flushing/In-Situ Bioremediation | 2120 days | Mon 3/1/10 | Fri 4/6/18 | | | | | | | | | | | |
| 684 | Pilot Test Workplan | 21 days | Mon 3/1/10 | Mon 3/29/10 | | | | | | | | | | | |

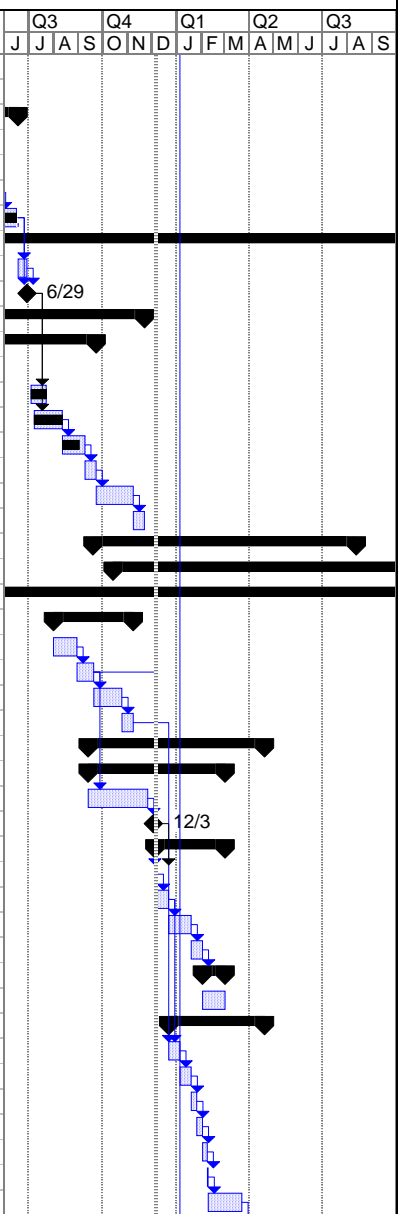


Task Milestone Rolled Up Task Rolled Up Progress External Tasks Group By Summary
 Progress Summary Rolled Up Milestone Split Project Summary Deadline

* Task milestone subject to change based on contractor input
 ** Pending BMI policy tasks - may be subject to change

Tronox Remediation Program Schedule December 5, 2010

| ID | Task Name | Duration | Start | Finish | Predecessors | Q3 | | | Q4 | | | Q1 | | | Q2 | | | Q3 | | | |
|-----|--|------------------|---------------------|---------------------|-------------------|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|--|
| | | | | | | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | |
| 685 | Workplan Preparation | 15 days | Mon 3/1/10 | Fri 3/19/10 | | | | | | | | | | | | | | | | | |
| 686 | Review Workplan (Tronox, Chartis) | 6 days | Mon 3/22/10 | Mon 3/29/10 | 685 | | | | | | | | | | | | | | | | |
| 687 | Revise and Finalize WP | 61 days | Mon 3/29/10 | Fri 6/18/10 | 686 | | | | | | | | | | | | | | | | |
| 688 | Submit WP to NDEP | 0 days | Mon 3/29/10 | Mon 3/29/10 | 687 | | | | | | | | | | | | | | | | |
| 689 | NDEP Review | 15 days | Tue 3/30/10 | Mon 4/19/10 | 688 | | | | | | | | | | | | | | | | |
| 690 | Respond to Comments/WP Finalization | 27 days | Tue 4/20/10 | Wed 5/26/10 | 689 | | | | | | | | | | | | | | | | |
| 691 | NDEP Review and Approval | 17 days | Thu 5/27/10 | Fri 6/18/10 | 690 | | | | | | | | | | | | | | | | |
| 692 | Pilot Test Implementation | 2070 days | Mon 5/10/10 | Fri 4/6/11 | | | | | | | | | | | | | | | | | |
| 693 | Contractor Selection | 10 days | Sat 6/19/10 | Tue 6/29/10 | 691 | | | | | | | | | | | | | | | | |
| 694 | Notice to Proceed | 0 days | Tue 6/29/10 | Tue 6/29/10 | 691,693 | | | | | | | | | | | | | | | | |
| 695 | Column Studies | 146 days | Mon 5/10/10 | Mon 11/22/10 | | | | | | | | | | | | | | | | | |
| 696 | Laboratory Studies | 104 days | Mon 5/10/10 | Thu 9/23/10 | | | | | | | | | | | | | | | | | |
| 697 | Collect Soil and Water Materials | 5 days | Mon 5/10/10 | Fri 5/14/10 | 696 | | | | | | | | | | | | | | | | |
| 698 | Analyze Soil and Water Materials | 15 days | Mon 7/5/10 | Fri 7/23/10 | 694 | | | | | | | | | | | | | | | | |
| 699 | Prepare Soil Columns | 25 days | Fri 7/9/10 | Thu 8/12/10 | 694FS+4 days | | | | | | | | | | | | | | | | |
| 700 | Conduct soil column tests | 20 days | Fri 8/13/10 | Thu 9/9/10 | 699 | | | | | | | | | | | | | | | | |
| 701 | Complete Post Test Analyses | 10 days | Fri 9/10/10 | Thu 9/23/10 | 700 | | | | | | | | | | | | | | | | |
| 702 | Column Study Tech Memo Submittal to NDEP | 32 days | Fri 9/24/10 | Mon 11/8/10 | 701 | | | | | | | | | | | | | | | | |
| 703 | NDEP Review Column Study Tech Memo | 10 days | Tue 11/9/10 | Mon 11/22/10 | 702 | | | | | | | | | | | | | | | | |
| 704 | Soil Flushing Pilot Test (In Discussion w/NDEP) | 235 days | Mon 9/20/10 | Fri 8/12/11 | | | | | | | | | | | | | | | | | |
| 726 | Full Scale Design, Installation, and Operation (In Disc w/NDEP) | 1951 days | Fri 10/15/10 | Fri 4/6/11 | | | | | | | | | | | | | | | | | |
| 732 | In-Situ Bioremediation of Groundwater | 2191 days | Thu 3/25/10 | Thu 8/9/11 | | | | | | | | | | | | | | | | | |
| 733 | Workplan | 71 days | Mon 8/2/10 | Mon 11/8/10 | | | | | | | | | | | | | | | | | |
| 734 | Workplan Preparation and Submittal to NDEP | 21 days | Mon 8/2/10 | Mon 8/30/10 | 733 | | | | | | | | | | | | | | | | |
| 735 | NDEP Review and Prelim Approval (Bench Scale Studies) | 15 days | Tue 8/31/10 | Mon 9/20/10 | 734 | | | | | | | | | | | | | | | | |
| 736 | Respond to Comments/WP Finalization | 25 days | Tue 9/21/10 | Mon 10/25/10 | 735 | | | | | | | | | | | | | | | | |
| 737 | NDEP Approval | 10 days | Tue 10/26/10 | Mon 11/8/10 | 736 | | | | | | | | | | | | | | | | |
| 738 | Pilot Test Implementation | 157 days | Tue 9/14/10 | Wed 4/20/11 | | | | | | | | | | | | | | | | | |
| 739 | Bench Scale Study | 122 days | Tue 9/14/10 | Wed 3/2/11 | | | | | | | | | | | | | | | | | |
| 740 | Contractor Selection | 54 days | Tue 9/14/10 | Fri 11/26/10 | 735FS-5 days | | | | | | | | | | | | | | | | |
| 741 | Notice to Proceed | 0 days | Fri 12/3/10 | Fri 12/3/10 | 740FS+5 days | | | | | | | | | | | | | | | | |
| 742 | Implementation | 63 days | Mon 12/6/10 | Wed 3/2/11 | | | | | | | | | | | | | | | | | |
| 743 | Collect Soil and Water Materials | 3 days | Mon 12/6/10 | Wed 12/8/10 | 742FS+5 days, 741 | | | | | | | | | | | | | | | | |
| 744 | Analyze Soil and Water Materials | 10 days | Thu 12/9/10 | Wed 12/22/10 | 743 | | | | | | | | | | | | | | | | |
| 745 | Implement Bench Scale Study | 20 days | Thu 12/23/10 | Wed 1/19/11 | 744 | | | | | | | | | | | | | | | | |
| 746 | Complete Post Test Analyses | 10 days | Thu 1/20/11 | Wed 2/2/11 | 745 | | | | | | | | | | | | | | | | |
| 747 | Prepare Bench Scale Study Tech Memo | 20 days | Thu 2/3/11 | Wed 3/2/11 | 746 | | | | | | | | | | | | | | | | |
| 748 | Memo Preparation and Submit to NDEP | 20 days | Thu 2/3/11 | Wed 3/2/11 | 747 | | | | | | | | | | | | | | | | |
| 749 | Pilot Scale Demonstration | 85 days | Thu 12/23/10 | Wed 4/20/11 | | | | | | | | | | | | | | | | | |
| 750 | Sample Candidate Pilot Study Areas | 10 days | Thu 12/23/10 | Wed 1/5/11 | 749,744 | | | | | | | | | | | | | | | | |
| 751 | Analyze Samples from Candidate Areas | 10 days | Thu 1/6/11 | Wed 1/19/11 | 750 | | | | | | | | | | | | | | | | |
| 752 | Select Pilot Study Area | 5 days | Thu 1/20/11 | Wed 1/26/11 | 751 | | | | | | | | | | | | | | | | |
| 753 | Complete Analysis of Study Area | 5 days | Thu 1/27/11 | Wed 2/2/11 | 752 | | | | | | | | | | | | | | | | |
| 754 | Install Pilot Study Monitoring Locations | 4 days | Thu 2/3/11 | Tue 2/8/11 | 753 | | | | | | | | | | | | | | | | |
| 755 | Sample Pilot Study Monitoring Locations | 1 day | Wed 2/9/11 | Wed 2/9/11 | 754 | | | | | | | | | | | | | | | | |
| 756 | In-Situ Reagent Injection | 30 days | Thu 2/10/11 | Wed 3/23/11 | 755 | | | | | | | | | | | | | | | | |















Task Milestone Rolled Up Task Rolled Up Progress External Tasks Group By Summary

Progress Summary Rolled Up Milestone Split Project Summary Deadline

** Task milestone subject to change based on contractor input*
*** Pending BMI policy tasks - may be subject to change*

Tronox Remediation Program Schedule December 5, 2010













| ID | Task Name | Duration | Start | Finish | Predecessors | Q3 | | | Q4 | | | Q1 | | | Q2 | | | Q3 | | | | |
|-----|---|------------------|---------------------|---------------------|---------------|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|---|--|
| | | | | | | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | |
| 757 | Complete Pilot Study Monitoring | 20 days | Thu 3/24/11 | Wed 4/20/11 | 756 | | | | | | | | | | | | | | | | | |
| 758 | Pilot Test Evaluation Report | 50 days | Thu 4/21/11 | Wed 6/29/11 | | | | | | | | | | | | | | | | | | |
| 759 | Report Preparation | 20 days | Thu 4/21/11 | Wed 5/18/11 | 757 | | | | | | | | | | | | | | | | | |
| 760 | Submit Report to NDEP | 0 days | Wed 5/18/11 | Wed 5/18/11 | 759 | | | | | | | | | | | | | | | | | |
| 761 | NDEP Review | 15 days | Thu 5/19/11 | Wed 6/8/11 | 760 | | | | | | | | | | | | | | | | | |
| 762 | Respond to Comments/Report Finalization | 10 days | Thu 6/9/11 | Wed 6/22/11 | 761 | | | | | | | | | | | | | | | | | |
| 763 | NDEP Approval | 5 days | Thu 6/23/11 | Wed 6/29/11 | 762 | | | | | | | | | | | | | | | | | |
| 764 | Full Scale Design and Installation (if required) | 1856 days | Thu 6/30/11 | Thu 8/9/18 | | | | | | | | | | | | | | | | | | |
| 765 | Prepare Remediation Plans and Specifications | 10 days | Thu 6/30/11 | Wed 7/13/11 | 763 | | | | | | | | | | | | | | | | | |
| 766 | Review Plans and Specifications (Tronox, Chartis) | 5 days | Thu 7/14/11 | Wed 7/20/11 | 765 | | | | | | | | | | | | | | | | | |
| 767 | Issue Plans and Specifications | 5 days | Thu 7/21/11 | Wed 7/27/11 | 766 | | | | | | | | | | | | | | | | | |
| 768 | Bid Walk | 1 day | Thu 7/28/11 | Thu 7/28/11 | 767 | | | | | | | | | | | | | | | | | |
| 769 | Bid Submittal Date | 5 days | Fri 7/29/11 | Thu 8/4/11 | 768 | | | | | | | | | | | | | | | | | |
| 770 | Review Bids and Award Contract | 5 days | Fri 8/5/11 | Thu 8/11/11 | 769 | | | | | | | | | | | | | | | | | |
| 771 | Installation/Operation | 1825 days | Fri 8/12/11 | Thu 8/9/18 | 770 | | | | | | | | | | | | | | | | | |
| 772 | Capture Zone Evaluation and Reporting | 217 days | Thu 3/25/10 | Fri 1/14/11 | | | | | | | | | | | | | | | | | | |
| 773 | Develop Capture Zone Evaluation Work Plan | 79 days | Thu 3/25/10 | Wed 7/7/10 | | | | | | | | | | | | | | | | | | |
| 774 | Submit CZE Work Plan | 0 days | Thu 3/25/10 | Thu 3/25/10 | 773 | | | | | | | | | | | | | | | | | |
| 775 | NDEP Review | 6 days | Thu 3/25/10 | Thu 4/1/10 | 774 | | | | | | | | | | | | | | | | | |
| 776 | Revise Work Plan / RTC | 31 days | Fri 4/2/10 | Fri 5/14/10 | | | | | | | | | | | | | | | | | | |
| 777 | NDEP Review | 5 days | Mon 5/17/10 | Fri 5/21/10 | | | | | | | | | | | | | | | | | | |
| 778 | Approval of CZE Work Plan | 0 days | Mon 5/24/10 | Mon 5/24/10 | 777 | | | | | | | | | | | | | | | | | |
| 779 | Tronox Reponse to NDEP Comments | 0 days | Wed 7/7/10 | Wed 7/7/10 | | | | | | | | | | | | | | | | | | |
| 780 | Capture enhancement and monitoring - IWF | 199 days | Tue 4/20/10 | Fri 1/14/11 | | | | | | | | | | | | | | | | | | |
| 781 | Recovery and monitoring well installation | 84 days | Tue 4/20/10 | Fri 8/6/10 | | | | | | | | | | | | | | | | | | |
| 793 | Install UMCf well cluster near Mn-Tails excavation | 3 days | Thu 1/6/11 | Mon 1/10/11 | 390FS+10 days | | | | | | | | | | | | | | | | | |
| 794 | Six UMCf monitoring well slug tests | 15 days | Mon 8/16/10 | Fri 9/3/10 | 792 | | | | | | | | | | | | | | | | | |
| 795 | Connect additional recovery wells | 175 days | Mon 5/24/10 | Fri 1/14/11 | | | | | | | | | | | | | | | | | | |
| 796 | Prepare RFPs / Design Specifications | 91 days | Mon 5/24/10 | Mon 9/20/10 | | | | | | | | | | | | | | | | | | |
| 797 | Select Contractor(s) | 20 days | Mon 8/23/10 | Fri 9/17/10 | | | | | | | | | | | | | | | | | | |
| 798 | Connect 4" Barrier Wall wells | 26 days | Mon 9/13/10 | Mon 10/18/10 | | | | | | | | | | | | | | | | | | |
| 799 | Electrical Upgrade | 40 days | Mon 11/22/10 | Fri 1/14/11 | 798FS-1 day | | | | | | | | | | | | | | | | | |
| 800 | Connect Recovery Wells | 40 days | Mon 11/22/10 | Fri 1/14/11 | 798FS-1 day | | | | | | | | | | | | | | | | | |
| 801 | Capture enhancement and monitoring - ARWF | 145 days | Thu 6/17/10 | Fri 12/31/10 | | | | | | | | | | | | | | | | | | |
| 802 | Recovery and monitoring well installation | 28 days | Thu 6/17/10 | Wed 7/21/10 | | | | | | | | | | | | | | | | | | |
| 803 | Install Qal wells PC-141, -142, -143, -146, -147 | 3 days | Thu 6/17/10 | Sat 6/19/10 | 791 | | | | | | | | | | | | | | | | | |
| 804 | Install 'Muddy Creek High' monitoring wells PC-148, -149 | 1 day | Sun 6/20/10 | Mon 6/21/10 | 803 | | | | | | | | | | | | | | | | | |
| 805 | Install replacement well PC-134A | 1 day | Tue 6/22/10 | Tue 6/22/10 | 804 | | | | | | | | | | | | | | | | | |
| 806 | Install Qal well PC-145 | 1 day | Wed 6/23/10 | Wed 6/23/10 | 805 | | | | | | | | | | | | | | | | | |
| 807 | Replace ART-7 with deeper recovery well ART-7B | 4 days | Thu 6/24/10 | Sun 6/27/10 | 806 | | | | | | | | | | | | | | | | | |
| 808 | Install wells PC-144 and PC-150 | 2 days | Mon 6/28/10 | Tue 6/29/10 | 807 | | | | | | | | | | | | | | | | | |
| 809 | Install 5 replacement monitoring wells | 6 days | Wed 6/30/10 | Wed 7/7/10 | 808 | | | | | | | | | | | | | | | | | |
| 810 | Well development | 10 days | Thu 7/8/10 | Wed 7/21/10 | | | | | | | | | | | | | | | | | | |
| 811 | Connect recovery wells to system | 5 days | Mon 12/27/10 | Fri 12/31/10 | | | | | | | | | | | | | | | | | | |
| 812 | Plumb and connect modified well ART-7 (ON HOLD pending CZE) | 5 days | Mon 12/27/10 | Fri 12/31/10 | 810 | | | | | | | | | | | | | | | | | |
| 813 | Capture enhancement and monitoring - SWF (ON HOLD) | 0 days | Fri 12/3/10 | Fri 12/3/10 | | | | | | | | | | | | | | | | | | |

Task  Milestone  Rolled Up Task  Rolled Up Progress  External Tasks  Group By Summary 
 Progress  Summary  Rolled Up Milestone  Split  Project Summary  Deadline 

* Task milestone subject to change based on contractor input
 ** Pending BMI policy tasks - may be subject to change

Tronox Remediation Program Schedule December 5, 2010

| ID | Task Name | Duration | Start | Finish | Predecessors | Q3 | | | Q4 | | | Q1 | | | Q2 | | | Q3 | | | |
|-----|---|-----------------|---------------------|---------------------|--------------|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|---|
| | | | | | | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S |
| 814 | Install three additional monitoring wells | 0 days | Fri 12/3/10 | Fri 12/3/10 | | | | | | | | | | | | | | | | | |
| 815 | Well development | 0 days | Fri 12/3/10 | Fri 12/3/10 | | | | | | | | | | | | | | | | | |
| 816 | Barrier Wall Evaluation | 121 days | Mon 7/26/10 | Mon 1/10/11 | | | | | | | | | | | | | | | | | |
| 817 | Backhoe pits and wall survey | 4 days | Mon 7/26/10 | Thu 7/29/10 | | | | | | | | | | | | | | | | | |
| 818 | Pump 'Dead Zone' wells, monitor trends | 60 days | Tue 10/19/10 | Mon 1/10/11 | 798 | | | | | | | | | | | | | | | | |
| 819 | Hydrogeologic Modeling | 190 days | Mon 3/29/10 | Fri 12/10/10 | | | | | | | | | | | | | | | | | |
| 820 | MODFLOW Model Work Plan | 25 days | Mon 3/29/10 | Fri 4/30/10 | | | | | | | | | | | | | | | | | |
| 821 | Submit Work Plan to NDEP | 0 days | Fri 4/30/10 | Fri 4/30/10 | 820 | | | | | | | | | | | | | | | | |
| 822 | NDEP Review of Workplan | 10 days | Mon 5/3/10 | Fri 5/14/10 | 821 | | | | | | | | | | | | | | | | |
| 823 | Revise Work Plan / RTC | 3 days | Tue 6/1/10 | Thu 6/3/10 | | | | | | | | | | | | | | | | | |
| 824 | Submit Final Work Plan | 0 days | Fri 5/28/10 | Fri 5/28/10 | 823 | | | | | | | | | | | | | | | | |
| 825 | MODFLOW model development | 116 days | Mon 5/3/10 | Mon 10/4/10 | | | | | | | | | | | | | | | | | |
| 826 | MODFLOW model calibration and simulations | 75 days | Mon 8/30/10 | Fri 12/10/10 | | | | | | | | | | | | | | | | | |
| 827 | Capture reporting | 90 days | Fri 8/6/10 | Fri 12/10/10 | | | | | | | | | | | | | | | | | |
| 828 | Capture analysis | 86 days | Fri 8/6/10 | Fri 12/3/10 | | | | | | | | | | | | | | | | | |
| 829 | Report preparation and submittal | 45 days | Mon 10/4/10 | Fri 12/3/10 | | | | | | | | | | | | | | | | | |
| 830 | Submit RTC to Hydrogeologic Model Inputs Memo, Errata | 0 days | Fri 12/10/10 | Fri 12/10/10 | | | | | | | | | | | | | | | | | |
| 831 | Groundwater System OMM | 563 days | Thu 11/12/09 | Mon 1/2/12 | | | | | | | | | | | | | | | | | |
| 832 | Groundwater collection and treatment (Veolia) | 563 days | Thu 11/12/09 | Mon 1/2/12 | | | | | | | | | | | | | | | | | |
| 835 | Annual Groundwater Monitoring Event | 70 days | Mon 4/5/10 | Fri 7/2/10 | | | | | | | | | | | | | | | | | |
| 838 | Compliance Reporting | 214 days | Mon 1/11/10 | Thu 10/28/10 | | | | | | | | | | | | | | | | | |
| 839 | DMRs | 214 days | Mon 1/11/10 | Thu 10/28/10 | | | | | | | | | | | | | | | | | |
| 840 | Fourth Quarter 2009 | 13 days | Mon 1/11/10 | Thu 1/28/10 | | | | | | | | | | | | | | | | | |
| 843 | First Quarter 2010 | 12 days | Mon 4/12/10 | Wed 4/28/10 | | | | | | | | | | | | | | | | | |
| 846 | Second Quarter 2010 | 13 days | Mon 7/12/10 | Wed 7/28/10 | | | | | | | | | | | | | | | | | |
| 849 | Third Quarter 2010 | 14 days | Mon 10/11/10 | Thu 10/28/10 | | | | | | | | | | | | | | | | | |
| 852 | UIC permit reports | 210 days | Mon 1/11/10 | Fri 10/22/10 | | | | | | | | | | | | | | | | | |
| 853 | Fourth Quarter 2009 | 0 days | Thu 1/28/10 | Thu 1/28/10 | | | | | | | | | | | | | | | | | |
| 855 | First Quarter 2010 | 77 days | Mon 1/11/10 | Wed 4/28/10 | | | | | | | | | | | | | | | | | |
| 858 | Second Quarter 2010 | 83 days | Mon 4/12/10 | Wed 7/28/10 | | | | | | | | | | | | | | | | | |
| 861 | Third Quarter 2010 | 10 days | Mon 10/11/10 | Fri 10/22/10 | | | | | | | | | | | | | | | | | |
| 863 | Semiannual Reporting | 144 days | Fri 2/19/10 | Thu 9/2/10 | | | | | | | | | | | | | | | | | |
| 874 | All Parties Groundwater Meeting | 1 day | Wed 12/8/10 | Wed 12/8/10 | | | | | | | | | | | | | | | | | |

Task  Milestone  Rolled Up Task  Rolled Up Progress  External Tasks  Group By Summary 
 Progress  Summary  Rolled Up Milestone  Split  Project Summary  Deadline 

* Task milestone subject to change based on contractor input
 ** Pending BMI policy tasks - may be subject to change