



Polygon Interpolation Areas (Soil less than 10 ft bgs) (Voronoi/Thiessen Polygons)

- Dark Blue: Polygon area based on single sample location above Criteria 1*
- Light Blue: 1 long amphibole fiber with no other risk drivers
- Light Green: Polygon area based on single sample location above Criteria 2*

*Polygon Area Exceedance Criteria

Criteria 1 [Dark Blue]: Analytes detected above NDEP Worker BCLs or following criteria:
 Arsenic greater than 18 mg/kg
 Chrysotile long fiber count greater than 13
 Amphibole long fiber count greater than 1
 Dioxin greater than 2,200 ppt

Criteria 2 [Light Blue]: Analytes detected above NDEP Worker BCLs or following criteria:
 Arsenic greater than 7.2 mg/kg and less than 18 mg/kg,
 Chrysotile long fiber count greater than 5 and less than or equal to 13,
 Dioxin greater than 1,000 ppt and less than 2,200 ppt, and/or
 low levels of PAHs

Abbreviations:

- dup: Field Duplicate
- HCB: Hexachlorobenzene
- B(a)A: Benzo(a)anthracene
- B(a)P: Benzo(a)pyrene
- B(b)F: Benzo(b)fluoranthene
- D(a,h)A: Dibenzo(a,h)anthracene
- IP: Indeno(1,2,3-cd)pyrene

Notes:
 Units for asbestos in number of long fibers and dioxin in parts per trillion (ppt), all other units are in milligrams per kilogram (mg/kg).

LOU Areas Within Remediation Zone B (RZ-B)

- LOU 4 - Former Hardesty Chemical Company Site
- LOU 11 - Sodium Chlorate Filter Cake Holding Area
- LOU 12 - Hazardous Waste Storage Area
- LOU 15 - Platinum Drying Unit
- LOU 25 - Process Hardware Storage Area
- LOU 26 - Trash Storage Area
- LOU 27 - PCB Storage Area
- LOU 28 - Hazardous Waste Storage Area
- LOU 29 - Solid Waste Dumpsters
- LOU 33 - Former Sodium Perchlorate Platinum By-Product Filter
- LOU 36 - Former Satellite Accumulation Point, Unit 3, Maintenance Shop
- LOU 40 - PCB Transformer Spill
- LOU 41 - Unit 1 Tenant Stains
- LOU 42 - Unit 2 Salt Conveyor
- LOU 43 - Unit 4 Basement and Old Sodium Chlorate Plant Decommissioning
- LOU 44 - Unit 6 Basement
- LOU 51 - Leach Plant Transfer Lines
- LOU 61 - Unit 5 Basement and Old Sodium Chlorate Plant Decommissioning
- LOU 65a - Ebony Construction Sites
- LOU 65b - Buckles Construction Company

Legend

Proposed Sampling Locations

- Proposed Deeper Sampling Location
- Proposed Horizontal Delineation Sample
- Proposed Bioaccessibility Sampling Location

Existing Soil Sample Locations and Results

- Phase A Sample Location (2006)
- Phase B Sample Location (2008-2009)
- Analytes Detected Above BCL
- Impacted by compounds that exceed BCL at 2 feet bgs (2,200 ppt criteria used for Dioxin)
- Analyte Not Detected Above BCL (less than 10 ft bgs)

Parcels C,D,F,G,& H

- No BCL Exceedance at 0 ft bgs
- BCL Exceedance(s) at 0 ft bgs

#24 LOU Boundaries

- Associate LOU Pipelines
- LOU #60 Acid Drain System
- LOU #59 Storm Sewer System

- Site features (Buildings and Tanks)
- Tronox Facilities to be retained
- ChemStar Property to be retained
- Proposed Scrape Areas for parcels
- Remediation Zone Boundary

REMEDIATION ZONE B (RZ-B) UNIT BUILDINGS		
Tronox LLC Henderson, Nevada		
SCALE: 1"= 150'	DATE: 03/19/2010	PROJECT NUMBER: 2027.01

DESIGNED BY:	REVISIONS			
	NO.:	DESCRIPTION:	DATE:	BY:
DRAWN BY:				
NGEM				
CHECKED BY:				
NGEM				
APPROVED BY:				
NGEM				

northgate
 environmental management, inc.
TRONOX
<http://www.ngem.com>

FIGURE NUMBER:
1-2

SHEET NUMBER:
1