



Target Remediation - Excavation Goals

Group	Analysis	Excavation Goal	Background and Risk-Based Cleanup Goals
Asbestos	Asbestos	2,700 mg/l	1.2 mg/l
Lead	Lead	1,000 mg/l	1.0 mg/l
PCBs	PCBs	13,700 mg/kg	1.0 mg/kg
PAHs	PAHs	750 mg/kg	0.25 mg/kg

* Site-specific values
 ** BCL for Asbestos is less than background value shown is maximum background

REMEDIATION ZONES

RZ-A, RZ-B, RZ-C, RZ-D, RZ-E

Excavation Area Legend:

- Soil concentrations exceeding NCEM worker Basic Completion Levels (BCLs) of 2,700 mg/l and above, which is based on the maximum background concentration of 7.2 mg/l.
- Open or loose lead (enclaved) and/or greater than the long term (chronic) BCL.

Notes:

- Area shown, depth of excavation determined by assessment of Contamination Criteria other than procedural remediation of procedures in these areas will be accomplished using methods other than excavation and/or other disposal.
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Abbreviations:

Asp	Field Duplicate
DP	Data Pending
HCB	Hexachlorobenzene
DCB	Dibenzofuran (Toxicity Equivalence (TEQ))
PCB	Polychlorinated Biphenyls (Toxicity Equivalence (TEQ))
PAHs	Polycyclic Aromatic Hydrocarbons (Toxicity Equivalence (TEQ))
TEQ	Toxicity Equivalence

Legend:

- Sampling Locations
- Phase A Sample Location (2008)
- Phase B Sample Location (2008-2009)
- Horizontal Contamination Sample Location
- Analyte Detected Above Completion Criteria
- Analyte Not Detected Above Completion Criteria (less than 10 mg/l)
- Site Features (Buildings and Tanks)
- Remediation Zone Boundary
- Property Line
- Decontamination
- HCB Concentration
- Contaminated Region
- Station: Nevada State 14000 Feet
- Base: North American Datum 1983

LOU Areas Within Remediation Zone B (RZ-B)

LOU 1	Former Hercules Chemical Company Site (44)
LOU 2	Former Hercules Chemical Company Site (44)
LOU 3	Former Hercules Chemical Company Site (44)
LOU 4	Former Hercules Chemical Company Site (44)
LOU 5	Former Hercules Chemical Company Site (44)
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LOU 59	Former Hercules Chemical Company Site (44)
LOU 60	Former Hercules Chemical Company Site (44)

RZ-B EXCAVATION AREAS AND NATURE AND EXTENT OF CONTAMINATION

RZ-B Excavation Plan
Tronox LLC
Henderson, Nevada

DESIGNED BY: NGEM
DRAWN BY: OS
CHECKED BY: NGEM
APPROVED BY: NGEM

REVISIONS:

NO.	DESCRIPTION	DATE	BY

SCALE: 1 in = 100 ft
DATE: 11/24/10
PROJECT NUMBER: 2027.01 T90

northgate
environmental management, inc.
TRONOX
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