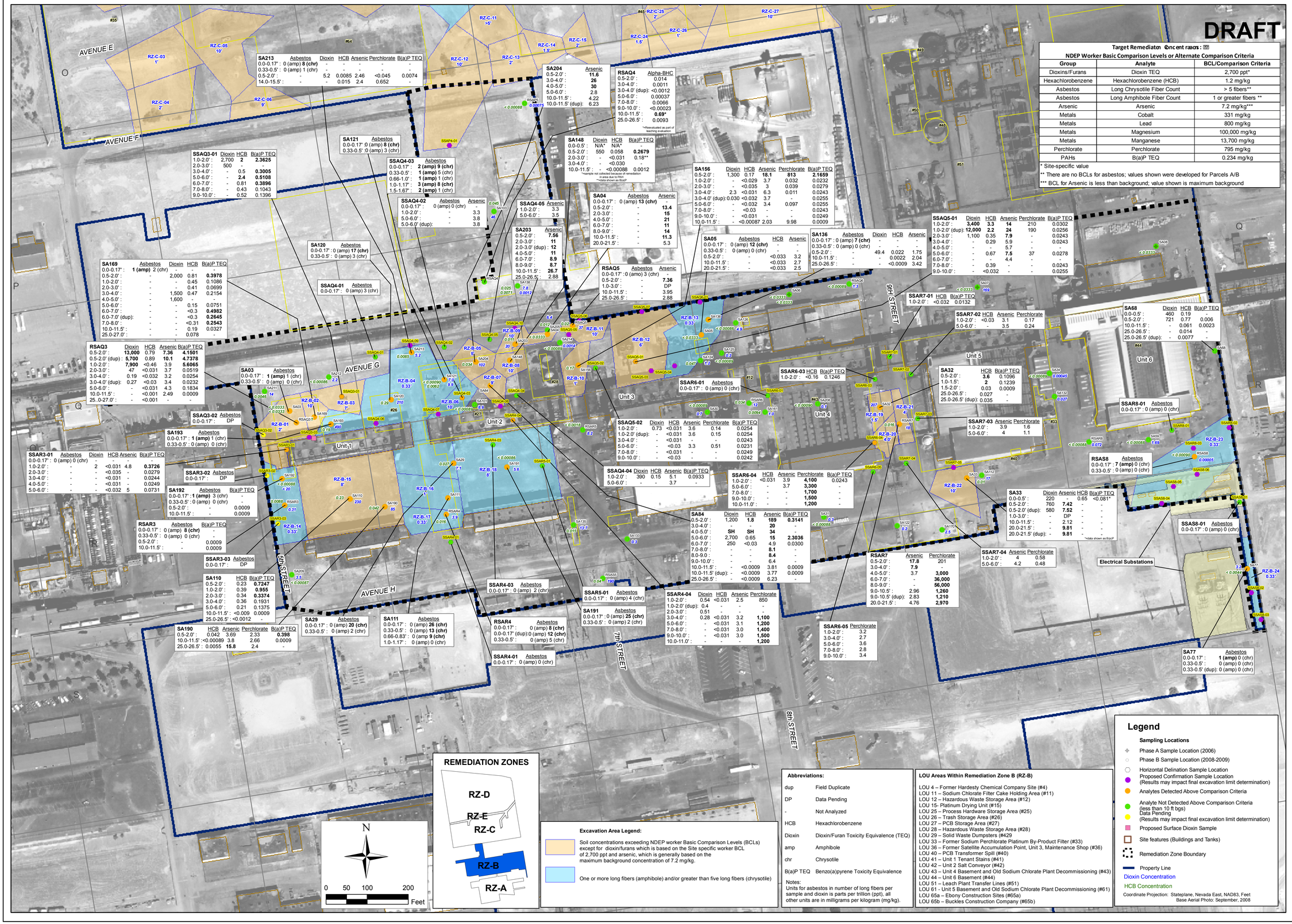

Target Remediation Concentrations

NDEP Worker Basic Comparison Levels or Alternate Comparison Criteria

Group	Analyte	BCL/Comparison Criteria
Dioxins/Furans	Dioxin TEQ	2,700 ppt*
Hexachlorobenzene	Hexachlorobenzene (HCB)	1.2 mg/kg
Asbestos	Long Chrysotile Fiber Count	> 5 fibers**
Asbestos	Long Amphibole Fiber Count	1 or greater fibers **
Arsenic	Arsenic	7.2 mg/kg***
Metals	Cobalt	331 mg/kg
Metals	Lead	800 mg/kg
Metals	Magnesium	100,000 mg/kg
Metals	Manganese	13,700 mg/kg
Perchlorate	Perchlorate	795 mg/kg
PAHs	B(a)P TEQ	0.234 mg/kg

* Site-specific value

** There are no BCLs for asbestos; values shown were developed for Parcels A/B

*** BCL for Arsenic is less than background; value shown is maximum background

Excavation Area Legend:

Soil concentrations exceeding NDEP worker Basic Comparison Levels (BCLs) except for dioxin/furans which is based on the Site specific worker BCL of 2,700 ppt and arsenic, which is generally based on the maximum background concentration of 7.2 mg/kg.

One or more long fibers (amphibole) and/or greater than five long fibers (chrysotile)

Abbreviations:

dup	Field Duplicate
DP	Data Pending
-	Not Analyzed
HCB	Hexachlorobenzene
Dioxin	Dioxin/Furan Toxicity Equivalence (TEQ)
amp	Amphibole
chr	Chrysotile
B(a)P TEQ	Benzo(a)pyrene Toxicity Equivalence

Notes:
Units for asbestos in number of long fibers per sample and dioxin is 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 (#4)
LOU 11 – Sodium Chlorate Filter Cake Holding Area (#11)
LOU 12 – Hazardous Waste Storage Area (#12)
LOU 15- Platinum Drying Unit (#15)
LOU 25 – Process Hardware Storage Area (#25)
LOU 26 – Trash Storage Area (#26)
LOU 27 – PCB Storage Area (#27)
LOU 28 – Hazardous Waste Storage Area (#28)
LOU 29 – Solid Waste Dumpsters (#429
LOU 33 – Former Sodium Perchlorate Platinum By-Product Filter (#33)
LOU 36 – Former Satellite Accumulation Point, Unit 3, Maintenance Shop (#36)
LOU 40 – PCB Transformer Spill (#40)
LOU 41 – Unit 1 Tenant Stains (#41)
LOU 42 – Unit 2 Salt Conveyor (#42)
LOU 43 – Unit 4 Basement and Old Sodium Chlorate Plant Decommissioning (#43)
LOU 44 – Unit 6 Basement (#44)
LOU 51 – Leach Plant Transfer Lines (#51)
LOU 61 - Unit 5 Basement and Old Sodium Chlorate Plant Decommissioning (#61)
LOU 65a – Ebony Construction Sites (#65a)
LOU 65b – Buckles Construction Company (#65b)

Legend

Sampling Locations

- Phase A Sample Location (2006)
- Phase B Sample Location (2008-2009)
- Horizontal Delination Sample Location
- Proposed Confirmation Sample Location (Results may impact final excavation limit determination)
- Analytes Detected Above Comparison Criteria
- Analyte Not Detected Above Comparison Criteria (less than 10 ft bgs) Data Pending (Results may impact final excavation limit determination)
- Proposed Surface Dioxin Sample
- Site features (Buildings and Tanks)
- Remediation Zone Boundary
- Property Line
- Dioxin Concentration
- HCB Concentration

Coordinate Projection: Stateplane, Nevada East, NAD83, Feet
Base Aerial Photo: September, 2008

northgate environmental management, inc.
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REVISIONS: NO:	DESCRIPTION:	DATE:	BY:

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

RZ-B EXCAVATION AREAS AND NATURE AND EXTENT OF CONTAMINATION
RZ-B Excavation Plan
Tronox LLC
Henderson, Nevada

SCALE: 1 in = 100 ft
DATE: 08/19/10
PROJECT NUMBER: 2027.01 T90

FIGURE NUMBER: 1
SHEET NUMBER: 1