

TOXCO INC.

Toxco Material Management Center

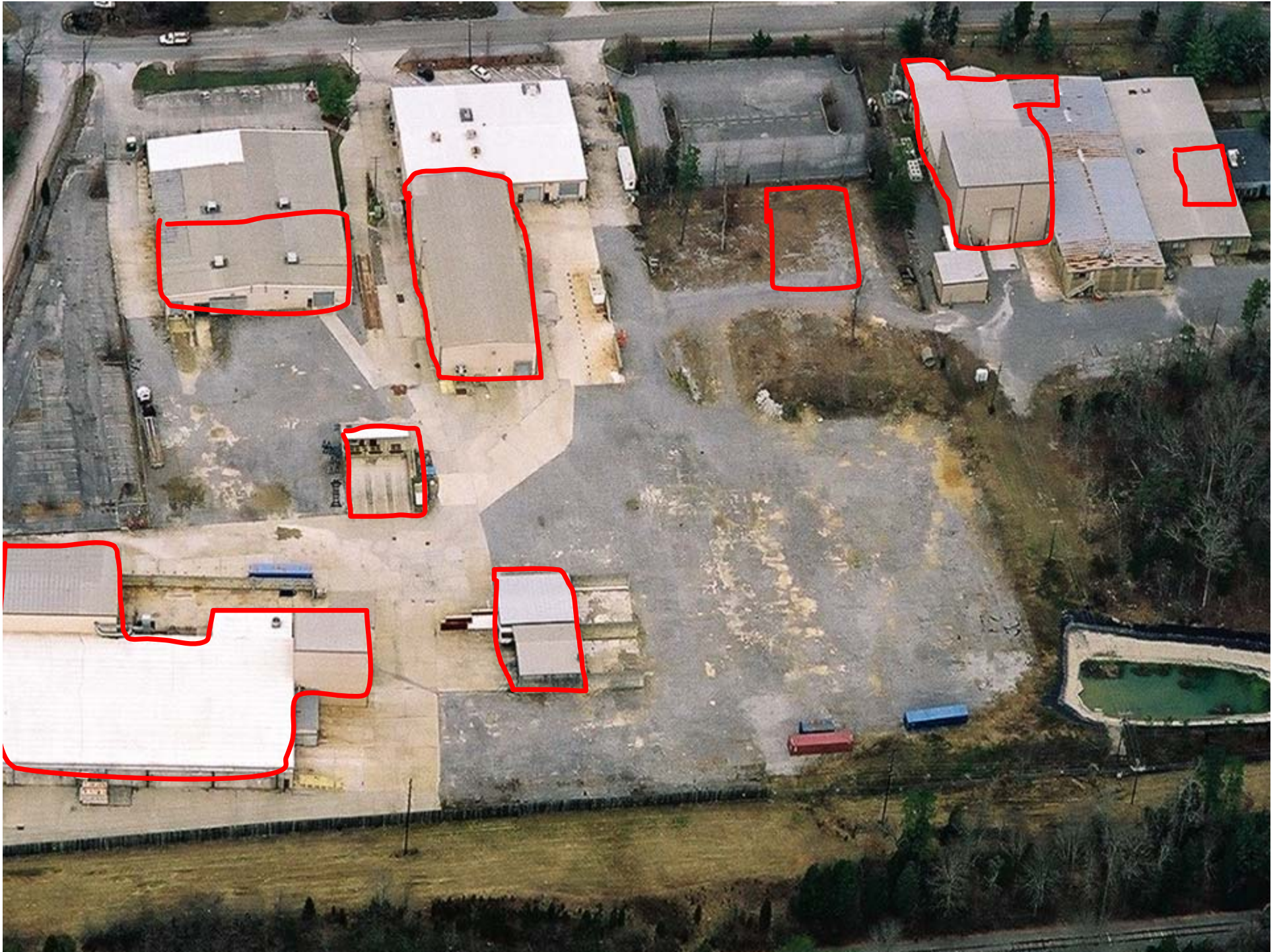
Located in Oak Ridge TN.

- 16 acres – fenced, and secure facility
 - Increased Controls
 - Motion Sensors
 - Video Cameras
 - LLEA Briefed on building access



Toxco Material Management Center

- ~65,000 ft of bonded space for radioactive processing and storage



Toxco Material Management Center

- EPA TSCA Identification
- Solid Waste Landfill Permit for disposal at sites in TN
- Air Permits - Various
- Owns CSX rail spur to site

Radioactive Materials License

- Amended in Entirety in 2006
- Expires on May 31, 2016
- Basic Limits
 - 200 Curies mixed activation and fission products
 - 1500 Curies Tritium
 - 50 Curies Carbon
 - 10 Curies Source Material

TMMC Operations

- Radioactive Material Operations
 - See TMMC Waste Acceptance Criteria at Toxcommc.com under shipping form.
 - Material characterization for cost effective disposition or recycle

TMMC Operations

- Radioactive Material Operations
 - Super Compaction
 - Capacity to compact over one hundred 55 gallon drums per day

Typical drum weighing 200 pounds
and six inches thick



TMMC Operations

- Radioactive Material Operations
 - Decontamination and Refurbishment of equipment for reuse
 - Storage and rental of contaminated equipment

TMMC Operations

- Radioactive Material Operations

Manufacture a line of lead shielded containers

TRU-Shield



TMMC Operations

- Radioactive Material Operations
 - Material Disposition
 - Unrestricted Release (20%)
 - Provenance Recycle & Reuse (10%)
 - Bulk Survey For Release (20%)
 - LLW Landfills (50%)

TMMC Operations

- Radioactive Material Operations
 - Material Disposition
 - Bulk Survey For Release
 - Landfill within 15 miles of our facility
 - 9,000,000 pounds per month limit
 - Isotope specific concentration limits
 - Typically 500 pCi/g for Mixed Fission Products
 - Conveyance and package dose rate limits

TMMC Operations

- *Radioactive Material Operations*

- *Material Disposition*

- *Bulk Survey For Release:*

- Based on resident farmer < 1mr/year, 30 years to 1000 years after closure
 - Short Lived isotopes controlled to limit contamination spread and airborne potential at the landfill

TMMC Operations

- Facility Operations
 - Rental of Buildings and Infrastructure for long term or on a job by job basis
 - 65,000 ft² Bonded space for storage
 - Water Treatment building with 100,000 gallon storage capacity
 - HEPA equipped spaces for equipment refurbishment

TMMC Operations

- Facility Operations

Use of TMMC infrastructure

- 45,000 lb capacity fork truck
- 65 ton indoor crane
- 5 excavators and/or bulldozers
- 40 different fork trucks, mobile cranes, genie booms, bobcats

Toxco Waste Philosophy

- Outstanding Service and Low Cost To The Customer
 - Recovery and recycle where ever possible
 - Unrestricted Release – Provenance reuse and recycle
 - Recycle of materials provides revenue to reduce customers project cost
 - Disposal in the appropriate facility
 - BSFR approved landfills
 - EnergySolutions
 - US Ecology

Toxco Inc.

- DOE Foreign Owned and Influence (FOCI) approval – DOE “Q” Security Clearance for personnel

National Security Capabilities

1. Approximately 25,000 ft² Secure Industrial Working Area
2. Bonded for Radioactive Materials

National Security Capabilities

1. DOE/NNSA – Approved Exclusion Area for “L” (C/RD & S/NSI) materials
2. Upgradeable to “Q” clearance based on projects and contracts

National Security Capabilities

1. DOD – Secure Area meets NISPOM and UL 681 and UL 2050 requirements
2. Other Agencies – secure facility may be compartmented and constructed/modified to meet DCID 6-9 requirements.

TOXCOMM.COM

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