

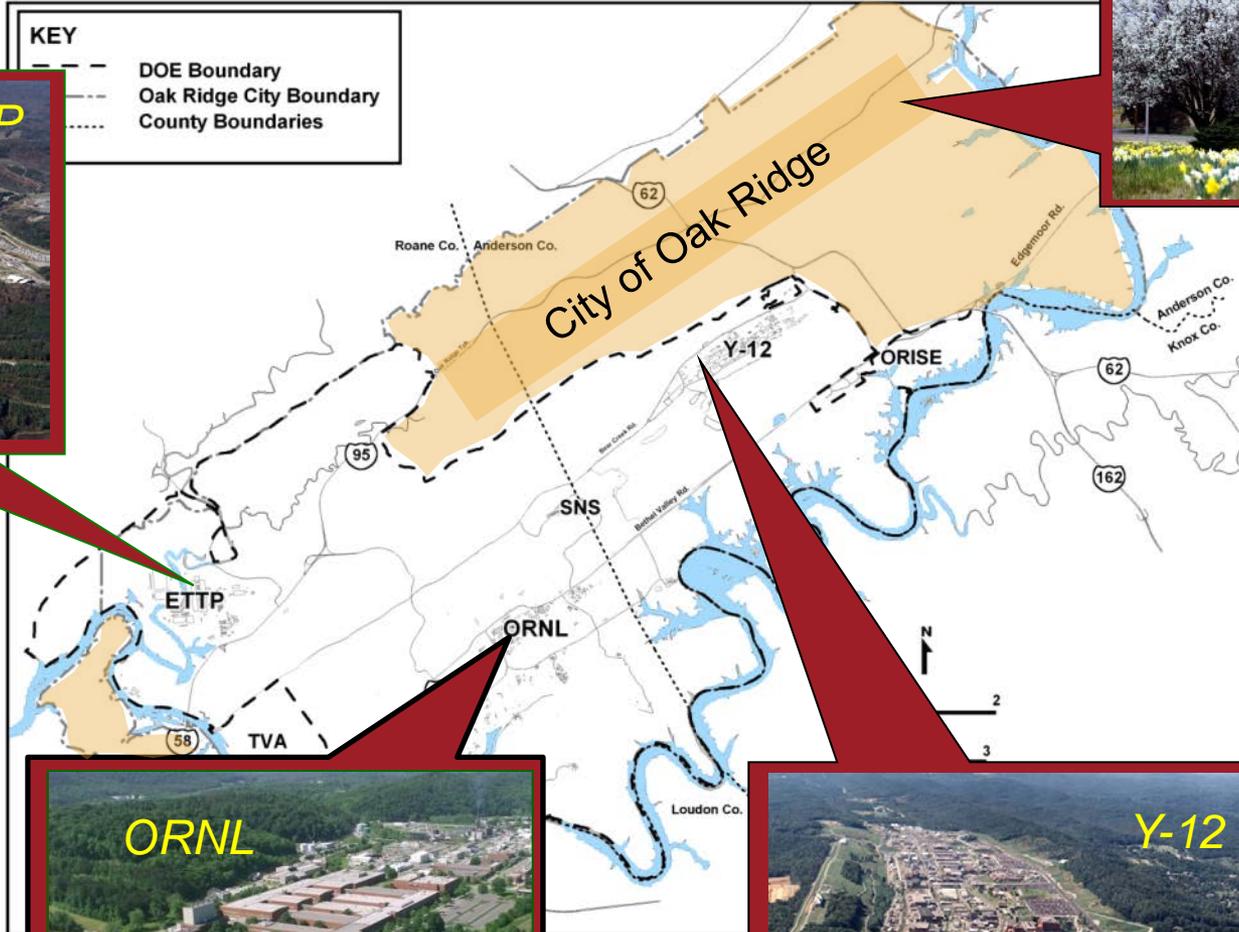
East Tennessee Technology Park “Reducing the Mortgage”

Jim Kopotic
DOE Federal Project Director

March 14, 2012



East Tennessee Technology Park is being cleaned up for Private Sector use



MOVING TO THE FUTURE BY CLEANING UP THE PAST

East Tennessee Technology Park Mortgage Reduction

- ETTP is an Environmental Management Site
 - No Operational Mission other than Environmental Cleanup and Reindustrialization
- Annual mortgage costs are approximately \$70M (security, surveillance and maintenance, and infrastructure)
- Completion of remedial actions and demolition of large buildings (>100 acre footprint) reduces EM mortgage costs
- End State is a commercial industrial park



Environmental Issues

- Large Old Buildings – radionuclides, PCBs, asbestos
 - Buildings pose a safety hazard to workers
- Burial Grounds – drummed wastes, cylinders, classified components and contaminated soil
- Soils/sediments – chemical wastes (organic and inorganic), radionuclides, PCBs
- Groundwater – Organic solvents & volatile organic compounds (TCE most prevalent)

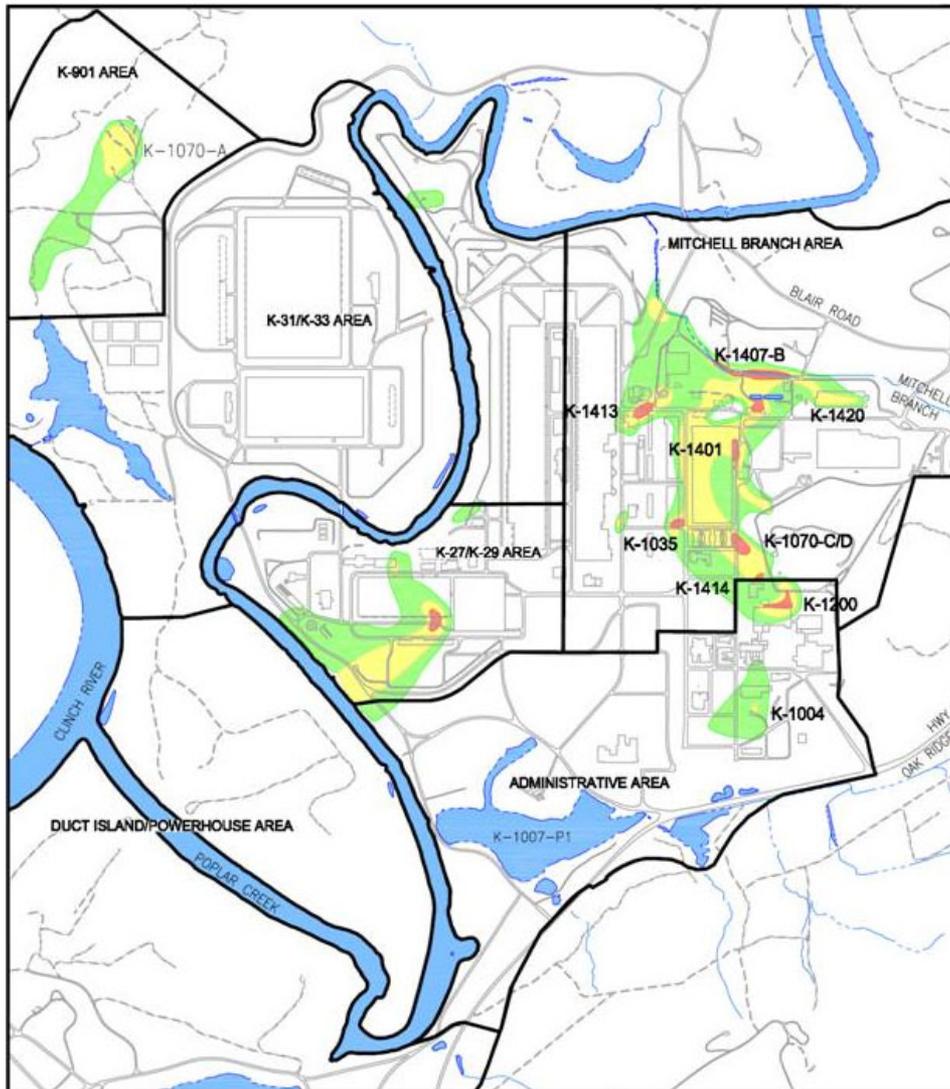


ETTP CERCLA Areas and RODS



- Interim RODs for Zone 1 & 2 approved
- Zone 1 actions complete
- Zone 2 soil actions to follow building D&D

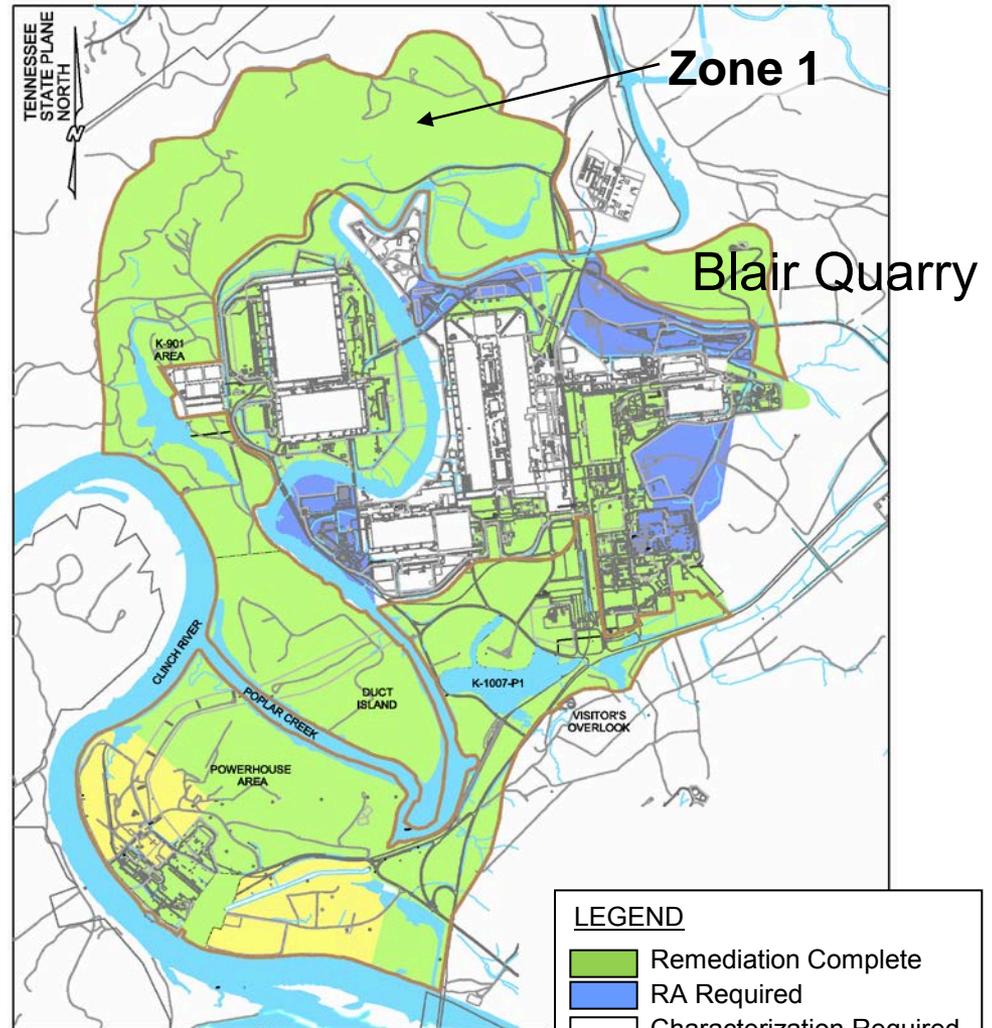
Groundwater



- Final GW ROD delayed till 2016
- Characterization complete
- Initiated GW Treatability Study

Soil and Sediment Actions

- Zone 1 Soil remediation complete
 - K-770 Scrap Yard
 - UF6 Cylinder Yard
 - K-1070-A Burial Ground
 - Blair Quarry
- Zone 2 soil remediation underway
 - G-Pit
 - K-1070-B Burial Ground



East Tennessee Technology Park



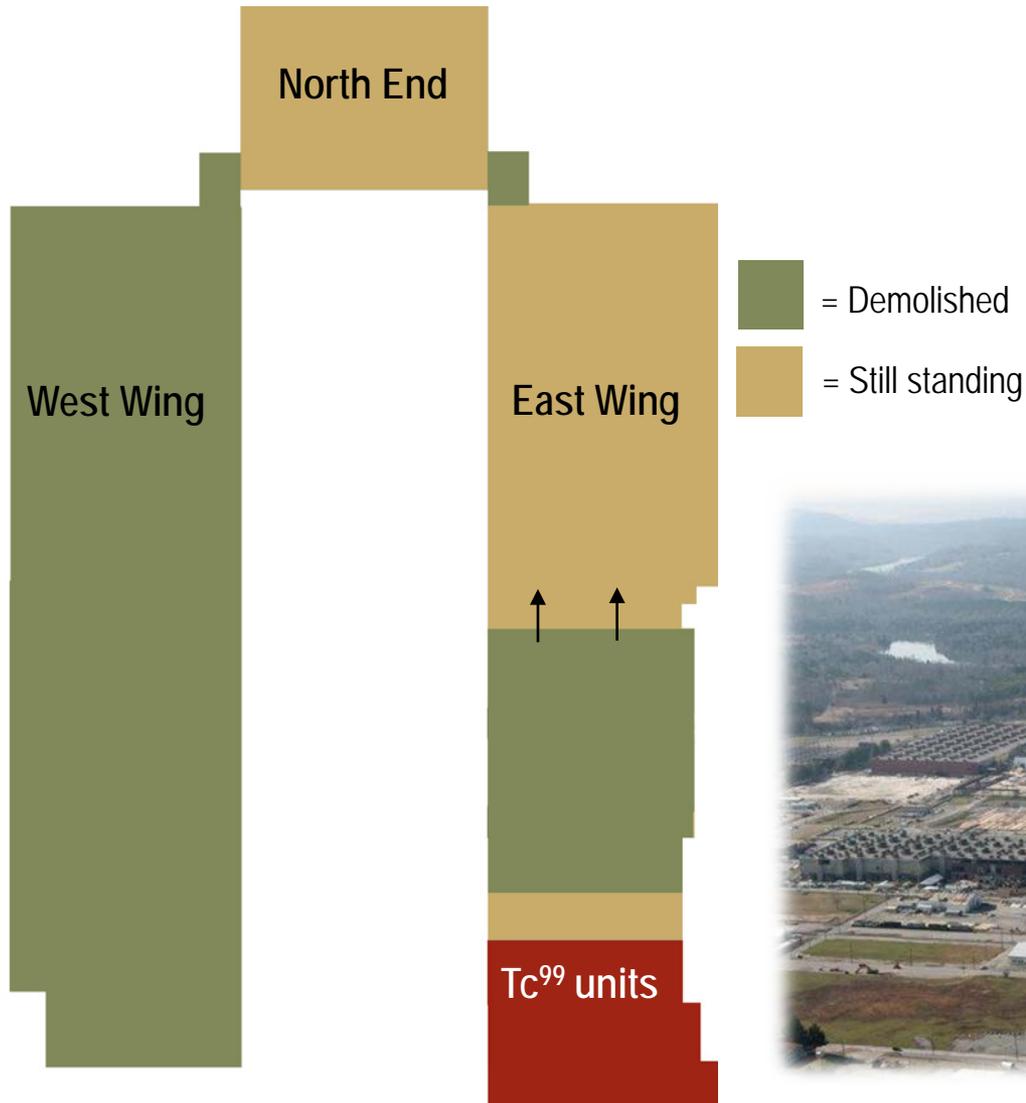
MOVING TO THE FUTURE BY CLEANING UP THE PAST

Building K-25 Demolition Overview

- Segment East Wing north of Tc99 Units
- Demo proceeds north on East Wing – 2012
- Clear out vaults and demo North End
- Characterize the Tc99 units
- Remove all high Tc99 equipment and piping
- Demo Tc99 units
- K-25 demo complete – 2014



Building K-25 Demolition Status



- West Wing and Bridges have been demolished
- Non-Tc⁹⁹ units in East Wing being demolished



East Wing Segmentation



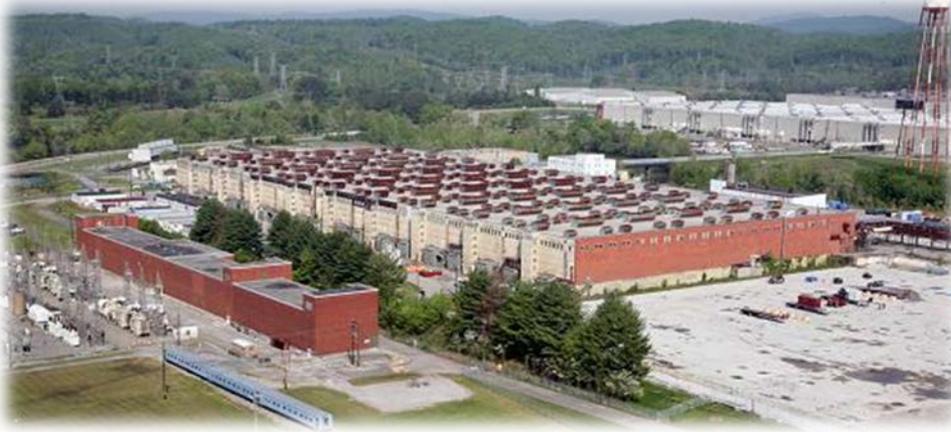
MOVING TO THE FUTURE BY CLEANING UP THE PAST

Removal of Components During Segmentation



Apply Experience and Lessons Learned from Demolition of K-25 Building to K-27

- Use established waste transportation prep and inspection areas from K-25
- Use experienced K-25 sampling crews
- Transition experienced work crews from K-25 to K-27



K-27 Building



Summary

- Demolished 246 facilities
 - Demolition of Building K-25 on schedule (70% complete)
 - Plan to move crews to Building K-27 as work is completed on Building K-25
- 2.2 million square feet of soil remediated
 - Zone 1 interim actions complete
 - All burial ground excavations complete
 - Zone 2 soil remediation cannot be completed until buildings are demolished
- Groundwater plumes are stable – Volatile organic compounds are the contaminant of concern

“What’s Left?”



East Tennessee Technology Park



EM End State – *Creating Reusable Property*



*Actively creating a
Vision for the Future*



MOVING TO THE FUTURE BY CLEANING UP THE PAST