



**Wendy Cain**

*Portfolio Federal Project Director*

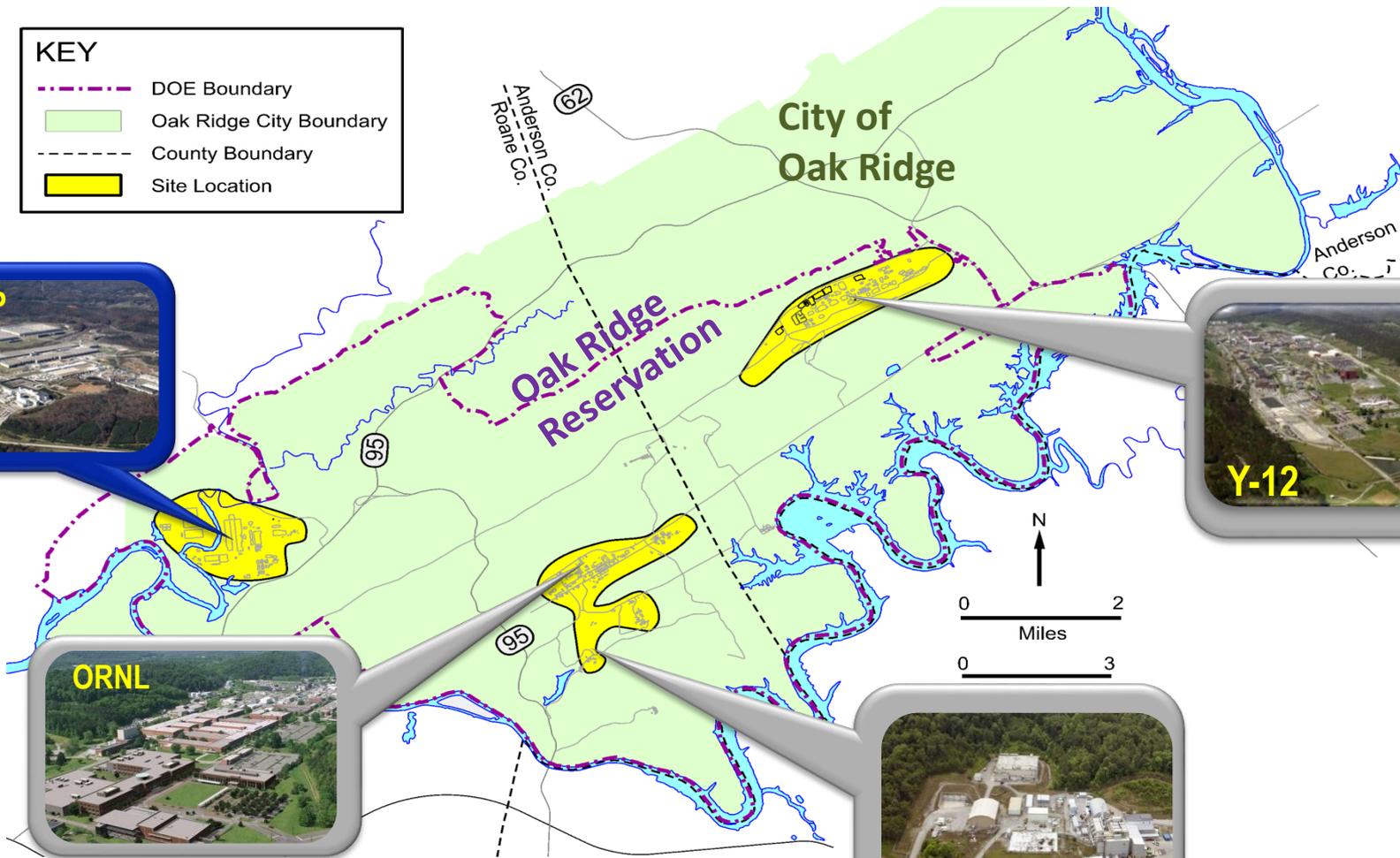
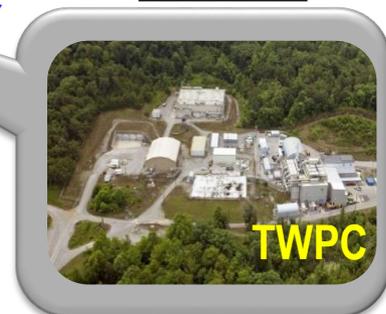
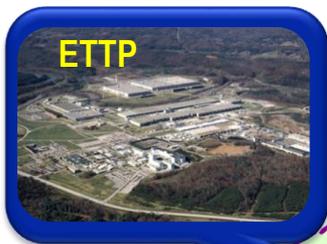
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**Roane Co. Environmental Review Board Meeting  
August 18, 2016**

# Oak Ridge Reservation Sites

**KEY**

- DOE Boundary
- Oak Ridge City Boundary
- - - County Boundary
- Site Location



# ETTP Site End State

## Achieving reuse as a Commercial Industrial Park



- Complete building demolition and waste disposal
- Complete land and groundwater remedial actions
- Make land available for industrial reuse
- Preserve the K-25 Building footprint and construct an Equipment Building, Viewing Tower and History Center

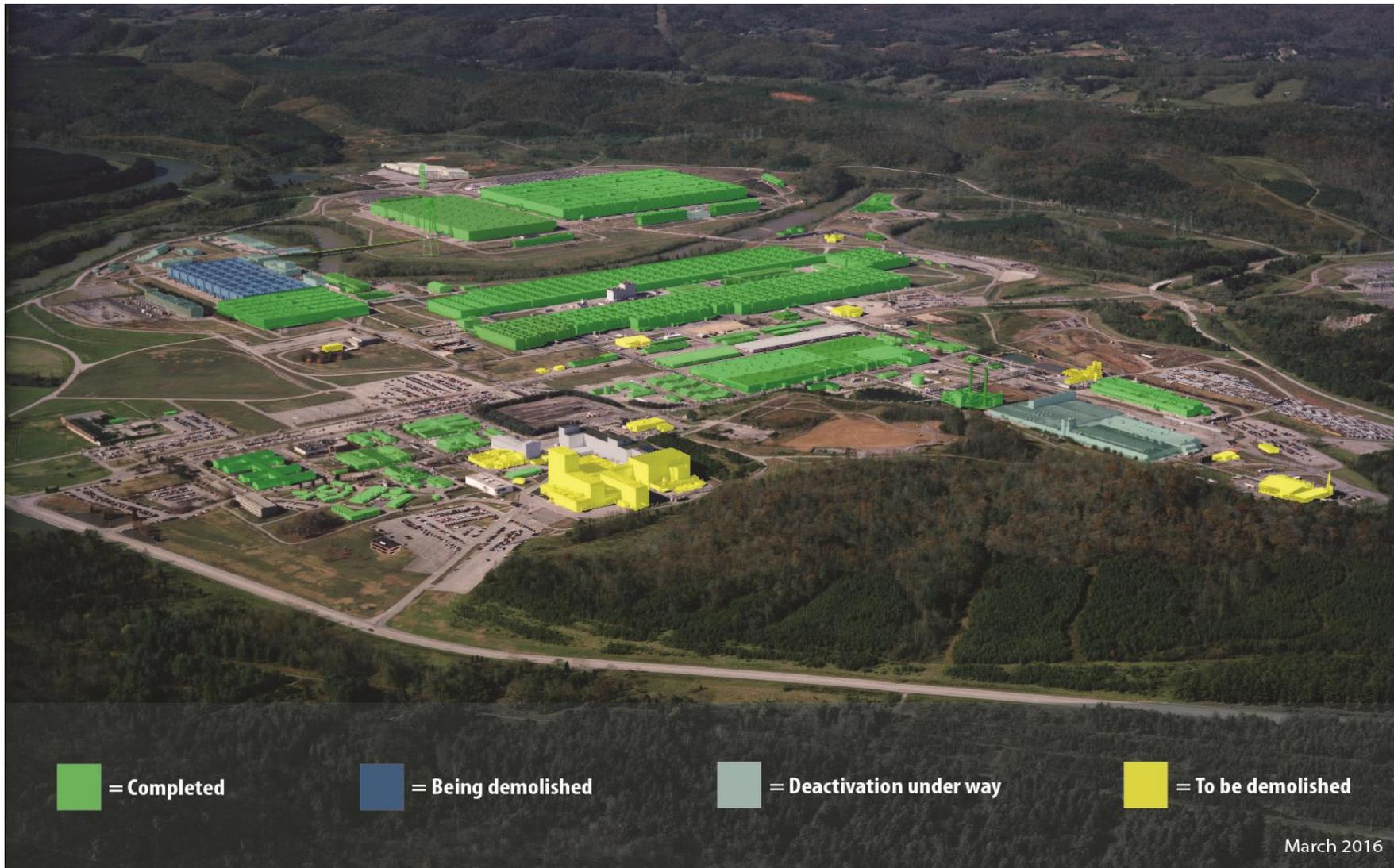
Vision 2016: Completion of Gaseous Diffusion Process (GDP) building demolition at ETTP

Vision 2020: Remaining portion of ETTP cleaned up and reindustrialized

Vision 2024: Expand cleanup work to Y-12 to address mercury contamination



# ETTP Current Cleanup Status



# Vision 2016: GDP Completion

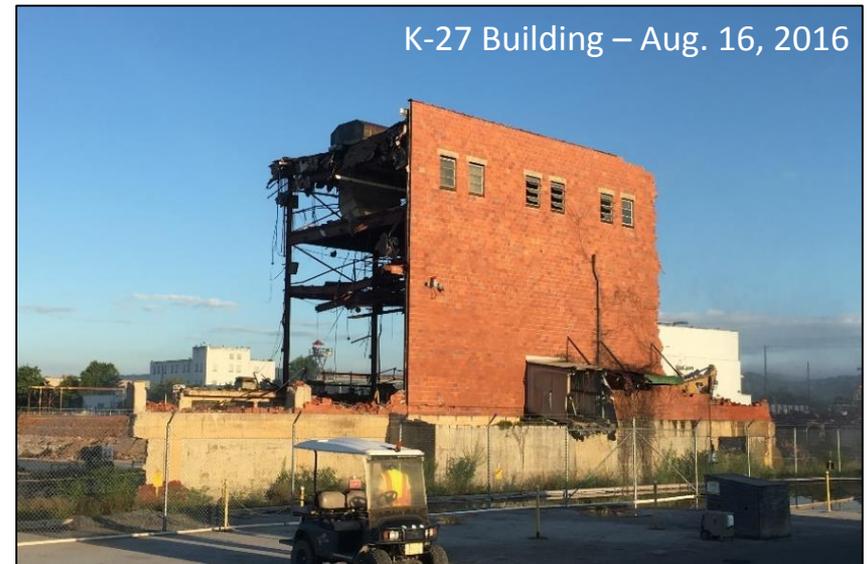
Vision 2016 enabled by:

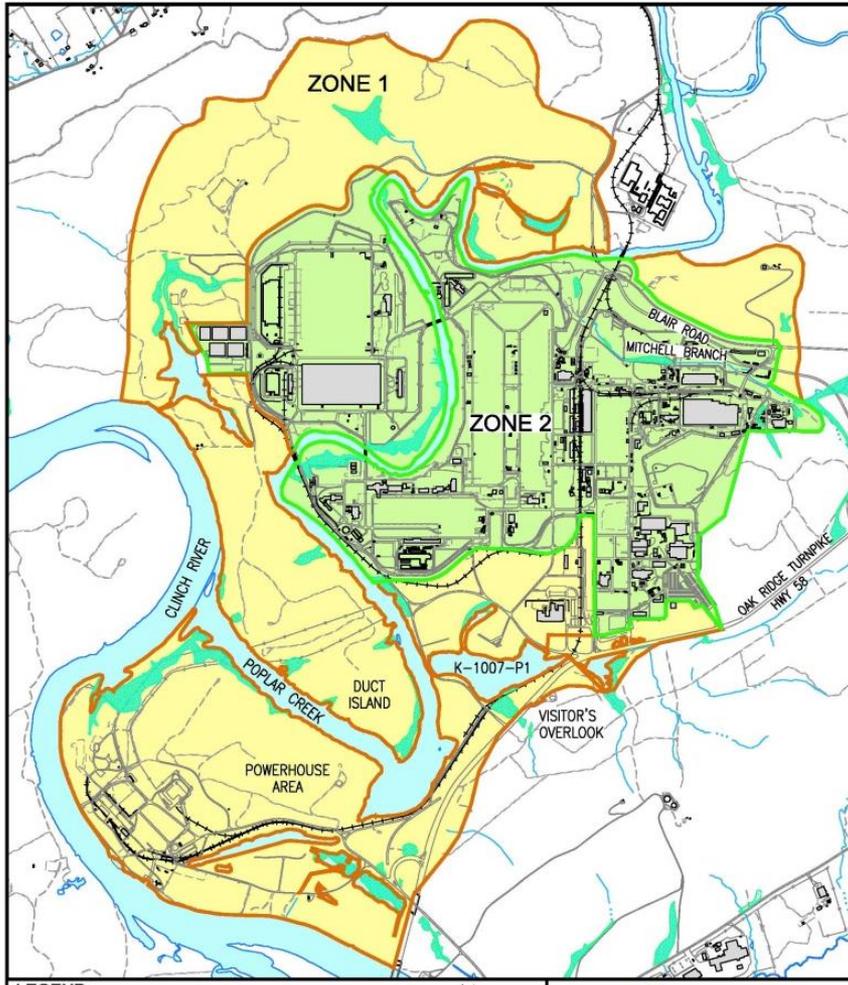
- Completing K-25 ahead of schedule
- Avoiding K-25 costs associated with later completion
- Having trained, efficient work crews available

Status:

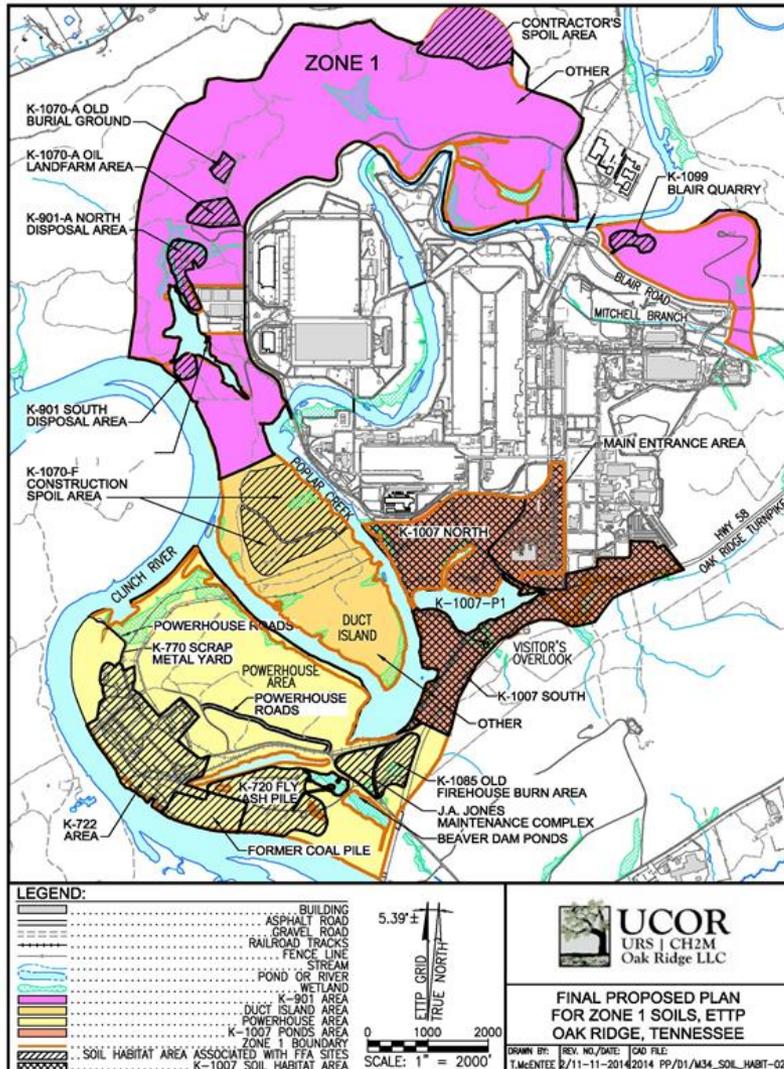
- K-29 Building demolition complete August 2006
- K-33 Building demolition complete September 2011
- K-25 Building demolition complete December 2013
- K-31 Building demolition complete June 2015
- K-27 Building demolition complete on August 30, 2016!

**Vision 2016 Accomplished!**





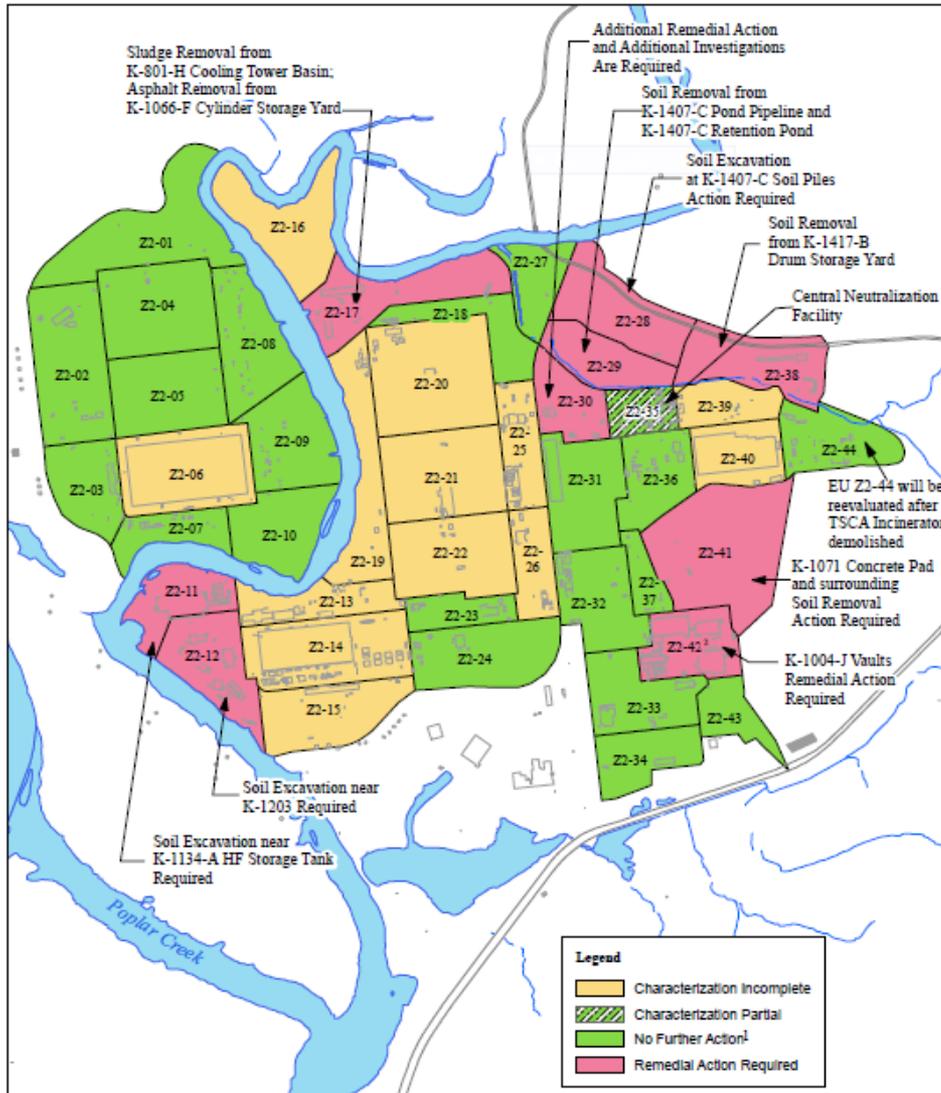
- ETPP was split into two areas to address soil remediation to protect humans
  - Zone 1 – 1,400 acres surrounding the industrial portion of the site.
  - Zone 2 – 800 acres in the main plant industrial areas.
- Zone 1 Interim Actions ROD (2002)
- Zone 2 ROD for Soils, Buried Waste and Subsurface Structures (2005)
- Zone 1 Final Soils ROD in process
- ETPP Sitewide ROD in future to address groundwater and surface water



D1 ROD issued to EPA and TDEC mid-June. Comments expected mid-September.

Based on approved Proposed Plan:

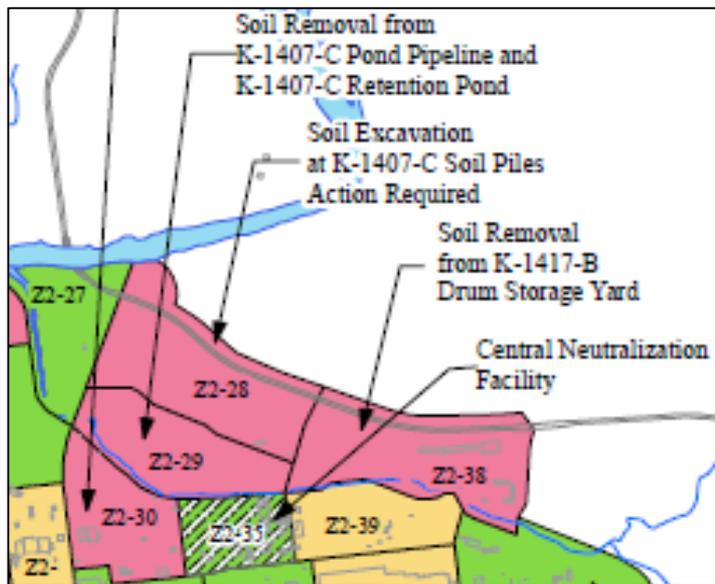
- Cover K-770 Area to prevent exposure to asbestos
- Remove small ecological risk areas to protect terrestrial wildlife; additional characterization
- Maintain covers at Contractors Spoil Area, K-720 Fly Ash Pile and K-770 Area
- Land Use Controls
  - Prevent residential use
  - Control use of waste management areas: Contractors Spoils Area and K-720 Fly Ash Pile
  - Control access below 10 ft (below 2 ft in Duct Bank Corridor and K-770 Area)
  - Groundwater use restrictions



- Green – No Further Action (NFA)
  - A NFA decision means that an EU is available for unrestricted industrial use to a depth of 10 feet.
- Yellow – Characterization Incomplete
- Red – Remedial Action Required

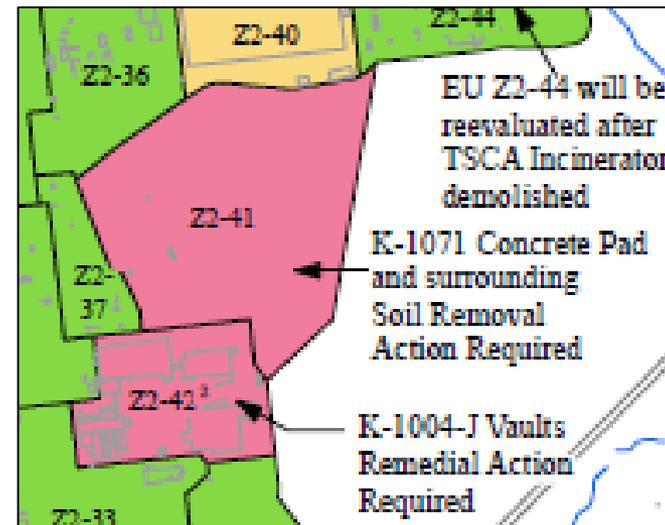
## EU-28 Remedial Action

Soil excavation at K-1407-C Pond Pipeline and K-1407-C Soil Piles



## EU-41 Remedial Action

K-1071 Concrete Pad and Surrounding Soil

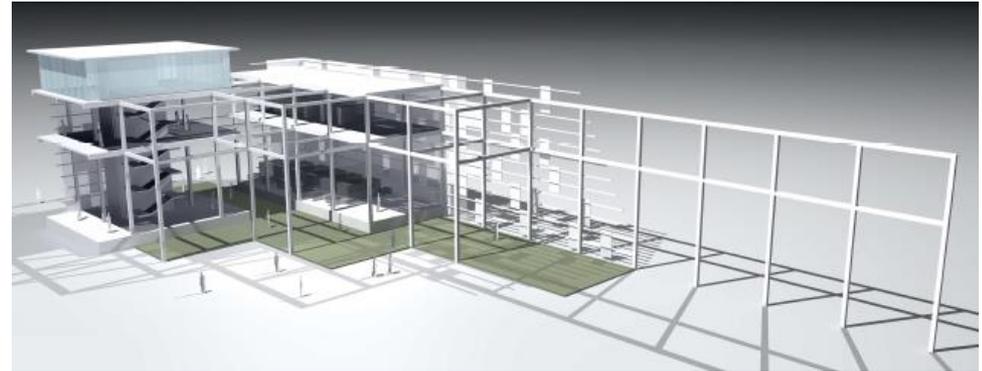


## Department identified K-25 Building as a Manhattan Project Signature Facility

- National Historic Preservation Act requirement for MOAs to mitigate adverse effects to historic properties
- 10 Consulting Parties
- First MOA in 2005, current in 2012
- Commitments are independent of Manhattan Project National Historical Park

## K-25 Site Elements

- History Center
- Equipment Building
- Viewing Tower
- Wayside Exhibits
- Delineation of K-25 Footprint
- Virtual Museum



Artist's Rendering of conceptual design for Equipment Building



Transform ETTP into a private sector industrial park promoting economic growth, while integrating with the natural ecosystem and preserving the rich history of the area.

- 720 acres of land transferred to date
  - Over 1000 acres in the transfer process
- 13 buildings transferred, many more leased

ETTP Site Closure planning underway in support of Vision 2020

- Site infrastructure, roads and services have been or will be transferred to City of Oak Ridge
- Future briefing to RCERB when more details come into place

