

Accelerated Gaseous Diffusion Plant Cleanup Approaches



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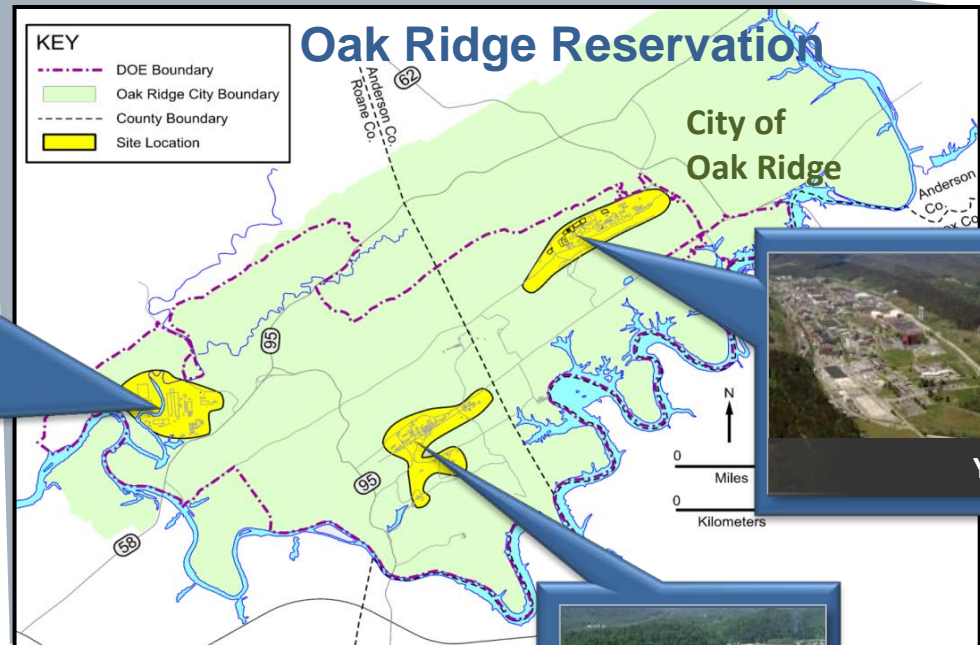
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Accelerated GDP Cleanup Approaches

- **D&D Approach – strategic planning & execution**
- **Workforce Utilization – maintaining productivity**
- **Contract Management – conduit to success**



Oak Ridge, Tennessee



Oak Ridge Environmental Management

Mission: Complete the cleanup of the Oak Ridge Reservation to:

- Protect the region's health and environment
- Make clean land available for future use
- Ensure Department of Energy's ongoing vital missions



Vision: Oak Ridge Reservation is Remediated, Modernized, and Reindustrialized

How We Achieve Our Mission:

Maintain Safety

Identify Efficiencies

Invest Savings

Utilize Experienced Workforce

Balance Risks

Employ Innovation

Challenge Approaches

Utilize New Technologies



Oak Ridge Strategy

Establish near-term priorities that allow for a continuing focus on long-term goals

- **Complete cleanup of ETTP and continue with Reindustrialization of the site**
- Disposition U-233 and reduce ORNL security posture
- Continue TRU processing and store waste until WIPP reopens
- Prepare now for future cleanup at Y-12 and ORNL
 - ✓ Plan for new onsite disposal cell
 - ✓ Design/build/operate Mercury Treatment Facility
 - ✓ Complete design of facility to treat TRU sludge



East Tennessee Technology Park

- Gaseous diffusion facility built in the early 1940s as part of the Manhattan Project
- Enriched uranium for defense and commercial purposes
- Operations at the site shut down in 1984
- Now a cleanup site transitioning to a private-sector industrial park



GDP Cleanup Success

Sequencing of work is determined based on balancing risk, funding availability, and workforce considerations

Demolition

Accomplishments/Plans (CY):

- K-29 – 2006
- K-33 – 2011
- K-25 – 2014
- K-31 – 2015
- K-27 – 2017
- Poplar Creek – 2017
- K-1037 – 2018
- K-1200 – 2019
- Balance of Facilities – 2020



The Future of Cleanup in Oak Ridge

Vision 2016

Completion of all 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



Partnering for Success

- Recognize the importance of partnering and be willing to do the work
- Successful partnering means all parties achieve “win-win” scenarios
- Accomplishments are celebrated with all members of organization



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Future of Oak Ridge Reservation

- Complete cleanup of ETTP and continue to reindustrialize to help diversify the local economy
- Make land at Y-12 and ORNL free of legacy materials to support continued modernization
- Commemorate the historical significance of Oak Ridge in our national history

