



U.S. DEPARTMENT *of* ENERGY

Office of Environmental Management

ORNL'S TRANSFORMATION ENABLED THROUGH CLEANUP

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Mike Griswold, *Project Manager*
Oak Ridge Office of Environmental Management

June 10, 2026



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Our cleanup at ORNL is meaningful and impactful for the site's future



Our projects are transforming ORNL's central campus

- We are enhancing safety by removing aging, contaminated facilities and inventories of legacy waste
- Our progress is providing critical space for ORNL to support its ongoing research missions



There are challenges when planning and conducting projects at ORNL



- Conducting cleanup at an active DOE site requires integration between missions
- Ensuring worker safety in radiological areas
- ORNL has higher technical difficulty and planning requirements
- Outdated drawings and lack of information creates unknowns and changed conditions

Despite these challenges, we've made significant progress

- Completed demolitions:
 - Tritium Target Facility (2021)
 - Building 3026 West Cell Bank (2021)
 - Bulk Shielding Reactor (2022)
 - Low Intensity Test Reactor (2023)
 - Building 3003 (2025)
- Major prep for demolition underway:
 - Graphite Reactor support facilities
 - Isotope Row facilities (planned demo for FY26-27) except Building 3029
 - Oak Ridge Research Reactor
 - 3026 Hot Cells



Progress in the heart of ORNL – two reactors removed; demo preparations underway in 13 buildings

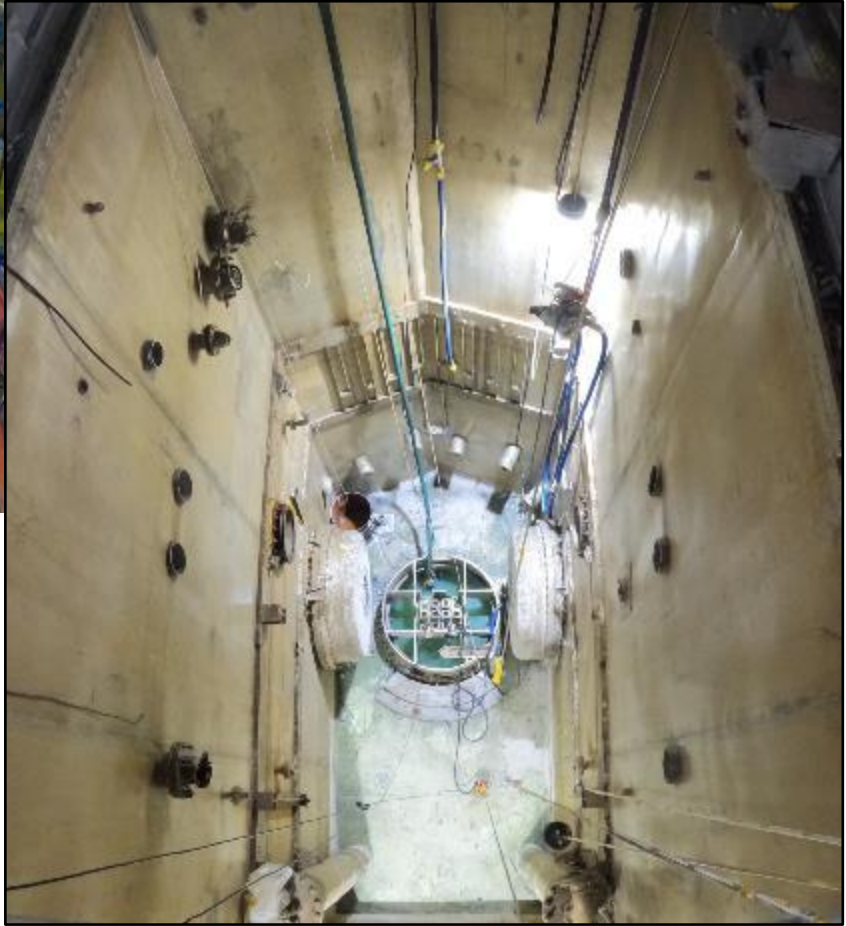
2022



Today



Crews are busy preparing the adjacent Oak Ridge Research Reactor for demolition



Crews are also preparing Isotope Row and 3038 Facilities for demolition



**BROKK Used in 3026
Deactivation**

**Isotope Row – Next Major
Planned Demolition**



**Storage Carousel in
3038**

Other ORNL Missions

- Transuranic Waste Processing Center:
 - Processing continues for contact-handled waste
 - Processed over 7 cubic meters of cellulosic and over 6 cubic meters of oxide waste in the last year
 - Planning continues for remote-handled waste processing
- U-233 Operations
 - Processing continues and is on schedule
 - Working on analytical lab to accelerate schedule



Analytical Lab in 2026

QUESTIONS?



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EXCESS FACILITIES RISK REDUCTION ACTIVITIES AT Y-12

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Morgan Carden, *Acting Y-12 Portfolio Federal Project Director*

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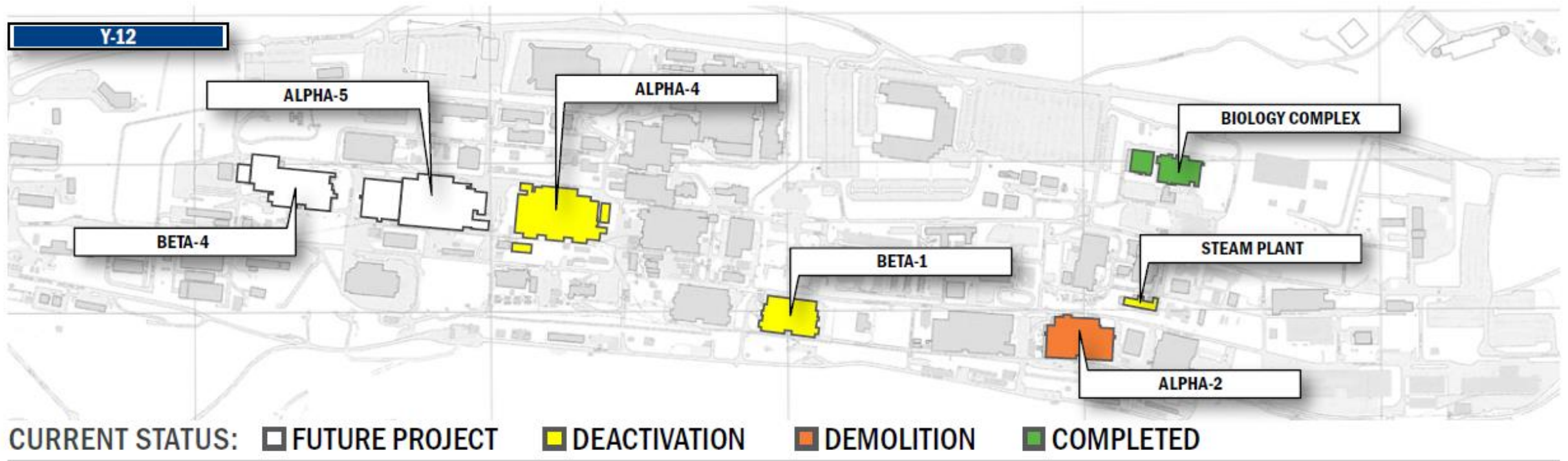
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Significant cleanup is required at Y-12

- 60% of NNSA buildings are more than 40 years old
- Many are high-risk facilities that pose risks and challenges to ongoing national security missions
- Our projects are eliminating risks and opening land to support ongoing missions



Major cleanup is now underway at Y-12



Crews have completed multiple demolition projects



Biology Complex:
Demolished February 2022

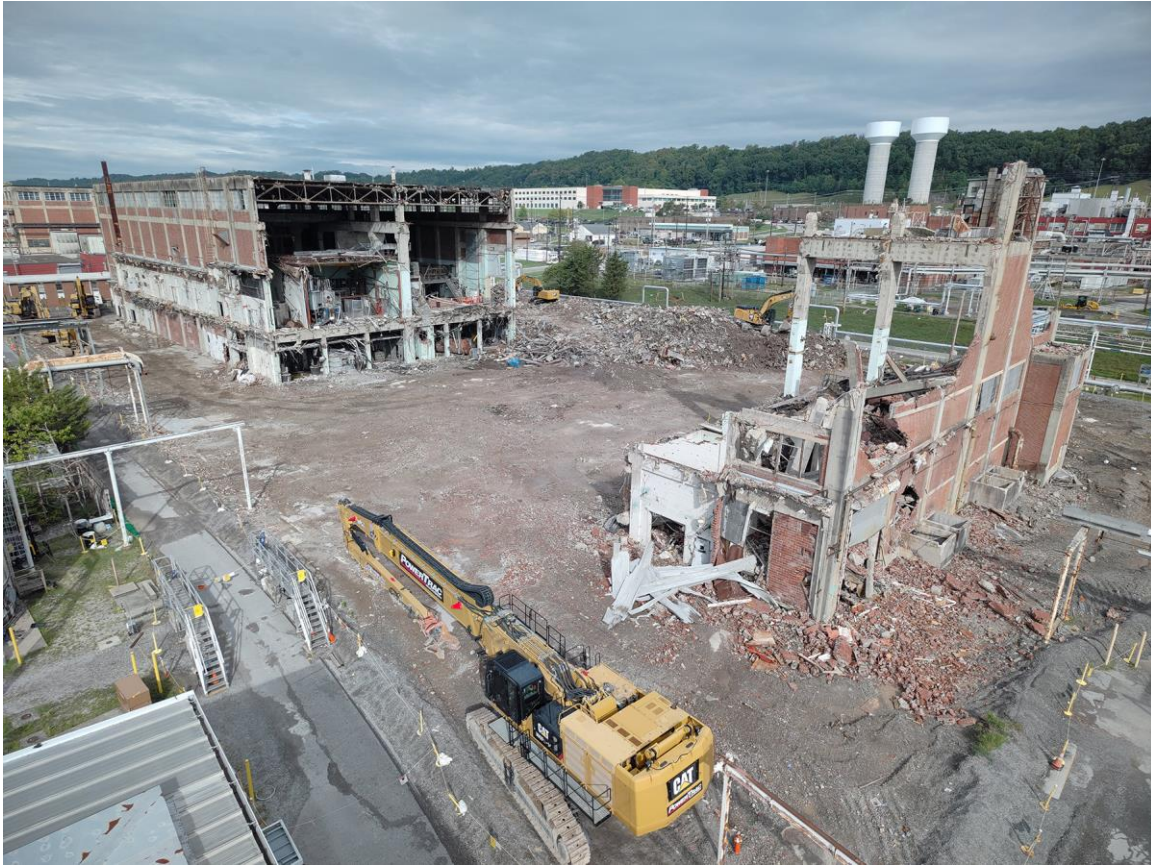


Building 9213 – Criticality Experimental Laboratory:
Demolished December 2022

Major demolition of Alpha-2 is completing, which is our largest project yet at Y-12



Crews have completed demolition of the Alpha-2 facility; final waste disposal activities continue



Active Demolition Activities



Demolition Complete

Beta-1 (Building 9204-1)

- Constructed: 1944
- Use: Initially used for electromagnetic separation of uranium, but later used for research and development (R&D) by ORNL
- Last operational: 1995
- Current condition: Deteriorated high-risk facility ready for demolition



Large Coil Test Facility



North Side of Beta-1 Facility

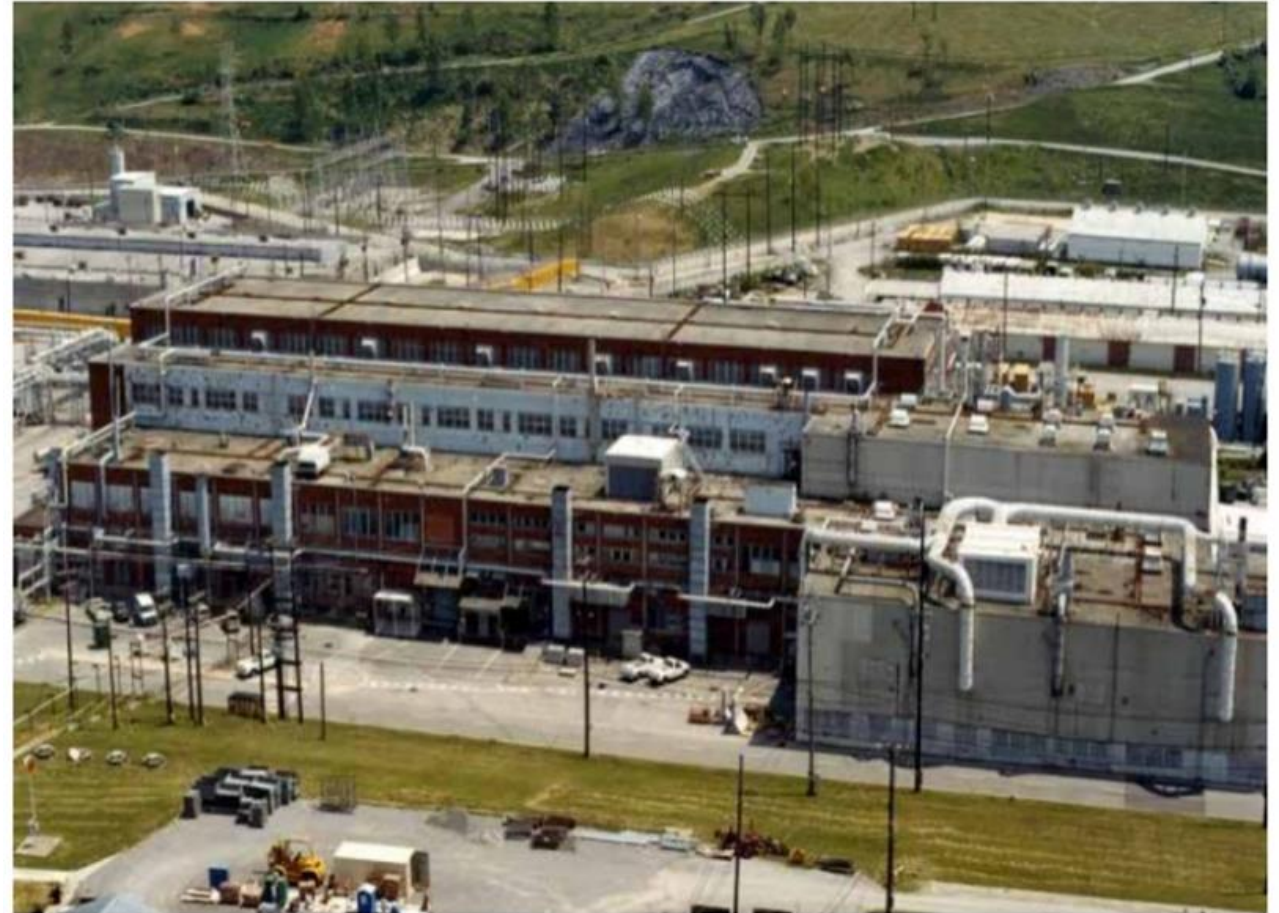
Old Steam Plant (Building 9401-1)



- Constructed: 1943
- Use: Initially used as a steam plant but exceeded in 1945; it was later used for various missions by Y-12 and ORNL
- Current condition: Deteriorated lower-risk facility anticipated to be prepared for demolition by the end of 2026

Beta-4 (Building 9204-4)

- Constructed: 1944
- Use: Initially used for uranium enrichment, but later it was used for lithium separation and weapons development support
- Last operational: 2008
- Current condition: Deteriorated high-risk facility undergoing early stages of deactivation



Alpha-4 (Building 9201-4)

- Constructed: 1945
- Use: Initially used for uranium enrichment, but later it used massive amounts of mercury for lithium separation and weapons development
- Last operational: 1993
- Current condition: Deteriorated high-risk facility with extensive mercury contamination; sanitization and deactivation activities are ongoing



QUESTIONS?



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