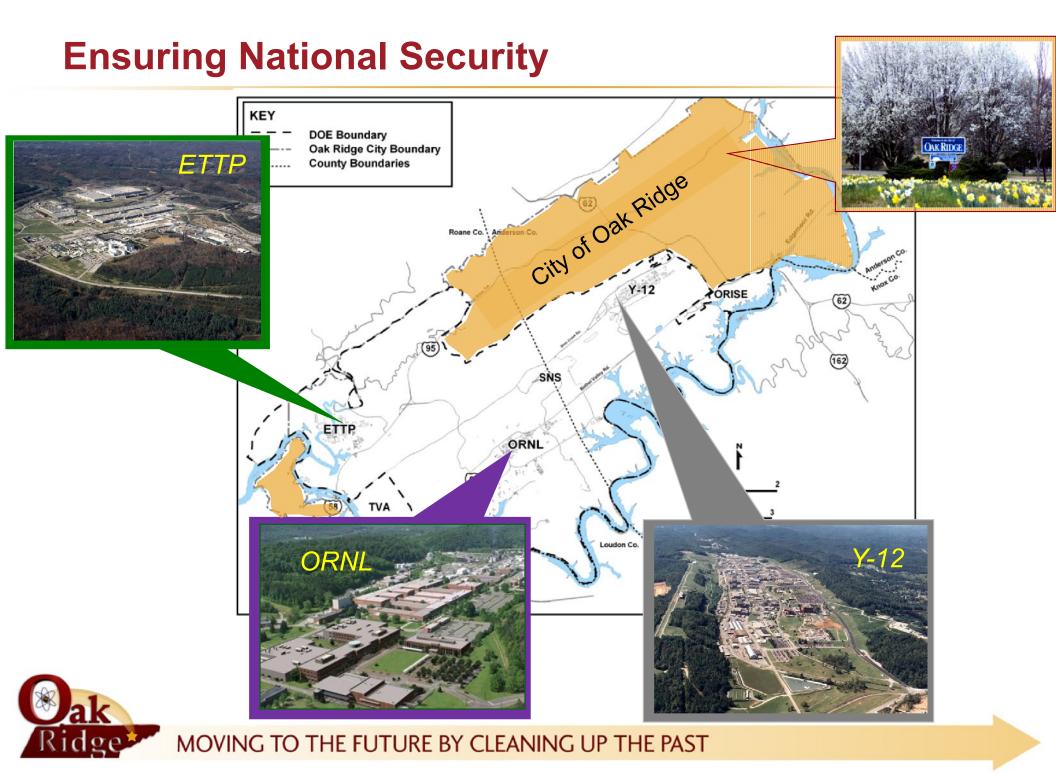
Y-12 National Security Complex Making the World Safer

Eva F. Irwin
Senior Director, Office of the President
Y-12

February 28, 2012





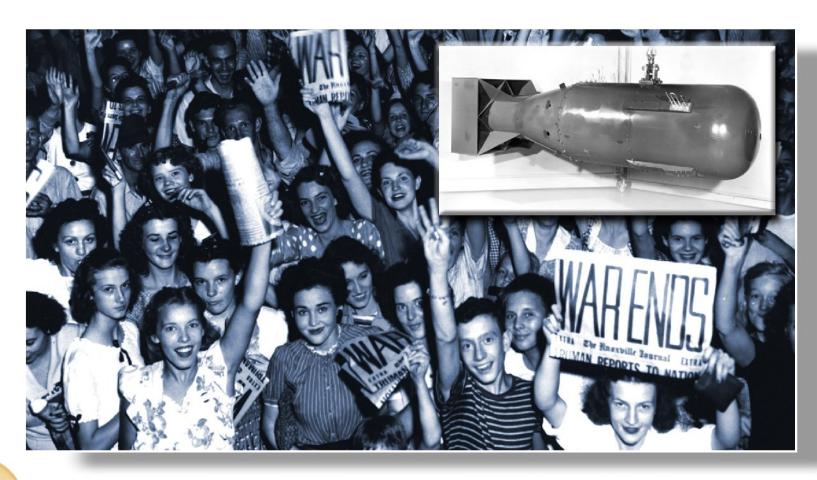
National Security Enterprise





Y-12's History of Uranium Expertise

- Created in 1943 as part of the Manhattan Project
- Provided the enriched uranium for "Little Boy," the atomic bomb used to end WWII



Y-12's Missions

- Sustain a safe, secure and effective nuclear arsenal
- Supply the U.S. nuclear Navy
- Reduce the global threat of nuclear proliferation and terrorism







Sustain a Safe, Secure and Effective Nuclear Arsenal

- Chemical processing
- Casting
- Rolling and forming
- Machining
- Component manufacturing
- Testing, evaluation and quality assurance
- Disassembly, dismantlement and disposition
- Packing and storage









Supply the U.S. Nuclear Navy



Reduce the Global Nuclear Threat

- Convert and supply uranium for peaceful uses
- Secure and recover nuclear materials globally
- Detect uranium and the proliferation of weapons of mass destruction







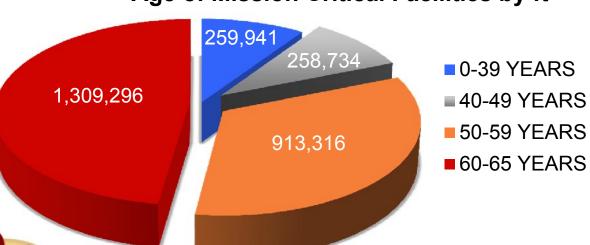


Y-12 Transformation—Why It's Important





Age of Mission Critical Facilities by ft²





ARRA Accelerates Cleanup for Transformation

- Reduced footprint by 150,000+ ft²
- Created more than 1,900 jobs
- Disposed of 79,311m³ of waste
- Worked 2 million hours with no lost work days
- \$15M in efficiencies led to add-on scope



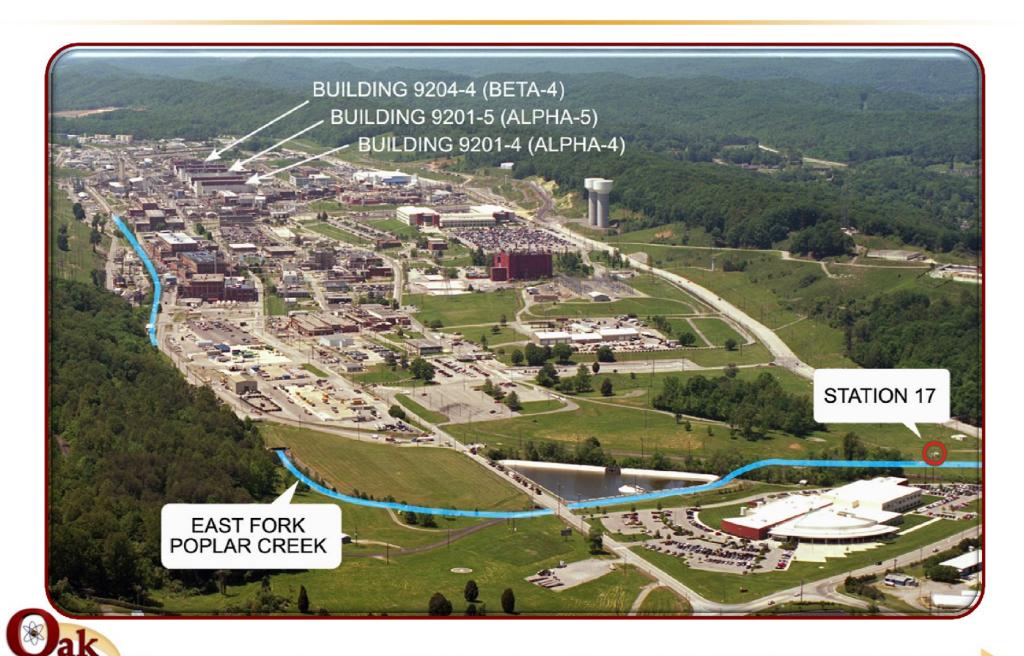


9211 demolition before and after

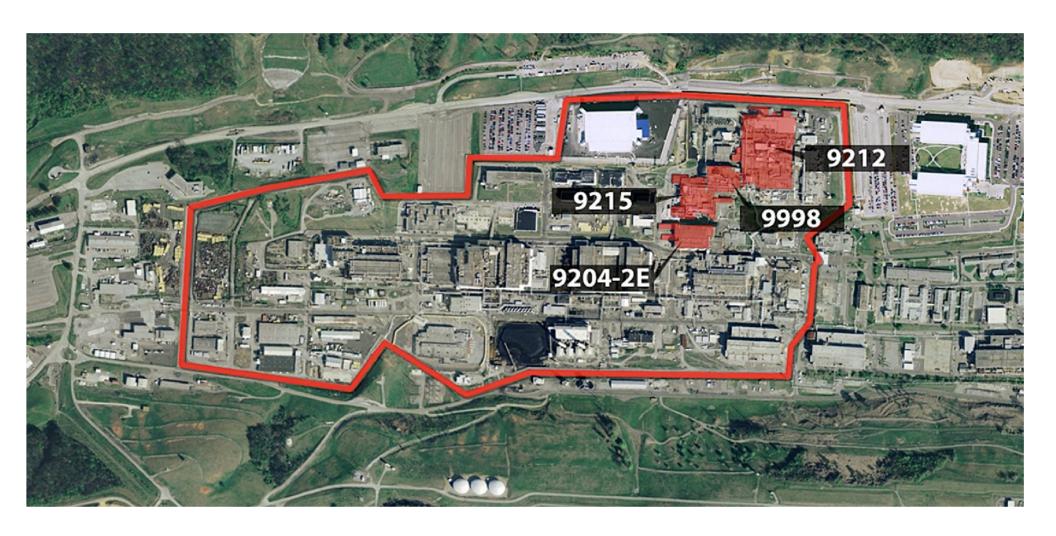


Old Salvage Yard West before and after

Significant Mercury Contamination Sources Remain

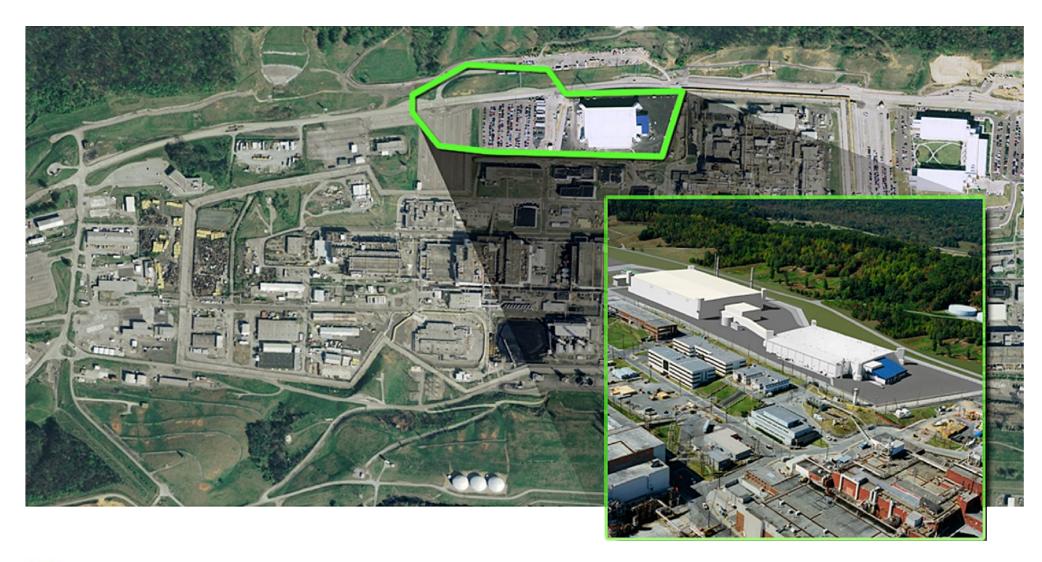


Current Protected Area





Future Protected Area





Transform the Site: Completed Facilities









New Hope Center

Jack Case Center

HEUMF & UPF—The Transformation Backbone





UPF Consolidates Operations







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