

IDAHO CLEANUP PROJECT

Looking Forward: The Next Phase of Cleanup at Idaho

Presented by
Ken Whitham, US DOE-ID and Erin Bognar, CH2M-WG Idaho

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CH2M+WG















SAFELY PLAN . MOTIVATE . DELIVER

Foundation for Success: Partnering

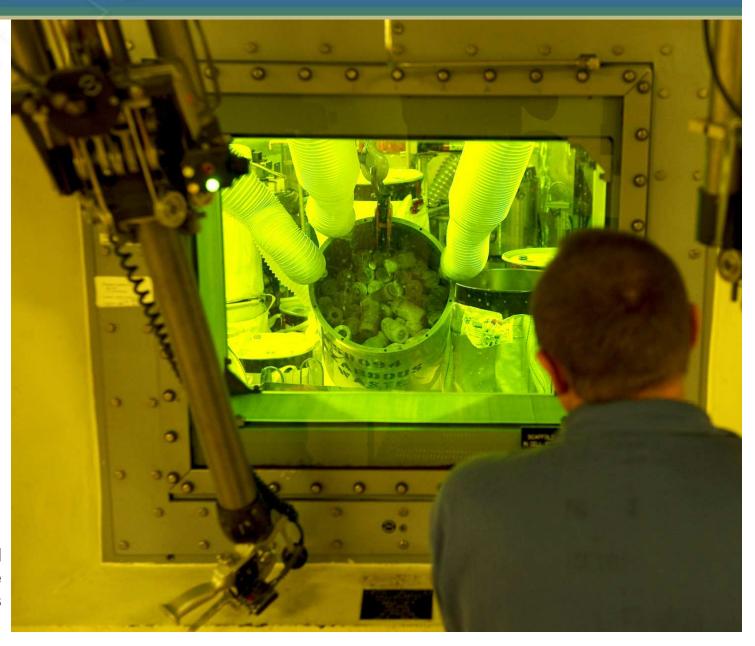




Near-term Cleanup Scope (ICP-II)



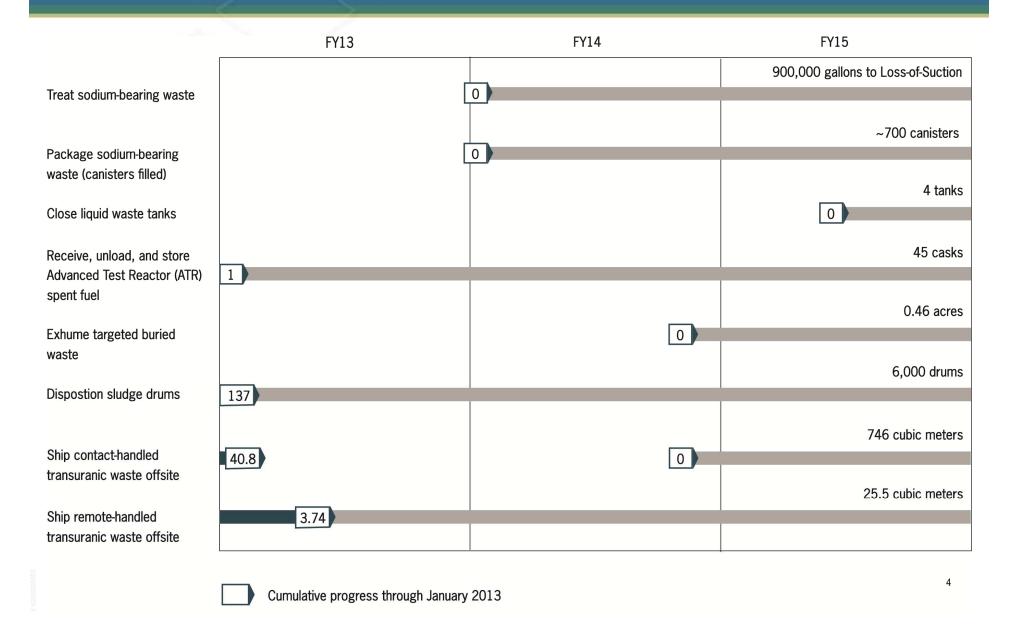
- Spent Nuclear Fuel
- Solid Waste Disposition
- Liquid Waste Disposition
- Soil and Groundwater Remediation



Remote-handled transuranic waste operations

ICP-II Scope Specifics





Sodium-bearing Waste



- Complete the recovery and startup of the Integrated Waste Treatment Unit (IWTU)
- Process approximately 900,000 gallons of SBW stored in underground stainless tanks
- Rinse tanks and process residual waste
- Clean and close four remaining 300,000 gallon tanks (RCRA)



Spent Nuclear Fuel Programs

- Maintain capabilities to receive foreign and domestic research fuels
- Receive and ship Training, Research Isotopes, General Atomics (TRIGA) fuel
- Receive and store Advanced Test Reactor fuel
- Relocate West Valley casks

Operator verifying tool meets hoisting and rigging requirements



Solid Waste Disposition



Transuranic waste programs

- Remote-handled
 - Store, repackage, characterize, treat and/or ship (746 m3)
- Contact-handled
 - Treat and dispose of 171 containers of uranium-233 waste
 - Treat and repackage 6,000 AMWTP sludge drums

Sludge drum repack operations



Soil and Groundwater Remediation



- Continue buried waste exhumation in pursuit of 5.69 acres (Idaho Settlement Agreement)
 - Exhume 0.46 acres (cumulative by ICP-II completion 3.57 acres)
 - Construct Accelerated Retrieval Project VIII retrieval facility



Idaho Cleanup Post 2015



- Complete buried waste exhumation (2.12 acres)
- Support Experimental Breeder Reactor II fuel transfers
- Complete RCRA closure tank farm facilities
- Design and construct calcine treatment facility
- Transfer remaining EM facilities to the Idaho National Lab for future use



Idaho National Laboratory







Nuclear Science & Technology



Supervisory Control and Data Acquisition (SCADA)

Industrial Cyber Security

Grid Reliability and Security

Wireless Communications

Nuclear Nonproliferation

Armor, Explosive **Blast Protection**

National and Homeland Security

A leader in critical infrastructure protection and homeland security



LWR Sustainability Program

Advanced Reactor R&D

ATR National Scientific User Facility

Space Nuclear

NGNP R&D



Clean Energy and Water

Energy Critical Materials



A leader in developing solutions to energy, resources and infrastructure challenges in the State, Region and Nation

