

EM Site-Specific Advisory Board Chairs' Webinar

David Huizenga

Senior Advisor for the
Office of Environmental Management

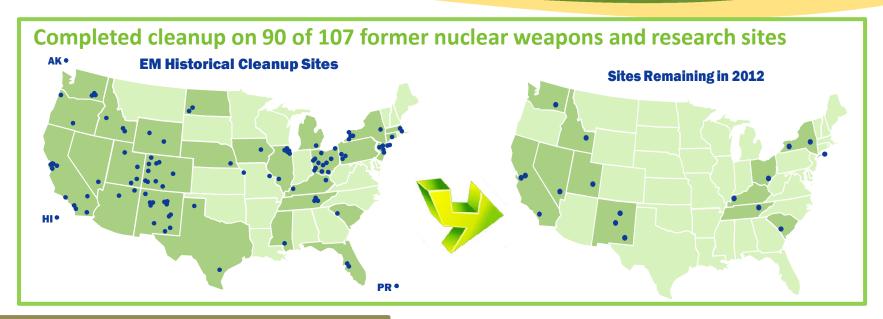
April 25, 2013

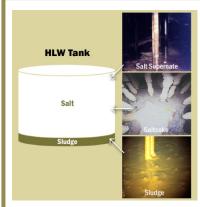
Environmental Cleanup—a Key DOE Strategic Goal

- EM's mission is to complete the safe cleanup of the environmental legacy brought about from five decades of nuclear weapons development and government-sponsored nuclear energy research.
- EM supports DOE Strategic Goal #3: "Enhance nuclear security through defense, nonproliferation, and environmental efforts."
- The budget positions the EM program to meet all its FY 2014 enforceable cleanup milestones.



EM Has Significantly Reduced Risks to the Environment and Public





Immobilized over 5 million gallons of radioactive liquid tank waste



Former plutonium storage vaults

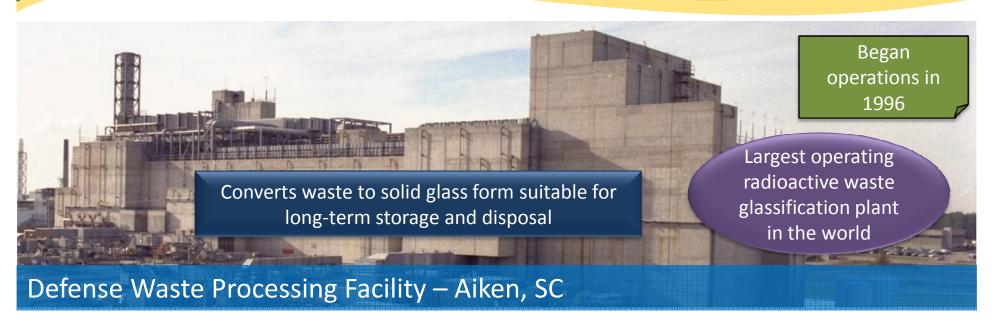
Packaged 100% of EM's plutonium inventories for storage and permanent disposition

Safety is EM's Top Priority



- EM conducts cleanup within a "Safety First" culture.
- ❖ Worker injury rates for EM cleanup work are significantly lower than averages in comparable industries and have decreased by about one third from FY 2009 to FY 2012.
- EM is training over 850 senior federal and contractor managers in Leadership for a Safety Conscious Work Environment.

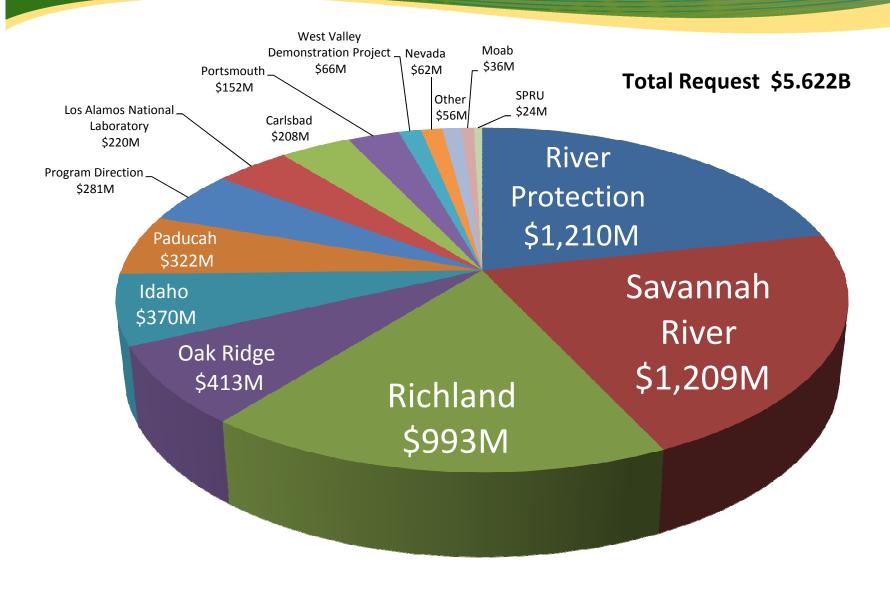
The Radioactive Liquid Waste Challenge: How EM is Making Progress Today







EM's FY 2014 Budget Request: Funding by Site



Radioactive Liquid Waste in FY 2014

FY 2014 Funding: \$1,933M (34% of EM Total)



Waste Treatment and Immobilization Plant – Richland, WA

Facility Decommissioning in FY 2014

FY 2014 Funding: \$1,095M (19% of EM Total)

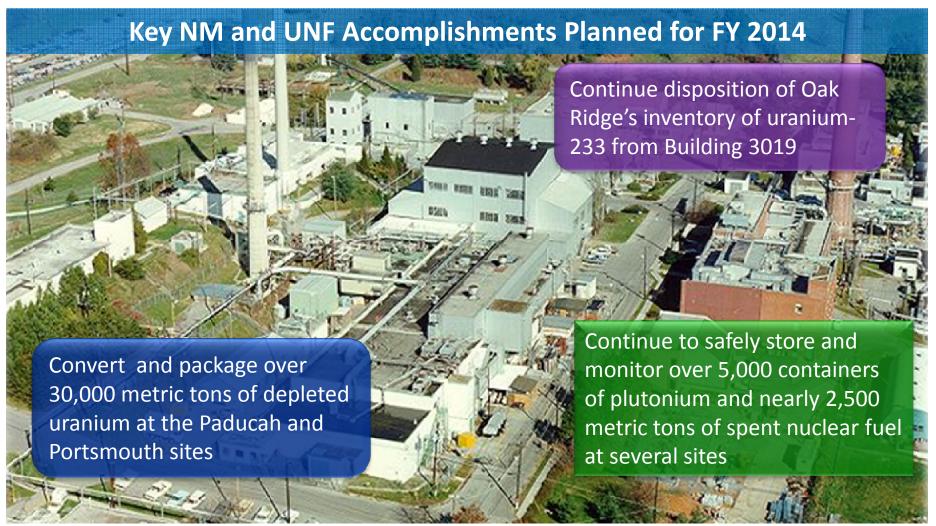
Key Facility Decommissioning Accomplishments Planned for FY 2014



K-25 Facility – Oak Ridge, TN

Nuclear Materials and Used Fuel in FY 2014

FY 2014 Funding: \$906M (16% of EM Total)



Building 3019 - Oak Ridge, TN

Transuranic Waste in FY 2014

FY 2014 Funding: \$804M (14% of EM Total)



Waste Isolation Pilot Plant – Carlsbad, NM

Soil and Groundwater in FY 2014

FY 2014 Funding: \$492M (9% of EM Total)

Key Soil and Groundwater Accomplishments Planned for FY 2014

Remediate nearly 125 distinct site areas with soil and/or groundwater contamination across the nation

With the completion of EM's soil and groundwater cleanup work at the SLAC National Accelerator Laboratory and Brookhaven National Laboratories, transfer site surveillance and maintenance activities to the DOE Office of Science

Continue remediation of Hanford's 618-10 Burial Ground, one of the site's most challenging and hazardous contamination sites

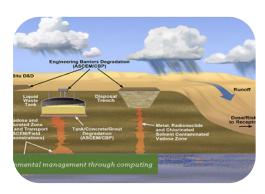
Material Disposal Area – Los Alamos, NM



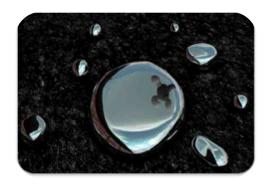
Technology Development in FY 14 and Beyond FY 2014 Funding: \$24M



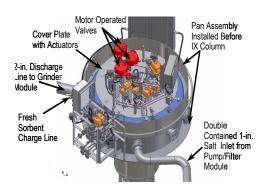
Maximizing waste loading in glass



Groundwater modeling



Mercury remediation



Separations technologies



Achieving Cleanup in a New National Environment

After 25 years of cleanup progress, the EM program's challenges have changed significantly. In response to this changing environment, EM must take the opportunity to strategically refocus our cleanup program, maximizing all of our resources to best serve the American people.

Key Challenges Facing EM

- ❖ Along with other federal programs, EM is facing an uncertain fiscal environment.
- Major technical challenges have emerged, particularly for large construction projects.

The Path Forward

- Partner with regulators, tribal nations and other stakeholders to align cleanup priorities and commitments with expected performance and funding levels.
- In close consultation with stakeholders, work to optimize existing waste disposal processes and systems.
- ❖ Improve project and contract management.
- ❖ Invest in targeted, applied technology development in areas where cleanup depends on the use of new technologies and where innovative technologies can reduce the risk and cost of cleanup.

EM SSAB Chairs' FY 2013 Focus

- Budget Priorities
- Identifying Community Expectations with Reduced Funding
- Broadening Community Participation in EM SSAB Membership, Meetings

