



U.S. DEPARTMENT OF  
**ENERGY**

OFFICE OF  
**ENVIRONMENTAL  
MANAGEMENT**

# EM Program Update

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**Monica Regalbuto**

*Assistant Secretary for Environmental Management*

**EMAB Meeting  
Aiken, SC • May 11, 2016**

- Waste Isolation Pilot Plant
- Plutonium Finishing Plant at Hanford
- Salt Waste Treatment Facility
- Savannah River Site Tank Closure
- K-27 Building at Oak Ridge





**EM's FY 2017 Budget Request - \$6.119 Billion Total**

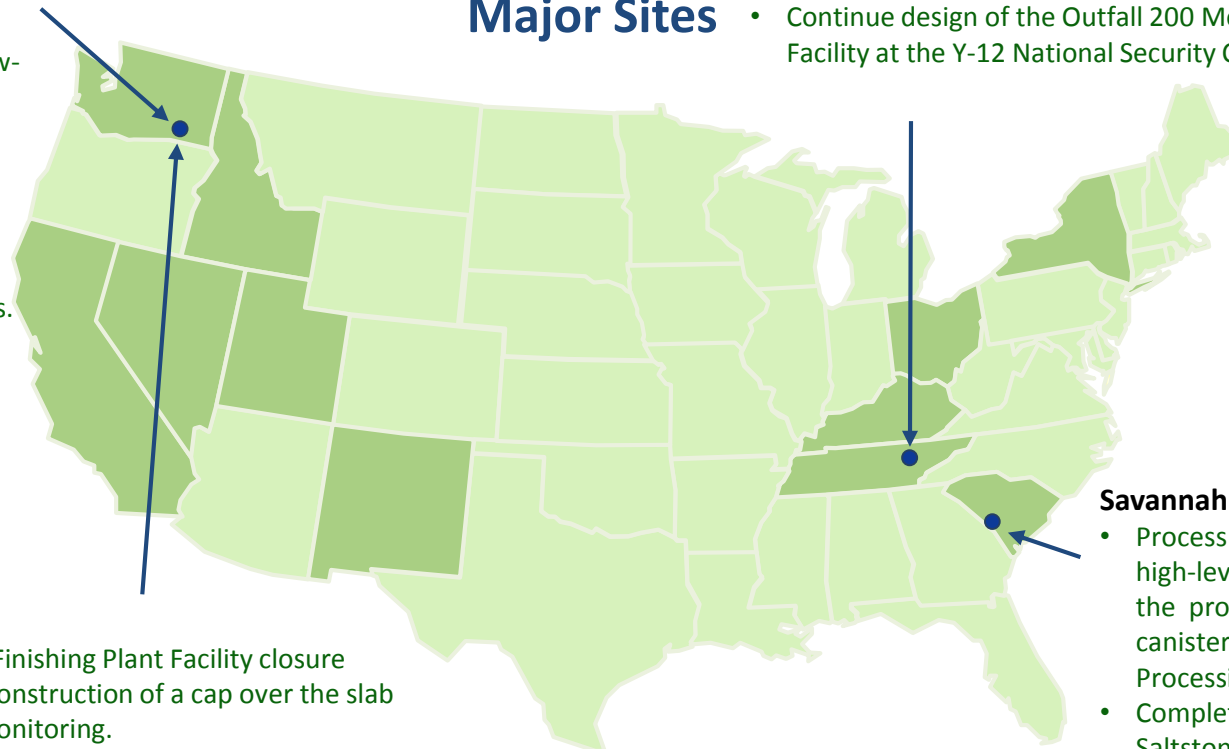
\* Includes Safeguards and Security

\*\* Includes Program Direction, Program Support, Mission Innovation and Technology, Post Closure Administration, Community and Regulatory Support, and \$104M of General Plant Projects and Maintenance & Repair Activities.

## River Protection (\$1,500M)

- Complete retrieval of AY-102 Double-Shell Tank.
- Continue retrieval of single Shell Tanks.
- Continue construction of Low-Activity Waste, Balance of Facilities, and analytical laboratory to support the startup for the Direct Feed Low Activity Waste by 2022.
- Continue implementation of tank vapor corrective actions.

## Major Sites



## Oak Ridge (\$391M)

- Complete demolition of the last Gaseous Diffusion Plant (K-27) at the East Tennessee Technology Park.
- Continue design of the Outfall 200 Mercury Treatment Facility at the Y-12 National Security Complex.

## Richland (\$800M)

- Complete Plutonium Finishing Plant Facility closure activities, to include construction of a cap over the slab and environmental monitoring.
- Begin project planning for dry storage options for the cesium and strontium capsules.
- Continue remediation of the 618-10 Vertical Pipe Units; and procurements to initiate remediation of waste in 300 Area beneath Building 324.

## Savannah River (\$1,448M)

- Process 1.7 million gallons of high-level tank waste resulting the production of 100 - 110 canisters at Defense Waste Processing Facility.
- Complete construction of Saltstone Disposal Unit 6.
- Support planned construction, commissioning, and start-up activities for Salt Waste Processing Facility.
- Support receipt, storage, and processing of research reactor spent nuclear fuel.

## Major Sites

### Idaho (\$370M)

- Continue treatment of liquid sodium bearing waste at the Integrated Waste Treatment Unit.
- Complete exhumation of targeted buried waste at the Accelerated Retrieval Project VIII facility.

### Nevada (\$62M)

- Underground Test Area well development, testing and sampling
- Hydrologic and geologic data analysis and modeling
- Post-closure monitoring for closed soils and industrial-type sites
- Closure of 9 soil sites
- Initiation of closure activities of 2 contaminated soils sites

### Los Alamos (\$189M)

- Address the treatment of nitrate salt bearing wastes.
- Complete the investigation of hexavalent chromium contamination of the groundwater beneath Mortandad and Sandia Canyons including field and bench-scale testing and plume control interim measures.

### Portsmouth (\$323M)

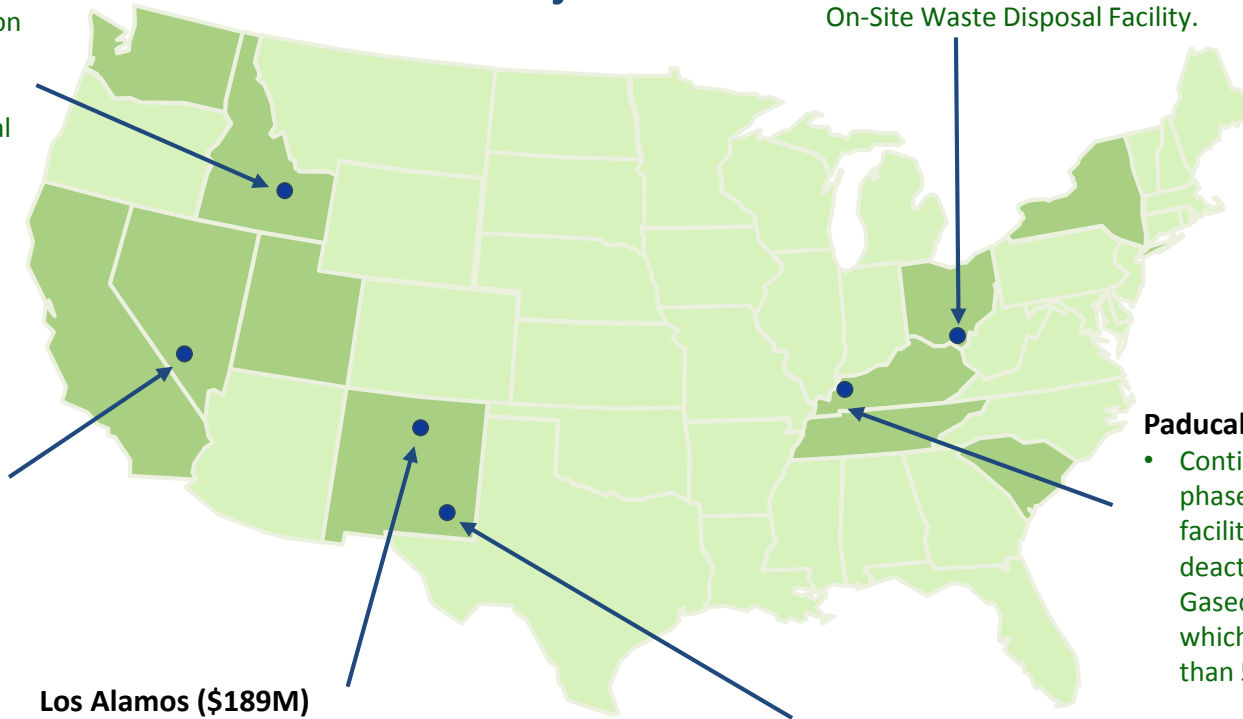
- Complete deactivation of a process building (X-326) in preparation for demolition.
- Complete Phase I Infrastructure activities for the On-Site Waste Disposal Facility.

### Paducah (\$272M)

- Continue the demolition phase of the inactive site facilities and the deactivation of the Gaseous Diffusion Plant, which consists of more than 500 facilities.

### Carlsbad (\$271M)

- Initiate waste emplacement operations.
- Permanent ventilation system.
- National TRU Program.



# EM OF TOMORROW

# Reinvigorating Technology

- FY17 Budget Doubles Investment in Technology Development
- EM Rebalancing TDD Program to Make Cleanup, Safer, Cheaper, More Efficient
- Savannah River National Lab Providing Unique Experience Across EM Sites
- In November 2015, EM joined National Robotics Initiative



# Workforce of Tomorrow



***ATTRACT...TRAIN...RETAIN***