

*DOE Environmental Management Program  
Overview - Integration of DOE-managed Spent  
Nuclear Fuel and High-Level Waste*

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- ❖ The mission of the Department of Energy's (DOE) Office of Environmental Management (EM) is to complete the safe cleanup of the environment from decades of nuclear weapons development and government-sponsored nuclear energy research.
- ❖ EM supports DOE's Strategic Plan to position the Department to meet the challenges of the 21st century and the nation's Manhattan Project and Cold War legacy responsibilities.





# Funding by EM Mission Area



**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 GPP and Maintenance & Repair Activities.

# Radioactive Tank Waste: Making Progress in FY 2017



Construction activities for the Low Activity Waste Facility, Analytical Laboratory, and Balance of Facilities to support the startup for the Direct Feed Low Activity Waste by 2022 at the Waste Treatment and Immobilization Plant at the Hanford Site in Washington State.



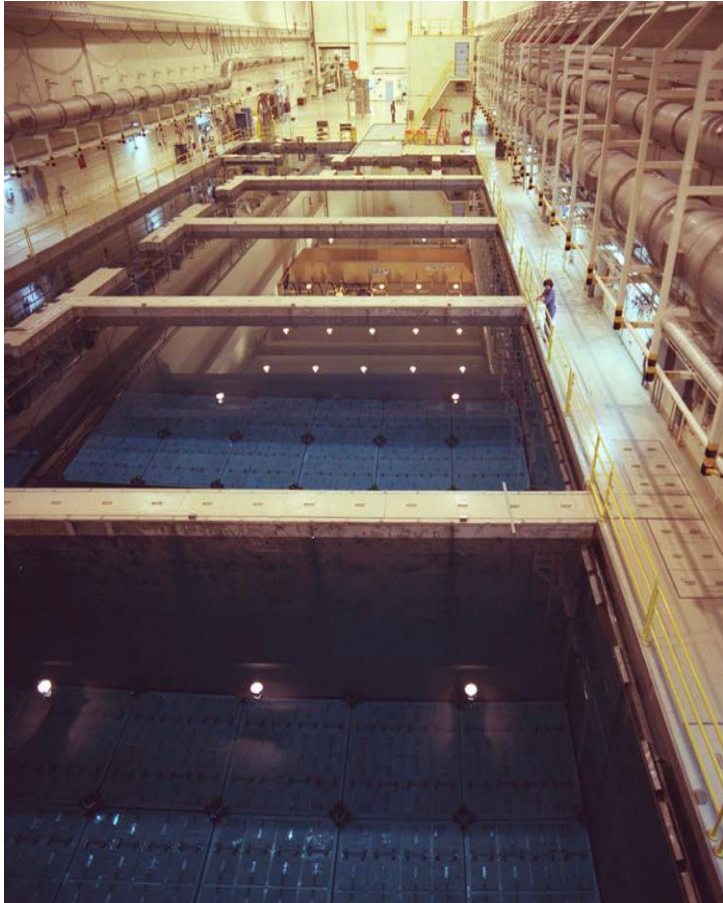
Complete construction, ramp up startup testing and commissioning of the Salt Waste Processing Facility in South Carolina.



Process 1.7 million gallons of high-level tank waste resulting the production of 100 - 110 canisters at Defense Waste Processing Facility, at the Savannah River Site in South Carolina.



# Spent Nuclear Fuel Management (Safe and Secure Storage)



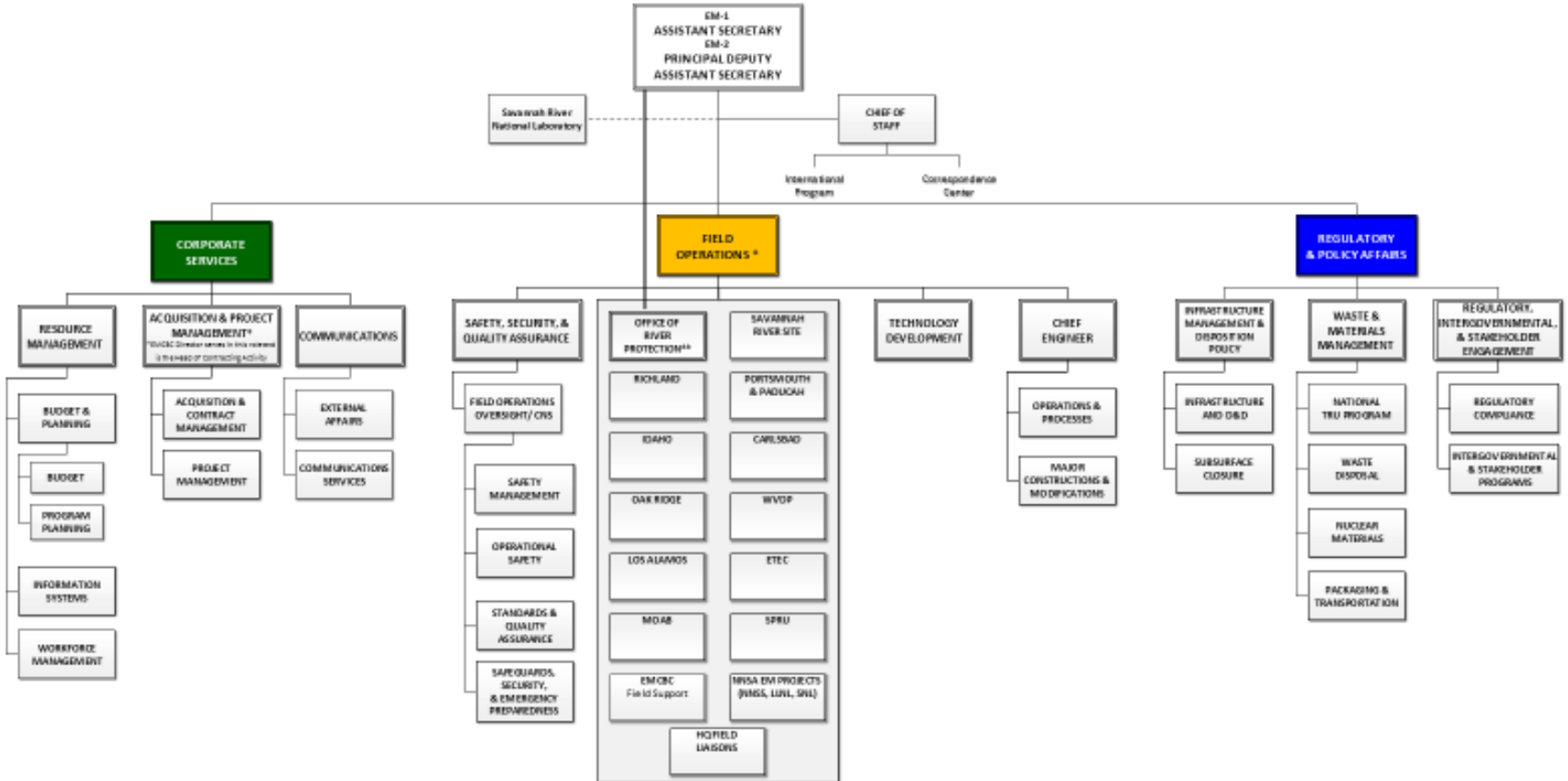
CPP-666 Storage basins at  
Idaho National Laboratory.



H-Canyon – processing of spent nuclear fuel at  
Savannah River Site in South Carolina.

- ❖ Structures EM-HQ to align with how it executes and delivers the mission, promotes increased coordination and interaction between the Field and EM-HQ, and eliminates stovepipe organizations
- ❖ Designed to:
  - Increase operational efficiency;
  - Enhance economies of scale through the consolidation of work along functional lines; and
  - Improve alignment of critical mission-enabling business operations
- ❖ Responds to external and internal drivers, including:
  - Investigation Board’s Report, *Radiological Release Event at the Waste Isolation Pilot Plant*, that calls for strengthened line oversight;
  - Secretary’s Task Force Advisory Board on Technology Development that defines a need to pursue technologies for breakthrough improvements;
  - GAO’s biannual High-Risk List that calls for improved major projects performance, and resource commitment to contract and project management problems;
  - Commission to Review the Effectiveness of the National Laboratories Report calls for consistency in DOE laboratories oversight (applicable to Savannah River National Laboratory);
  - The EM-Headquarters Organizational Culture Integrated Project Team action plan recommends enhanced accountability and a Field-based focus.

# New EM Organization



The next 3 EM presentations will provide more specific details on our Transportation, Spent Nuclear Fuel, and High-Level Waste activities and integration with other DOE offices