



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

Savannah River Site Budget Update

*SRS Citizen's Advisory Board
Strategic and Legacy Management Meeting
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Purpose

- Discuss the Savannah River Site budget environment and planned accomplishments for fiscal years 2014-2015

Budget Challenges

- Lapse of Appropriations: 1- 17 October 2013
- Continuing Resolution (CR) through January 15, 2014
 - Final appropriations approved 18 January 2014
- FY 2014 Appropriations (\$M):
 - FY 2014 Congressional Request – Site EM Total = \$1,209
 - FY 2014 Omnibus – Site EM Total = \$1,255
 - Delta (Omnibus vs Congressional Request) – Savannah River Site + 46M
- FY 2015: Appropriation or Continuing Resolution?

SRS Clean Up Program - Major Areas

PBS 11
Nuclear Materials

PBS 12
Used
Nuclear Fuel

PBS 13
Solid Waste

PBS 14
Liquid Waste

PBS 30
Soil/Groundwater
Remediation

Receipt,
Storage,
Disposition

Receipt,
Storage,
Disposition

Receipt,
Storage,
Disposition

Radioactive
Liquid
Tank Waste

Waste Site
Remediation

Salt Waste
Processing Facility

Facilities
Deactivation &
Decommissioning

Glass Waste
Storage Building #3

FY 2015 SRS EM Budget Request

EM BUDGET (\$Millions)	FY 2013 Enacted	FY 2013 w/Reprogramming	FY 2014 President's Request	FY 2014 Omnibus Spending Bill	FY 2015 President's Request
PBS 11C Nuclear Materials	206	265	272	272	260
PBS 12 Used Nuclear Fuel	38	40	45	45	43
PBS 13 Solid Waste	31	43	60	60	47
PBS 30 Soil & Groundwater Remediation	38	50	55	55	66
SRS Risk Management Operations	313	398	432	432	416
PBS 14C Radioactive Liquid Tank Waste	613	613	553	566	551
PBS 14C Saltstone Disposal Unit #6*	0	0	0	0	37
PBS 14C Glass Waste Storage Building #3	3	0	0	0	0
PBS 14C Salt Waste Processing Facility	156	72	92	125	135
SRS Environmental Cleanup	1,085	1,083	1,077	1,123	1,139
PBS 100 Community & Regulatory Support	9	11	11	11	11
PBS 20 Safeguards & Security	120	120	121	121	132
SRS EM Programs Budget Authority	1,214	1,214	1,209	1,255	1,282

*Saltstone Disposal Unit #6 becomes a Line Item Capital Asset Project in FY 2015

FY 2014 Planned Accomplishments

- **Site-wide**
 - Meet regulatory commitments
- **PBS 11 – Nuclear Materials**
 - Continue processing used nuclear fuel and preparations for receipt of Canadian liquid Highly Enriched Uranium
 - Initiate production of plutonium oxide suitable for use in the Mixed Oxide Fuel Fabrication Facility (funded by NNSA)
 - Continue Building 235-F Risk Reduction scope to meet Implementation Plan for DNFSB's Recommendation 2012-1
 - Continue Pu packaging operations for disposition at Waste Isolation Pilot Project
- **PBS 12 – Used Nuclear Fuel**
 - Continue receipt of Foreign Research Reactor/Domestic Research Reactor UNF
 - Continue limited implementation of Augmented Monitoring and Condition Assessment Program of UNF in wet storage
- **PBS 13 – Solid Waste and Infrastructure**
 - Continue disposition of site's contact-handled legacy transuranic waste
 - Store and ship non-Moxable plutonium to the Waste Isolation Pilot Plant
 - Continue processing low-level and mixed low-level radioactive waste and disposal operations in E Area
 - Initiate closure of legacy TRU-waste pads under Federal and State regulations
 - Complete critical infrastructure projects from the Site's Critical Infrastructure Plan
 - Replace SRNL hot cell windows (maintain capability to support EM requirements)
 - Replace SRNL fire suppression system (compliance issue – DNFSB concern)

FY 2014 Planned Accomplishments (cont.)

➤ **PBS 14 – Liquid Waste**

- Operate the Defense Waste Processing Facility at a reduced rate to produce 125 canisters
- Operate Actinide Removal Process (ARP) and Modular Caustic Side Solvent Extraction (MCU) to disposition 800,000 gallons salt waste
- Complete closure activities for Tanks 5 and 6, continue closure activities on Tanks 12 and 16
- Continue construction on Saltstone Disposal Unit 6
- Continue planning activities for an interim storage capacity for vitrified waste canisters
- Resume Salt Disposition Integration activities to support future SWPF start-up

➤ **PBS 20 – Safeguards and Security**

- Maintain protective force personnel to assure the security of special nuclear materials, facilities, and other site assets, operate and maintain physical security protection systems, ensure protection of classified and unclassified computer security, execute information and operational security measures, cyber security, personnel security
- Support Safeguards and Security enhancements for H-Area missions

➤ **PBS 30 – Soil and Groundwater Remediation**

- Achieve compliance with over 100 enforceable Federal Facility Agreement (RCRA/CERCLA) milestones and RCRA permit commitments.
- Operate and maintain 39 regulatory required soil and groundwater remedial systems
- Conduct post-closure surveillance and maintenance at 68 closed waste units (about 900 acres)
- Monitor, perform analysis and report on over 2,000 groundwater wells and 5 major streams, the Savannah River Floodplain Swamp, and the Savannah River
- Perform surveillance and maintenance of Area Completion Projects inactive facilities
- Perform Design and Commence Field Preparation for D Area Ash Units

FY 2015 Request Planned Accomplishments

- **Site-wide**
 - Meet regulatory commitments
- **PBS 11 – Nuclear Materials**
 - Continue Pu packaging operations for disposition at Waste Isolation Pilot Project
 - Continue processing spent (used) nuclear fuel in H-Canyon and begins processing U.S. origin Canadian liquids of Highly-Enriched Uranium (HEU)
 - Continue production of plutonium oxide suitable for use in the Mixed Oxide Fuel Fabrication Facility
 - Continue Building 235-F Risk Reduction per Implementation Plan for DNFSB's Recommendation 2012-1
- **PBS 12 – Used Nuclear Fuel**
 - Continue receipt of non-U.S. origin material from foreign countries in support of the Global Threat Reduction Initiative program and Foreign Research Reactor/Domestic Research Reactor spent (used) nuclear fuel
- **PBS 13 – Solid Waste**
 - Continue to pursue completion of legacy transuranic (TRU) waste shipments
 - Store and ship non-Moxable plutonium to the Waste Isolation Pilot Plant
 - Continue processing of low-level and mixed low-level radioactive waste and disposal operations in E Area
- **PBS 14 – Liquid Waste**
 - Disposition 1,000,000 gallons of liquid tank salt waste through the Actinide Removal Process (ARP) /Modular Caustic Side Extraction Unit (MCU) facility
 - Produce 120 to 130 canisters of vitrified high-level waste at the Defense Waste Processing Facility (DWPF)
 - Continues Salt Waste Processing Facility (SWPF) construction and infrastructure modifications to support SWPF operations
 - Continue Saltstone Disposal Unit (SDU) 6 construction
 - Continue tank closure activities on Tanks 12 and 16
- **PBS 30 – Soil and Groundwater Remediation**
 - Maintain groundwater remediation systems
 - Monitor over 2,000 groundwater wells and multiple major bodies of surface water
 - Initiate field cleanup activities on D-Area Ash Basin

Summary

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