



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

Savannah River Site Update

*South Carolina Nuclear Advisory Council Meeting
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FY16: Advancing Environmental Cleanup

- ✓ Closed Tank 12 - eighth high-level waste tank closure at SRS
- ✓ Completed Salt Waste Processing Facility construction and began testing/commissioning
- ✓ Kept Saltstone Disposal Unit (SDU) 6 facility readiness on track to begin receiving waste in FY17



Salt Waste Processing Facility
Construction Complete (April 2016)



Mega-Vault SDU6

- ✓ Celebrated 20 years of successful operations at the Defense Waste Processing Facility (DWPF)
- ✓ Produced 133 canisters of vitrified high-level waste at DWPF in FY16 - 4,106 to date
- ✓ Completed modifications at Glass Waste Storage Building and began canister double-stacking in August



Canister Double-Stacking in GWSB

FY16: Keeping Capabilities Strong in Nuclear Materials Management

- ✓ H Canyon: processed spent nuclear fuel
- ✓ HB-Line: produced plutonium oxide suitable for disposition (*funded by NNSA*)
- ✓ K Area: Began packaging operations for non-MOXable plutonium disposition
- ✓ L Area: Managed shipments of spent nuclear fuel from foreign and domestic research reactors
- ✓ Moving forward with deactivation and decommissioning at Building 235-F, former Plutonium Fuel Form Facility



Spent Fuel storage in L Basin



- Site under continuing resolution at FY 2016 enacted levels through April 28, 2017
 - Funds all programs at the FY 2016 enacted level less a 0.1901% across-the-board rescission
 - The bill prohibits new starts (Saltstone Disposal Unit #7)
- SRS has submitted a Reprogramming Request to re-align FY17 CR Funding
- FY 2018 Budget still under development and roll-out is anticipated to be after the first week of February due to new Administration.

- Produce 100+ canisters of vitrified high-level waste at Defense Waste Processing Facility
- Continue toward commissioning the Salt Waste Processing Facility
- Down-blend DOE Environmental Management-plutonium at K-Area for future disposal at Waste Isolation Pilot Plant in Carlsbad, New Mexico
- Continue processing spent (used) nuclear fuel in H-Canyon
- Continue receipts of Foreign and Domestic Research Reactor spent nuclear fuel in L-Area
- Invest in site-wide general purpose infrastructure improvements
- Invest in expanding influence and innovation of Savannah River National Laboratory
- Recruit and train next generation workforce of SRS
- Continue open communications and building positive working relationships with SRS stakeholders



Savannah River Site EM Budget (\$Millions)	FY 2016 Omnibus	FY 2017 Congressional Request	FY 2017 HEWD Mark	FY 2017 SEWD Mark
PBS 11C Nuclear Materials	255		311	
PBS 12 Used Nuclear Fuel	41		0	
PBS 13 Solid Waste	52		51	
PBS 30 Soil & Groundwater Remediation	66		74	
PBS 41 - Risk Reduction, Deactivation, and Surveillance & Maintenance	-		28	
HEWD Mark Reduction			(32)	
SRS Risk Management Operations	414		432	
PBS 11C NM Stabilization & Disposition (NEW)		311		311
Nuclear Material Management (NEW)		311		311
PBS 41 S&M, Risk Reduction & Deactivation (NEW)		28		28
PBS 13 Solid Waste		51		51
PBS 30 Soil & Groundwater Remediation		74		74
Environmental Cleanup (NEW)		153		153
PBS 14C Radioactive Liquid Tank Waste	555	645	620	600
15-D-402: Saltstone Disposal Unit #6	35	8	8	8
17-D-401: 14C Saltstone Disposal Unit #7	0	10	0	10
05-D-405: Salt Waste Processing Facility	194	160	160	160
Radioactive Liquid Tank Waste Stabilization and Disposition	784	823	787	777
PBS 202 General Plan Project (NEW)		17	0	17
PBS 100 Community & Regulatory Support	11	11	11	11
PBS 20 Safeguards & Security	128	134	134	134
SRS EM Programs Budget Authority	1,337	1,448	1,364	1,403

¹ PBS 11C and PBS 12 have been combined into one PBS (11C)

² New PBS 41 to include scope for 235-F deactivation and F-Canyon S&M

³ New PBS 202 to include scope for infrastructure improvements and General Plant Projects

FY 2017 Reprogramming			
Savannah River Site EM Budget (\$Millions)	FY 2016 Enacted	Proposed FY 2017 Reprogramming	Delta
PBS 11C Nuclear Materials	255	275	20
PBS 12 Used Nuclear Fuel	41	41	0
PBS 13 Solid Waste	52	52	0
PBS 30 Soil & Groundwater Remediation	66	66	0
SRS Risk Management Operations	414	434	20
PBS 14C Radioactive Liquid Tank Waste	555	595	40
15-D-402: Saltstone Disposal Unit #6	35	8	-27
*17-D-401: 14C Saltstone Disposal Unit #7	0	1	1
05-D-405: Salt Waste Processing Facility	194	160	-34
Radioactive Liquid Tank Waste Stabilization and Disposition	784	763	-20
PBS 100 Community & Regulatory Support	11	11	0
PBS 20 Safeguards & Security	128	128	0
SRS EM Programs Budget Authority	1337	1337	0

Reprogramming - involves a movement of funds between programs or projects that is different from what was originally appropriated by Congress. Reprogramming typically requires Congressional approval unless an Agency is specifically authorized to do so through previous legislation.

**New start — requires anomaly request to be approved by Congress to start a new activity under a full-year CR*