



U.S. DEPARTMENT OF  
**ENERGY**

OFFICE OF  
**ENVIRONMENTAL  
MANAGEMENT**

# Savannah River Site Solid Waste Program Update

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**Savannah River Site Citizens Advisory Board**  
**March 24, 2015**

# Purpose

- Present an update on the progress Savannah River Site (SRS) is making on disposition of Solid Waste streams
- Presentation requested as a topic for the Waste Management Committee 2015 Work Plan



E-Area Solid Waste Facilities

Solid Waste Program manages the treatment, storage, and disposal of:

- Transuranic (TRU) Waste
- Radioactive Low Level Waste (LLW)
- Mixed Low Level Waste (MLLW)
- Hazardous Waste (HW)
- Sanitary Waste

# TRU Waste Program

- Reduced the legacy TRU waste stored at SRS from over 12,000 cubic meters to 537 cubic meters today
- Made 1,652 shipments to Waste Isolation Pilot Plant (WIPP)
- All legacy TRU waste containers in WIPP compliant containers
- All field WIPP certification activities complete
- Newly Generated TRU waste is projected at 30 cubic meters a year



WIPP Trucks leaving SRS

# Low Level Waste (LLW) Program

- Radioactive LLW is disposed at SRS by shallow land disposal
- Achieved steady state operations in 2006 – waste is disposed as generated
- Annual generation rate projected at 6,500 cubic meters a year



Low Activity Waste Vaults



Two pictures of trench disposal

# Hazardous Waste (HW) and Mixed Low Level Waste (MLLW) Programs

- 20 cubic meters of legacy MLLW remains for disposal
- HW and MLLW requires disposal within one year of generation
- MLLW is the most costly waste to generate and dispose
- MLLW is disposed at various off-site facilities
- HW is disposed off-site at various commercial facilities licensed by the Environmental Protection Agency (EPA) and the respected State



Typical satellite HW storage areas



Waste being prepped for shipment

# FY 2014 Disposal Volumes

Transuranic (TRU) Waste disposed	- 405 cubic meters
Low Level Waste (LLW) disposed	- 5,133 cubic meters
Mixed Low Level Waste (MLLW) disposed	- 94 cubic meters
Hazardous Waste (HW) disposed	- 48 cubic feet
Sanitary waste disposed	-1,380 metric tons



# Summary

- Solid Waste Operations remain regulatory compliant and efficient
- Ongoing Low Level, Mixed and Hazardous Waste operations keeping pace with SRS demands
- Remaining TRU waste compliantly packaged with majority certified for disposal