Savannah River Site Operations Acquisition (Post FY2018)

General Scope of Work

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Mission Areas

- Soil and Water Remediation
- Deactivation and Decommissioning
- Solid Waste
- Nuclear Materials Management
- Savannah River National Laboratory
- Tritium Operations (Defense Programs)
- Nuclear Nonproliferation Programs
- Radiological Assistance Program
- Landlord Services and Site Support
Soil and Water Remediation/Deactivation and Decommissioning

Goal: Remediate waste units and deactivation and decommissioning (D&D) of Environmental Management (EM) excess facilities while protecting the public, SRS workers, and the environment.

Environmental Remediation Activities

D&D of Excessed EM Facilities
Soil and Water Remediation: SRS identified 515 waste units, which includes surface waste sites, groundwater, and surface water/sediments. (405 Completed)

Facility Deactivation and Decommissioning (D&D): The D&D scope consists of 1,126 EM facilities. (289 Completed)
Solid Waste

**Goal:** Treat and dispose of legacy and newly-generated wastes.

- **Legacy waste:**
  Generated from past nuclear operations at Savannah River Site (SRS), which for many years, have been stored pending the availability of treatment and disposal facilities.

- **Newly-generated waste:**
  Generated from ongoing site work.
Solid Waste

- Receipt, treatment, storage, and disposal of legacy and newly generated waste:
  - **Low-level waste (LLW):** legacy waste completed
  - **Mixed low-level waste (MLLW):** all but approx. 60m$^3$ legacy completed
  - **Transuranic (TRU) waste:** Approx. 660m$^3$ legacy remaining
  - **Hazardous waste (HW):** legacy waste completed
  - **Sanitary waste:** on-going
Nuclear Materials Management

SRS plays a key role in the nation’s management of excess nuclear materials.

- **Plutonium Disposition**
  K Area Facility, DOE’s only Category 1 Special Nuclear Materials storage facility, provides for the safe handling and interim storage of both uranium and plutonium from across the DOE Complex.

- **Highly Enriched Uranium Disposition**
  H Canyon is the only production-scale, shielded nuclear material separations facility in operation in the U.S. that safely dispositions nuclear materials so they are no longer attractive to terrorists.
Nuclear Material Management

- Used Nuclear Fuel Storage
  L-Area Basin currently stores 30 metric tons of used fuel.
Savannah River National Laboratory

- Puts science to work to create and deploy practical, high-value, cost-effective technology solutions.

- Serves DOE and the nation by providing innovative solutions for DOE and other federal agencies across the country and around the world.
NNSA Tritium Operations

**Mission:** Committed to continued excellence in the execution of four assigned missions that are vital to the United States’ national security:

- Tritium Supply
- Nuclear Stockpile Maintenance
- Nuclear Stockpile Evaluation
- Helium-3 Recovery
NNSA Nonproliferation Programs

**Mission:** Dispose of surplus U.S. highly enriched uranium and weapon-grade plutonium.
Radiological Assistance Program

**Mission:** Provide first response radiological assistance to protect the health and safety of the general public and the environment.

- Assists federal, state, tribal, and local agencies in the detection, identification, analysis, and response to events involving the release of radiological materials in the environment.

SRS is in Region 3, which includes Alabama, Florida, Georgia, North Carolina, and South Carolina.
Landlord Services and Site Support

The following are landlord responsibilities and provided services to other organizations doing work at SRS:

- **Environment, Safety, and Health (ES&H)** – Comprehensive ES&H program that provides for the protection of workers, the public, and the environment

- **Engineering and Construction** - Engineering, design, and construction management; centralized engineering services implementation
Landlord Services and Site Support

- **Operations Support** - Technical support and site-wide programs implementation

- **Business Services** - General planning, management and administrative services
Questions