SRS Overview

Looking toward the future of the Savannah River Site

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Savannah River Site
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SRS: We know where we’ve been

A history of national service

• Since the early 1950s, the Savannah River Site (SRS) has provided knowledge, technology and integrated solutions for our most pressing national needs.

• SRS pioneered the development of nuclear technologies and deployed those technologies at scales never before imagined.

• SRS accomplishments continue to stand at the core of our nation’s nuclear deterrent.

Historic Photos (clockwise from left)
R Reactor in 1951, F Canyon in 1952, H Canyon in 1952
SRS: We know where we are

Current SRS missions are important to the nation and the region

- SRS continues its heritage of national service through environmental stewardship, nonproliferation and national security.
  - Environmental Stewardship
    - Safe and effective cleanup of Cold War legacy nuclear materials
    - Construction of Salt Waste Processing Facility
  - Nonproliferation
    - Construction of Mixed Oxide Fuel Fabrication Facility
  - National Security
    - Nation’s only supplier of tritium for the nuclear stockpile
SRS: A Long-Term Asset

Multi-program Site with significant national missions

Rich History
- Established in 1950 to support national defense missions
  - Produced tritium (only U.S. source) and weapons-grade plutonium
  - Over 38,000 workers at peak
  - Site covers 198,000 acres (310 square miles)

Today
- Multi-program Site with national missions: DOE-Environmental Management (EM) and National Nuclear Security Administration (NNSA)
- EM cleanup and risk reduction mission is top priority
- Making measurable progress in cleanup of legacy waste contamination, reduction of stored legacy waste, and closure of defense-related nuclear reactors
- Highly skilled federal and contractor workforce >13,000
- Focused Federal oversight and stewardship
Our Greatest Resource: A Skilled Workforce

DOE: Savannah River Operations Office
NNSA: Savannah River Site Office
  Office of Site Engineering and Construction Management
U.S. Forest Service
U.S. Nuclear Regulatory Commission
U.S. Army Corps of Engineers

Contractors:
- Savannah River Nuclear Solutions: Site Management & Operations and Savannah River National Laboratory (EM National Laboratory)
- Savannah River Remediation: Liquid Waste Operations
- Parsons: Salt Waste Processing Facility construction and operations
- Wackenhut: Security
- Shaw AREVA: Mixed Oxide Fuel Fabrication Facility construction and operations
- University of Georgia: Savannah River Ecology Laboratory
2011 SRNS Community Impact

Total: $1.423 Billion

SRNS Employees
- Aiken: 2,735
- Edgefield: 154
- Barnwell: 343
- Allendale: 35
- Richmond: 617
- Columbia: 797
- Other counties: 427
- Total: 5,108

County Impact
- Payroll
- Medical and Dental
- Procurement Commitments
- Community Contributions
- DOE Payment in Lieu of Taxes (Aiken, Barnwell, Allendale only)
Our mission triad

- Environmental Stewardship
- Clean Energy
- National Security
Enterprise SRS Goals and Objectives

Increasing SRS mission impact

Environmental Stewardship

Transform liabilities to assets to reduce the environmental legacy of nuclear materials and radioactive waste at SRS to provide innovative approaches that advance and improve SRS processing leverages solutions to other DOE sites and customers

- Lead development, validation and assessment of breakthrough technologies to accelerate current DOE national cleanup priorities

- Capitalize SRS competencies to solve the nation’s nuclear materials disposition issues
Increasing SRS mission impact

Clean Energy

Accelerate the deployment of nuclear energy through public and private partnerships that solve critical nuclear material storage, processing and disposition challenges, utilizing the Site’s expansive expertise to support regional energy sustainability

- Accelerate deployment of small modular nuclear reactor technology
- Demonstrate clean energy systems
- Develop and lead the nation’s used nuclear fuel cycle initiatives
Enterprise SRS Goals and Objectives (continued)

National Security

Enhance national security by applying unique SRS technology and systems assets to global nuclear nonproliferation, deterrence and threat reduction challenges

- Lead proliferant materials disposition
- Lead global nuclear nonproliferation and threat reduction systems solutions through R&D, analysis, forensics and demonstrations
- Lead national deterrence programs, including R&D and management of tritium and helium-3 for the nation
The Enterprise SRS Vision

Enterprise SRS provides the vision to revitalize assets and to create an enduring, high-impact future for the Savannah River Site.

SRS is working with DOE Headquarters and the Nuclear Regulatory Commission on safety plans and licensing for small modular reactors.
SRS: Where do we go from here?

SRS leadership is committed to moving forward with the Enterprise SRS vision.

• Pursue top priority objectives
  – Support with specific and immediate initiatives
  – Allocated required resources to support these initiatives

• Re-shape cultural, organizational and business practices
  – Actively seek to expand the SRS national impact
  – Focus on achieving multiple customer objectives

• Build strong business and inter-agency support networks
  – Define and build relationships with policy makers, customers and suppliers
  – Extend beyond the SRS boundaries to obtain that goal
SRS: The Next Opportunity...

SRS is reshaping its support service contracting model

DOE-SR Current

17 Support Services Contractors

$20,549,867 Annual Cost

Budget Cuts

Need to Consolidate
Immediate Savings Through Consolidation

Contractor Consolidation

- Overhead
- ODCs
- Contractor Profits
SRS: The Next Opportunity…

Technical Services

Technical Consultants
Telecommunications
Export Control (EC) Program
Records Management
International Programs

Safety & Security

Safeguards & Security Program
Planning/Management
Physical Protection
Technical Security
Emergency Services

Nuclear Services

Scientific & Technical Information (STI) Management &
Public Information Release (PIR)
Nuclear Materials & Control/Accountability
Nuclear Materials Disposition/Consolidation

U.S. DEPARTMENT OF ENERGY
SRS: The Next Opportunity…

General Administrative
SRSO Administrative / Clerk Support
Program Management and Support
OAM Support

Office Support

Information Technology

Coordination Services

Business Services

Office Services

Mail Room
Printing and Copier
Supply Room
Facilities and Services

Help Desk
Data Center
Cyber Security
Primary Organizational
Web-Based Employee
Records (POWER)

Communication Coordination
Citizens Advisory Board
Defense Nuclear Facility Safety Board

Integrated Business Management
HR Recruitment & Staffing Services
Conference Rooms and Vehicle Pool
Receiving / Delivery of DOE Equipment
• **Infrastructure Services**
  – Building design and construction
  – Facility services
  – Roads and bridges

• **Equipment and supplies**

• **IT equipment**

• **Tactical**

• **Industrial**

• **Laboratory**

• **Electrical and Mechanical**

• **Analytical services**
  – Water, Air, Soil, RadCon
  – Instrumentation

• **Storage/shipping containers and gloveboxes**

• **Consulting**
  – Technical and administrative