

U. S. Department of Energy Savannah River Operations Office

Savannah River Site Overview William F. Spader, Deputy Manager for Cleanup



November 28, 2006



Savannah River Site Characteristics

- 192,000 acres = 310 sq miles
- Over >1000 facilities encompass about 10% of the land area
- Operations will be concentrated in central core area buffered by surrounding land
- Total SRS Workforce ~10,500 people
- DOE/SR and NNSA/SRS provides oversight
- EM is the Site Landlord and responsible for the reduction of Site risks through safe stabilization, treatment, and disposition of legacy nuclear materials, spent nuclear fuel, and waste
- NNSA supports national security and non-proliferation programs



SRS Today

Corridor Area/Buffer Zone

A Area

- SRNL
- SREL
- Some D&D underway
- A Area Powerhouse operational

M Area

- D&D completed

TNX

- D&D and area closure completed

D Area

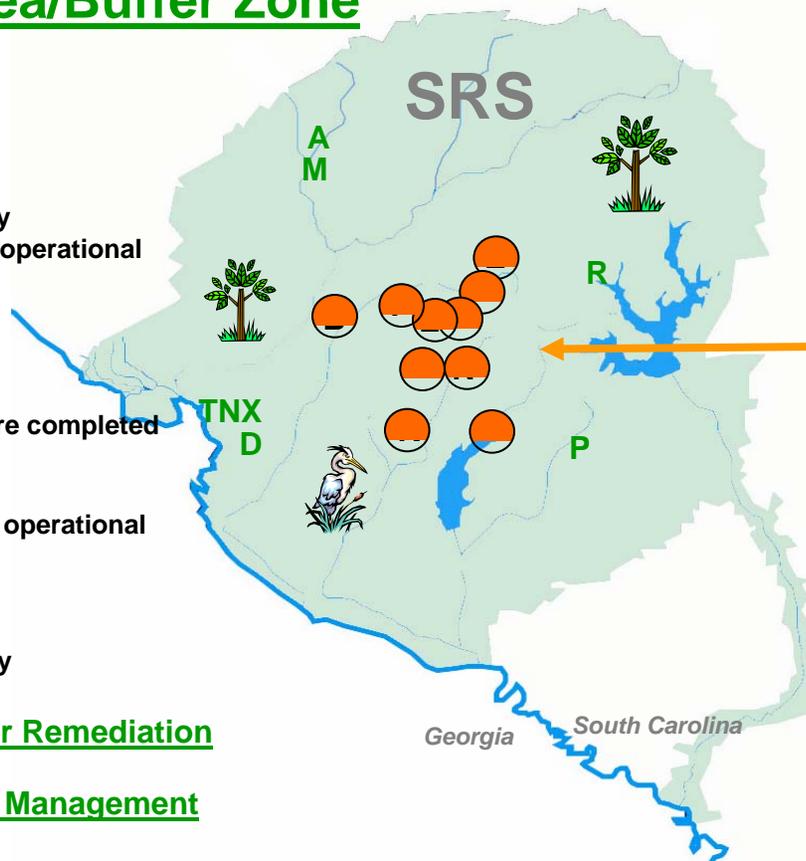
- D Area Powerhouse operational
- D&D completed

P & R Areas

- Some D&D underway

Soil & Groundwater Remediation

Natural Resources Management



Central Core Area

B Area

- Central Administration/Security

C Area

- Material storage

E Area

- Waste storage/processing/disposal

F Area

- F Canyon/FB Line deactivated
- Excess F Area facilities D&D'd
- F Tank Farm and 1 evaporator operational, 2 tanks operationally closed
- MFFF site preparation underway

H Area

- Nuclear materials processing facilities operational
- H Tank Farm and 2 evaporators operational
- Tritium processing operations

K Area

- Nuclear material storage

L Area

- SNF storage

N Area

- Industrial support/warehousing

S Area

- Radioactive liquid waste disposition (DWPF, GWSBs)

Z Area

- Saltstone



SRS Vision

- National asset with enduring national security missions contained within a core operations area.
- Unencumbered by Cold War legacy materials storage, excess facilities, waste, and environmental cleanup.
- Savannah River National Laboratory (SRNL) is an enduring laboratory.
- Property boundaries are unchanged and under Federal control in perpetuity.



SRS Missions

- Resolving the environmental legacy
 - Disposition nuclear materials and waste
 - Decommission and/or demolish excess facilities, buildings, and structures
 - Remediate soil and water contamination
- Meeting national security and nonproliferation challenges
 - Nuclear weapons stockpile maintenance, including tritium production
 - Blend down highly enriched uranium for use as fuel
 - Disassemble nuclear weapons components
 - Convert plutonium to mixed oxide for fuel



SRS Missions

- Investing in America's energy future
 - Develop hydrogen technology
- Advancing scientific understanding
 - Savannah River National Laboratory
- Enabling infrastructure
 - Safeguards and security including property and information protection and emergency management
 - Natural and cultural resources management
 - Maintenance/repair and recapitalization of DOE investment to achieve all missions

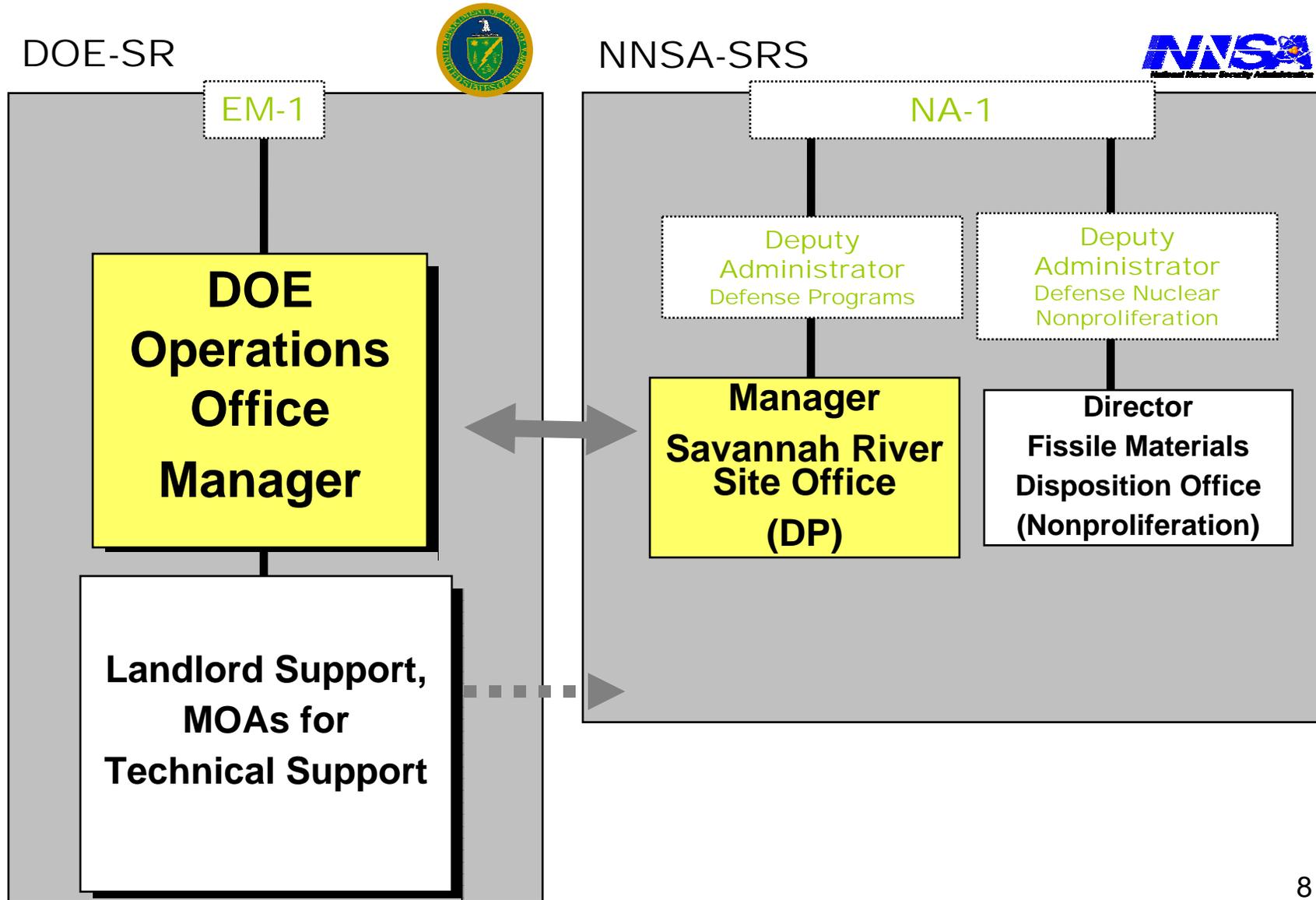


SRS Budget Summary

	<u>FY2006</u>	<u>FY2007</u> (*)
Environmental Cleanup	\$1,179	1,084
Safeguards and Security	135	164
Federal Program Direction	44	50
Defense Nuclear Nonproliferation	150	77
Defense Programs	209	173
Total Budget Authority	\$1,891	\$1, 631

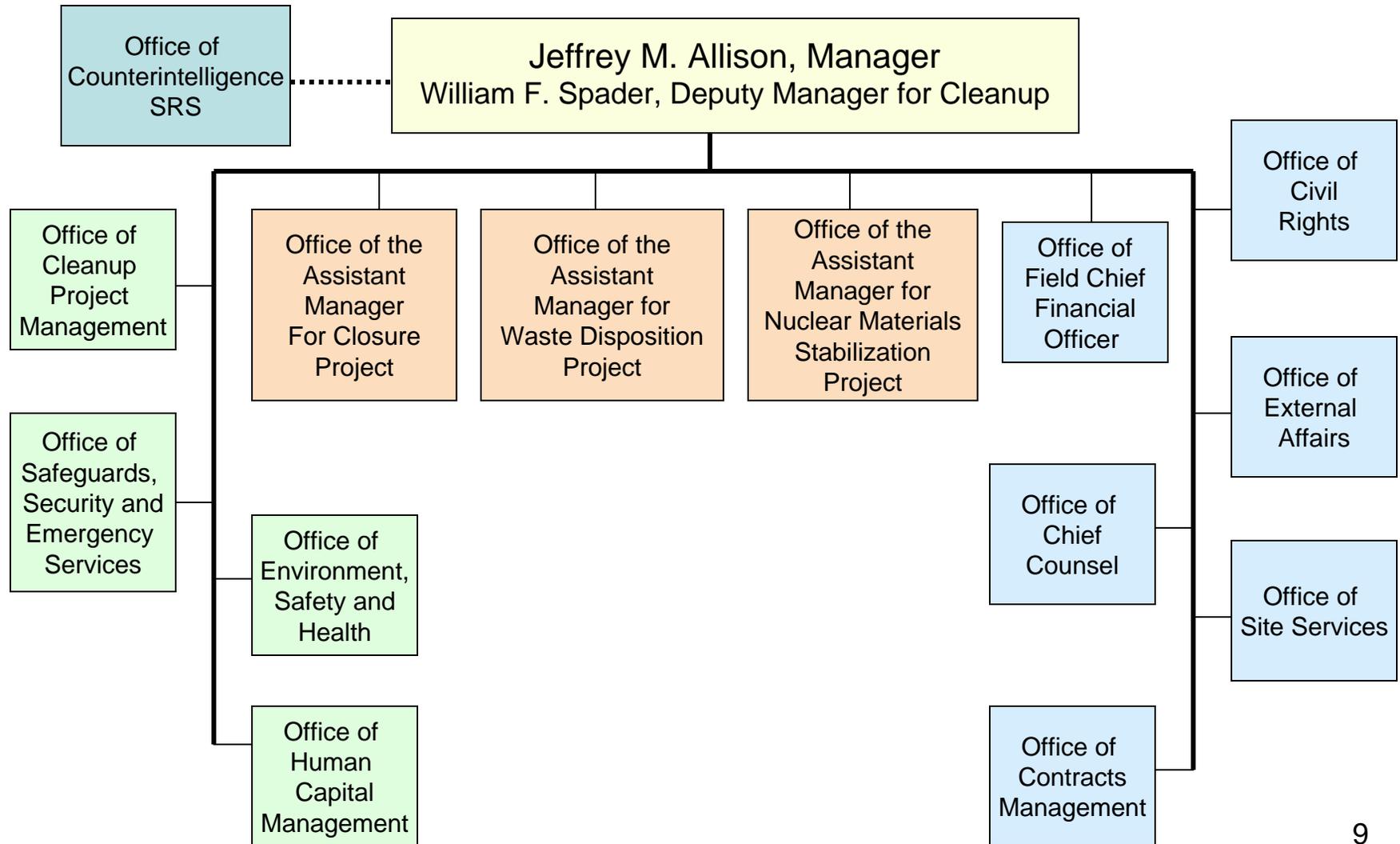
(*) reflects FY07 Congressional Budget Request

SRS Federal Organization





DOE-SR Organization





SRS Acquisition Strategy

- Approved on December 5, 2005 by Deputy Secretary Clay Sell
- Two major acquisitions:
 - Site Management and Operating (M&O) Contract
 - Savannah River National Laboratory remains within the M&O contract
 - Continue site technical support
 - Explore regional and national growth opportunities
 - Liquid Waste Program Contract
 - Recognizes this is critical path to close out the EM mission
- Uses Indefinite Delivery/Indefinite Quality contracts for discrete cleanup scope
- Increases the amount of DOE-managed small business contracts



Challenges

- Maintaining and improving a focus on safety
- Managing interfaces
 - Disciplined interface management will be needed
 - Ensure effective implementation of site-wide programs (e.g., Integrated Safety and Security Management)
 - Providing landlord services to an increased number of tenant entities
 - Receiving services from current and potential future tenant entities
 - Providing technical support as directed to meet other project schedules (e.g., Liquid Waste Program, Mixed Oxide Fuel Fabrication Facility)
- Increasing national/regional collaborations with SRNL for future growth while meeting Site technical and R&D needs
- Maintaining regulator, stakeholder, and community relationships