



U.S. DEPARTMENT OF  
**ENERGY**

OFFICE OF  
**ENVIRONMENTAL  
MANAGEMENT**

# Savannah River Site Land Use Plan

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**Strategic & Legacy Management Committee**

**Citizens Advisory Board**

**August 11, 2015**

- Provide a review of the current Land Use Plan for the Savannah River Site
  - Plan updated November 2014
- Fulfill a 2015 Strategic & Legacy Management (S&LM) Committee Work Plan requirement to provide an update on Site Land Use Planning.

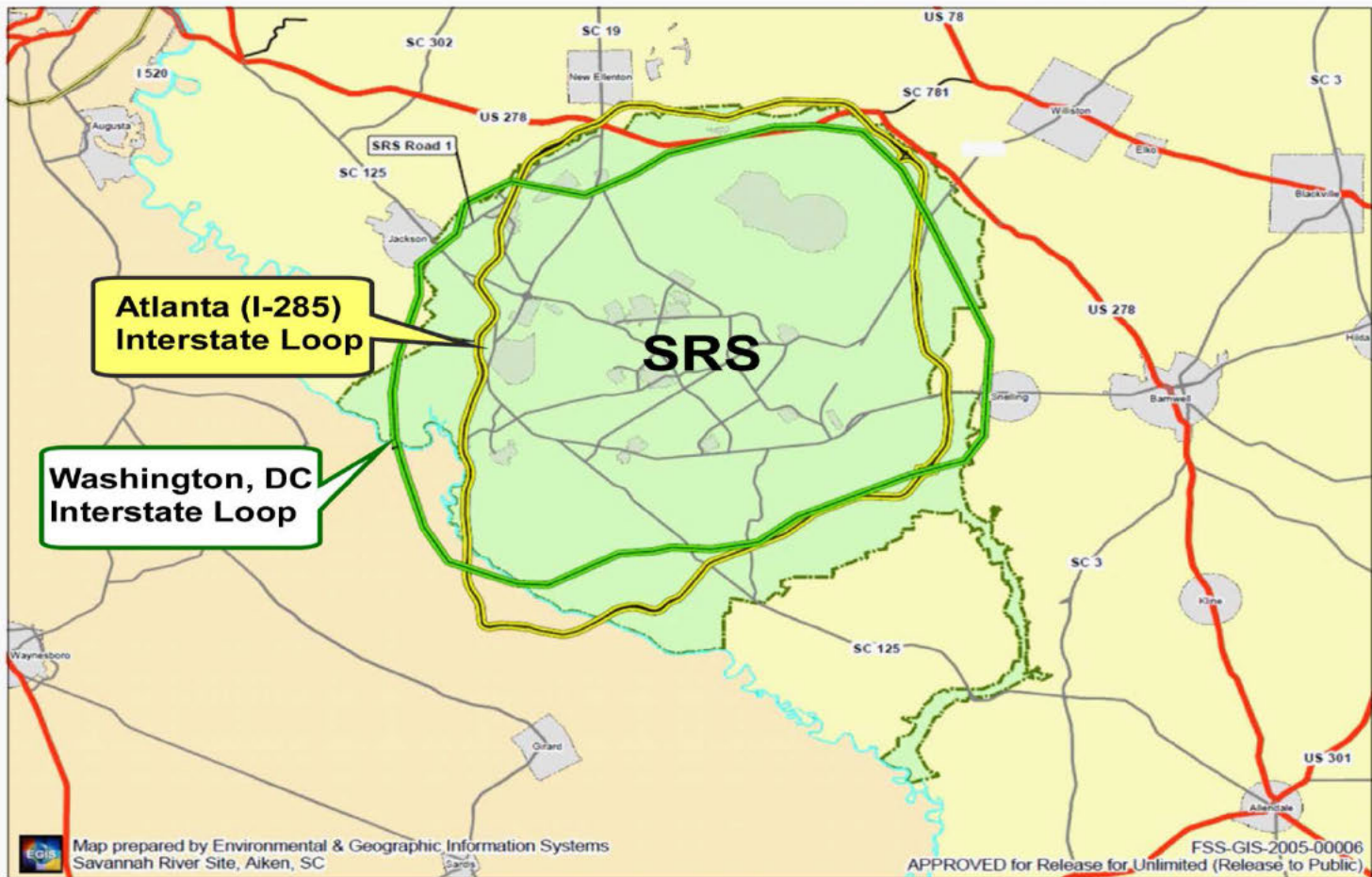
<b>EM</b>	Environmental Management
<b>LUP</b>	Land Use Plan
<b>NEPA</b>	National Environmental Policy Act
<b>NNSA</b>	National Nuclear Security Administration
<b>SREL</b>	Savannah River Ecology Laboratory
<b>SRNL</b>	Savannah River National Laboratory
<b>USFS</b>	United States Forest Service

- Background
- DOE Requirements for Land Use Oversight
- Land Use Assumptions for SRS
- Current Land Use
- Process for Changes in Land Use

The Department of Energy (DOE) requires integrated land use planning at all of its sites to ensure support of current and future DOE missions, and to ensure appropriate reuse of land no longer needed to support DOE missions.

At a multi-program site such as SRS, overall land use management responsibilities are assigned to a Lead Program Secretarial Office, or landlord, which for SRS is the **Office of the Assistant Secretary for Environmental Management (EM)**.

# Geographic Size Comparison of SRS



## DOE Order 430.1B is the primary land use planning guidance for SRS

This order directs DOE sites to comply with the requirements of the National Environmental Policy Act (NEPA). It also requires the inclusion of the following:

- Site planning and asset management
- Long term stewardship plans
- Stakeholder public participation
- Economic development under community reuse organizations
- Environmental law
- Cultural asset management
- Historic Preservation
- Natural Resource Management

## Assumptions for SRS

- SRS will maintain its current physical boundary under the ownership of the federal government in perpetuity, except where lease or transfer to private or public entities in accordance with applicable laws and regulations aligns with DOE objectives and enhances economic development in the surrounding region. Land use will be nonresidential.
- National Nuclear Security Administration (NNSA) Defense Programs will continue as an enduring mission.
- Savannah River National Laboratory (SRNL), a national asset, solving critical issues for national security, clean energy and environmental management, will continue as an enduring mission.
- Site infrastructure will be right-sized to support assigned site missions.



## Assumptions for SRS (continued)

- Upon completion of environmental cleanup and nuclear materials disposition missions, long term environmental monitoring responsibilities will be released to another DOE Program Secretarial Office.
- Canisters of vitrified high-level nuclear waste will be shipped off-site to a national repository.
- Natural resources (forests, watersheds, and endangered species) are valued site assets and will continue to be actively managed . Unique ecological habitats and archaeological sites will be protected and enhanced.
- SRS will continue to set aside specific research sites for the purpose of preserving non-industrial reference areas for environmental and ecological baseline data.

## EM

Nuclear Materials  
Stabilization and  
Disposition

Spent Nuclear Fuel  
Receipt & Storage

Solid Waste Disposition

Radioactive Liquid Waste  
Stabilization & Disposition

Safeguards & Security

Soil & Groundwater  
Remediation / Facilities D&D

Savannah River National  
Laboratory

## NNSA

Tritium Supply

Surplus Plutonium  
Disposition

Secure Global  
Materials

## Other Key Site Activities:

***Savannah River Ecology Laboratory (SREL)*** - Provides independent assessment of the impacts of SRS operations on the environment

***United States Forest Service (USFS)*** - Conducts natural resource management for SRS

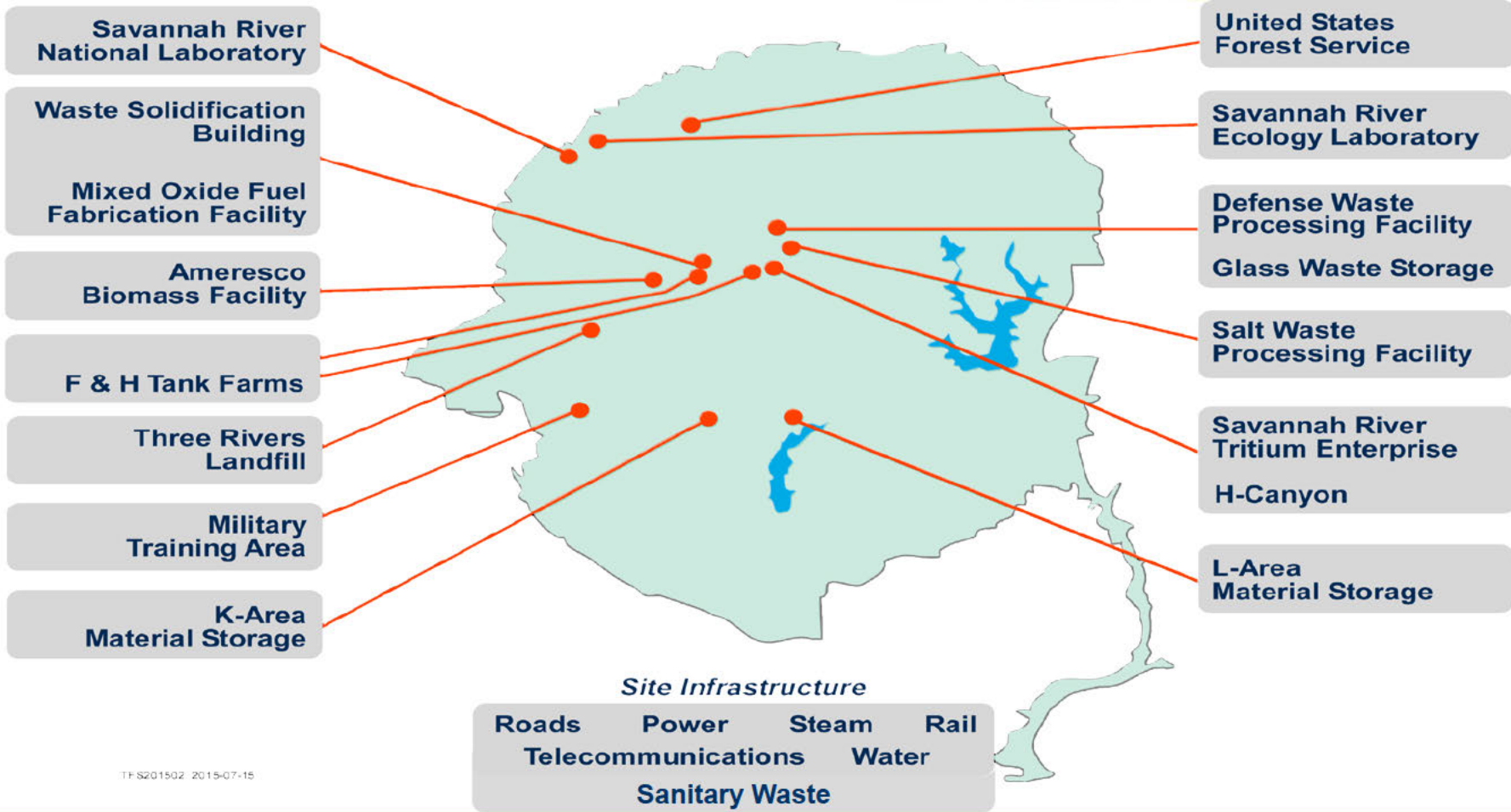
***Ameresco*** - Steam generation and supplemental electricity via a biomass cogeneration facility

***Centerra***- Provides paramilitary security services for the site

***Military*** - Conducts low intensity, non-live-fire training activities

***Three Rivers Landfill*** - Lease 1,380 acres of land from SRS for operation of a regional landfill. SRS also uses the landfill for certain of its own solid waste disposal needs

# Current Land Use: Operational Areas



TF-S201502 2015-07-15

# Current Land Use: By Acreage (310 Sq.Miles)

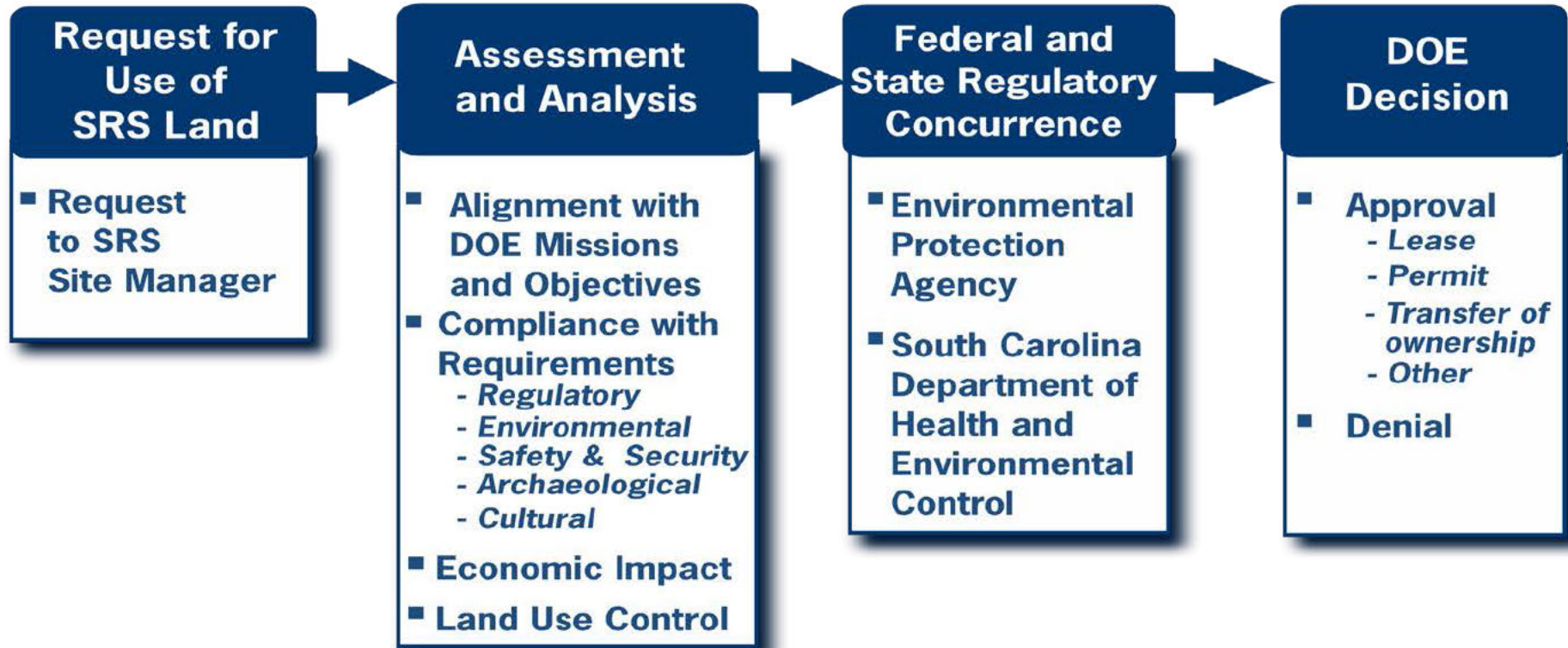
<b>Land Use</b>	<b>Approximate Area Acres</b>	<b>Percent</b>
<b>Primary SRS Missions/Mission Support (Industrial Areas)</b>	<b>14,076</b>	<b>7%</b>
<b>Research Set-Aside Areas</b>	<b>14,005</b>	<b>7%</b>
<b>Land Buffer for Nuclear Activities, Natural Resource Management, and Military use</b>	<b>158,281</b>	<b>80%</b>
<b>Non-Federal use</b>	<b>11,982</b>	<b>6%</b>
<b>Site Total</b>	<b>198,344</b>	<b>100%</b>

# Process for Changes in Land Use

**DOE Order 430.1B** requires DOE sites to ensure that existing DOE land is maintained and available for approved DOE missions.

The order also directs DOE sites to make existing land that is no longer needed available for reuse.

# Process for Changes in Land Use



# Current Land Use: Non-Federal Use

Land Use	Party	Area (Approx.)	Type
SREL Lab Facilities & Offices	University of Georgia	65 Acres	Cooperative Agreement
Conference Center	University of Georgia	68 Acres	Permit
Three Rivers Landfill	Three Rivers Solid Waste Authority	1,380 Acres	Leased by DOE-SR & Permitted by state of SC
Crackerneck Wildlife Management Area	South Carolina Dept. of Natural Resources	10,460 Acres	Cooperative Agreement
Cell Phone Towers	SBA Towers and Allied Wireless	9 Acres	Lease
Total		11,982 Acres	
<b>Land Transfers</b>			<b>Year</b>
Industrial Park	Barnwell County, SC	2,487 Acres	1970



- **DOE-SR will continue to manage land use responsibilities at SRS in accordance to DOE Order 430.1B.**
- **Stakeholders, including the Citizens Advisory Board, will continue to have a voice in future land use discussions.**