

We put science to work.™

SRNL is a DOE National Laboratory
operated by Savannah River Nuclear Solutions.

Facts

about Savannah River National Laboratory

U.S. DEPARTMENT OF ENERGY • SAVANNAH RIVER SITE • AIKEN • SC

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SRNL Fast Facts

- > Located at the U.S. Department of Energy's Savannah River Site near Aiken, South Carolina
- > Operated by Savannah River Nuclear Solutions
- > The National Laboratory for DOE Office of Environmental Management
- > Provides expert consultants in the areas of chemical, biological, radiological, and nuclear technologies to aid in addressing regional, national, and international security concerns
- > Supporting a range of international programs and partners, SRNL has completed work in over 50 countries across the globe

Contact Information

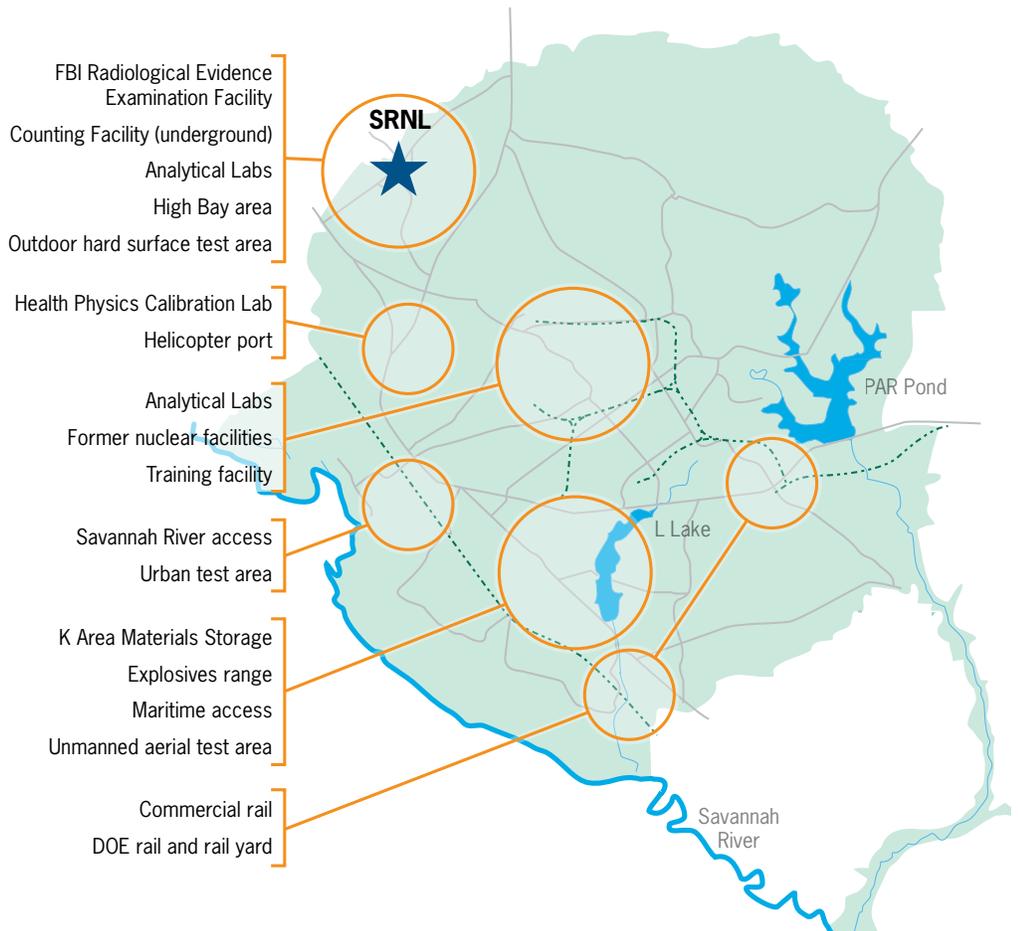
SRNL Office of Communications
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SRNL Global and Homeland Security

Testing and Evaluation Capabilities

The Department of Energy's Savannah River Site (SRS) is a 310 square mile secure site located on the border between South Carolina and Georgia. Here, the Savannah River National Laboratory (SRNL) has the capability to provide multiple venues in support of projects related to the defense of the U.S. homeland. Within the heavily-secured boundary of SRS are a variety of facilities and geographical areas. The Site's unique location provides access to the Savannah River, is home to two large lakes,



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and features 610 miles of roadway that cuts across both open terrain and heavily forested areas. Decommissioned nuclear facilities, special nuclear material storage areas, rail yards and more allow endless testing and training environments for any situation.

Testing and Evaluation Platforms

The distinctive capabilities and characteristics of SRS make it an optimal location for test and evaluation programs:

- Maritime: Two large lakes and access to the Savannah River
- Low-background terrestrial: Simulated urban landscape, open restoration areas, heavily wooded areas
- On-land transportation: 33 miles of isolated railroad track with classification yard, 610 miles of roadway system
- Support laboratory test facilities: Radiological and non-radiological research and development laboratory facilities, computational modeling and simulation capabilities, and Health Physics Instrument Calibration Laboratory for calibration and testing
- Radionuclides: Capabilities and infrastructure to handle a variety of radionuclides including special nuclear materials
- Aerial assets: Pilots and helicopters are available to support aerial testing
- SRNL Atmospheric Technologies Center: comprehensive weather support and operational guidance regarding meteorological conditions using state-of-the-art computational tools



A helicopter equipped with radiological detection equipment evaluates a test container from several hundred feet away.



The On-Dock Rail System was developed and tested for deployment to improve radiation detection capabilities at port locations.



Detection testing commences at the SRS railyard. Vehicle-mounted radiological monitoring equipment attempts to detect and identify radioactive sources in a variety of freight transport scenarios.



Savannah River National Laboratory[™]
OPERATED BY SAVANNAH RIVER NUCLEAR SOLUTIONS

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