



# Facts

## about Savannah River National Laboratory

Weapons of Mass Destruction, export control licensing, and radiological/nuclear detection. Other proficiencies include:

- Nuclear materials dispositions
- Detection and interdiction of illicit shipments
- Proliferation assessments and reassessments
- Technical and policy support for nuclear security

SRNL supports global safeguards needs and initiatives in the areas of design, technology maturation, monitoring, laboratory analysis, assessment, and human capital development. Additional SRNL programs and projects include:

- Development of gas centrifuge enrichment plant safeguards
- Development of air-monitoring environmental sampling technology
- Global monitoring of uranium hexafluoride (UF6) cylinders
- Safeguards and security assessments for best practices in nuclear material management

### Global Threat Reduction Initiative Support Capabilities

SRNL offers project management and fuel cycle technology expertise for nuclear material security programs. SRNL supports critical programs such as the Global Threat Reduction Initiative, specializing in the safe packaging, transportation and storage of nuclear materials, and deployment of rapid response tools for denuclearization through the Mobile Plutonium Facility. This facility allows for the safe stabilization, packaging, and expedited transportation of plutonium materials and other at-risk materials worldwide.

### Nuclear Forensic Capabilities

SRNL has the capacity to manage and analyze Special Nuclear Material (SNM) samples on an immediate and long-term basis. SRNL maintains a staff with extensive expertise in analyzing diverse SNM and other radioactive materials with the capacity to respond with 24/7 coverage using mobile laboratory and identification systems.

### Security through Understanding

SRNL supports a vast assortment of intelligence needs and provides technical and analytical assistance to various federal agencies. Expertise in nuclear technologies allows the laboratory to provide assessments aiding weapons of mass destruction and regional security analysis, control regime support, and nonproliferation efforts. SRNL is poised to collaborate with industry partners and address global issues.



SRNL makes the world safer and has supported the successful transport of countless shipments of high-risk proliferation materials.



SRNL's Mobile Plutonium Facility allows for rapid response wherever needed. The facility's stand-alone operating environment is completely self-sufficient.



UF6 canisters can be handled safely at contact yet can hold hundreds of kilogram equivalents of enriched uranium. SRNL develops innovative monitoring solutions to help keep these materials secure abroad.



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