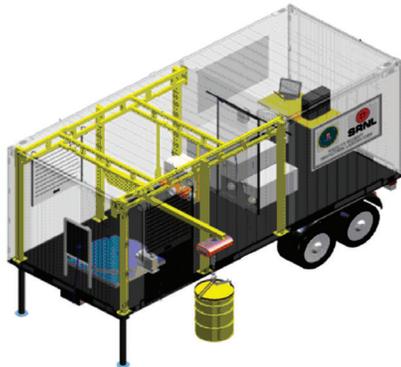


Global Security

at the Savannah River National Laboratory

srnl.doe.gov

We put science to work.™



Mobile Digital Radiography
Isotope Identification System



Photographing evidence

Interested in finding out more?

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Nuclear Forensics Capabilities

The Savannah River National Laboratory (SRNL) has provided nuclear forensics service to the Intelligence community for over 40 years. SRNL has the ability to receive, handle, subsample, analyze, document results, and ship Special Nuclear Material (SNM) samples on an immediate and long-term basis.

SRNL uses ISO 17025 accredited methods recognized by the Federal Bureau of Investigation (FBI), including sample management and quantitative/qualitative analysis of radioactive samples. The scientific staff has extensive experience and practice in analyzing diverse SNM/radioactive material. SRNL safety authorization basis allows receipt and analysis of all types of SNM/radioactive material. SRNL provides case support and other technical support for the FBI: the Radiological Evidence Examination Facility (REEF) laboratory is located within the SRNL.

SRNL developed and maintains a Mobile Sensing and Analysis Laboratory, known as the Tracing Radioactive Atmospheric Contaminants (TRAC) vehicle, for the purpose of environmental radiation monitoring, sample collection and analysis. The Mobile Digital Radiography Isotope Identification System (MoDRIIS) is also located at the SRNL and provides the capability to examine and confirm shipping container content for potential hazards and nuclear material content.

National assets of the Savannah River Site include:

- > Handles all SNM: Plutonium, uranium and neptunium
- > Category I and II facilities



Radiological Evidence Examination Facility



Savannah River National Laboratory™

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