

# Global Security

at the Savannah River National Laboratory

srnl.doe.gov

We put science to work.™



Gas Centrifuge  
Enrichment Plant simulator



UF6 cylinders

## International Safeguards

The mission of the Department of Safeguards of the International Atomic Energy Agency is to deter the proliferation of nuclear weapons by the early detection of the misuse of nuclear material or technology. In support of global safeguards initiatives, the Savannah River National Laboratory (SRNL) has capabilities in such areas as:

- > Design: Devise information for verification and safeguards-by-design program
- > Assessments: Advanced safeguards approaches and assessments
- > Monitoring: Global Monitoring of Uranium Hexafluoride (UF6) Cylinders project
- > Technology development: Development of safeguards technology and approaches for range of fuel cycle facilities (ex., Canada Deuterium Uranium reactors, Pebble Bed Modular Reactor)
- > Laboratory analysis: Gas Centrifuge Enrichment Plant Safeguards program
- > Human capital development: University engagement, postdoctoral research and development, and Next Generation Safeguards Initiative interns

## Unique Capability

The SRNL Global Security International Safeguards group is working together with the Savannah River Site's H Canyon to provide a unique test environment at H Canyon for novel safeguards and nonproliferation technologies. A test bed program at H Canyon would offer broad flexibility in testing a variety of materials and techniques while providing researchers with access to facilities and resources (ex., dissolution tanks, transfer lines, spent fuel receiving, storage tanks, etc.) not available anywhere else in the United States.



H Canyon at the Savannah River Site

## Interested in finding out more?

Contact:

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