

# Facts enterprise·srs

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## ● Enterprise·SRS Past Reuse Success

The Savannah River Site has a long history of partnerships with national laboratories, research universities, and federal and commercial entities.

### **Biomass Cogeneration Facility**

Under an Energy Savings Performance Contract, Ameresco Federal Solutions has financed, constructed and is operating a biomass-fueled cogeneration facility and two smaller biomass heating plants at the Savannah River Site (SRS), replacing a 55-year-old, coal-fired cogeneration facility and nearly 10 miles of steam lines. Clean biomass waste and a small percentage of bio-derived fuel are now used to produce steam and power. SRS air emissions have decreased significantly, reducing particulate matter by more than 400 tons per year, nitrous oxides by more than 2,500 tons per year, and sulfur dioxide by more than 3,500 tons per year. Greenhouse gas emissions will be reduced by 100,000 tons per year, significantly decreasing the Site's carbon footprint.



*Biomass Cogeneration Facility*

### **Federal Bureau of Investigation Facilities**

The Savannah River National Laboratory (SRNL) is home to the FBI's Radiological Evidence Examination Facility, providing facilities and equipment where trained FBI personnel can safely perform forensic examination on radiologically contaminated evidence. This radiological forensic laboratory takes advantage of the long-standing security, safety and radiological protection capabilities already in place at SRNL while allowing the FBI to focus on forensic examination, in consultation with SRNL experts. The main nuclear laboratory building at SRNL is a Hazard Category 2 Nuclear Facility with over 50 years of safe nuclear laboratory operations. Just as important as the physical facility is the research and practical application of the intellectual capital and capabilities unique and critical to meeting the FBI's needs for radiological evidence research and examination.



*FBI Evidence Examination Facility*

The Savannah River Site is owned by the U.S. Department of Energy, and is managed and operated by Savannah River Nuclear Solutions.



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### Use of Enterprise•SRS Lands for Military Training

Enterprise•SRS and the U.S. Army have a Memorandum of Understanding (MOU) that allows military training activities to be conducted at the Site. This agreement enables multiple uses of approximately 120,000 acres at SRS, generally remote from the core industrial areas. Large parcels of accessible contiguous land with road networks, terrain features, and vegetative cover suitable for light infantry and other low-intensity training scenarios support national defense, national security, and ongoing Department of Defense initiatives. Enterprise•SRS supplies unique resources such as deactivated industrial facilities for simulated urban combat, counter-terrorist, and nuclear detection training, including the vast experience of SRNL in working with nuclear materials. Waterborne training exercises could be authorized on select location of the Savannah River bordering the Site.



### Three Rivers Solid Waste Authority

The Three Rivers Solid Waste Authority (TRSWA) was established in 1992 as a regional solid waste management agency. Through a cooperative agreement, DOE and the TRSWA developed a Subtitle D waste facility within the SRS boundaries. This facility meets the long-term needs of the Site and nine South Carolina Counties for solid waste disposal. A metal, tire, wood waste, paper and plastic recycling center is also operated at the landfill as well as a gas collection system and pipeline that services a nearby industry.



Three Rivers Solid Waste Authority

### SRNL Homeland Security Project Support

Unique radiochemistry capability in SRNL coupled with secure real estate and infrastructure has supporting multiple successes in support of Homeland Security projects. Additional collaborations and projects utilizing the unique expertise and capabilities of the Site are planned.

### Small Modular Reactor Technology Development

DOE-Savannah River has announced three public-private partnerships to develop deployment plans for small modular nuclear reactor (SMR) technologies at SRS. Three private companies—Gen4 Energy; SMR, LLC, a subsidiary of Holtec International; and NuScale Power, LLC—will work with SRS to develop potential SMR reactor siting options and a framework for land use.



On-dock Rail, which scans cargo containers for radiation, in testing at SRNL

### Other Reuse Examples

- University of Georgia Research Foundation Conference Center, located on SRS property
- Crackneck Wildlife Management Area, managed by S.C. Department of Natural Resources