Updated June 2024

By the Numbers
Savannah River Site National Laboratory

The Savannah River National Laboratory (SRNL) is EM's multi-program national laboratory that puts science to work to provide practical, cost-effective solutions for environmental cleanup. In this capacity, SRNL uses its expertise and applied technology capabilities to assist sites in reducing cost and accelerating the cleanup mission. Originally established in 1951 as Savannah River Laboratory, SRNL was created to support the Savannah River Site in producing the basic materials necessary for fabrication of nuclear weapons, primarily tritium and plutonium-239. As its enduring mission moves forward, SRNL is leveraging its capabilities to expand R&D efforts in support of energy security, science discovery and DOE's legacy management of closed sites. May 7, 2024, marked the 20th anniversary of SRNL being designated as a U.S. Department of Energy (DOE) national laboratory. SRNL is the only DOE-EM national laboratory.

3 Mission Areas

- Environmental and Legacy Management
- National Security
- Science and Energy Security

6 Core Competencies

- Accelerating remediation, minimizing waste & reducing risks
- Enabling next-generation nuclear materials processing & disposition
- Creating manufacturing solutions for EM, NNSA & energy security
- Assuring production & supply of strategic materials & weapons components
- Sensing, characterizing, assessing & deterring nuclear proliferation
- Securing connected control systems & associated data

7

SRNL is spearheading **seven projects** that aim to develop breakthrough technologies to drastically reduce the life-cycle cost and schedule of the Hanford cleanup mission.

15

SRNL developed the EM National Groundwater Management Strategy with The Network of National Laboratories for Environmental Management & Stewardship (NNLEMS) that identifies processes to be used to provide a clear and comprehensive **end-state vision for each of the 15 DOE-EM sites.**

A First

- A **$3M DOE Office of Science Basic Energy Science Program award** to further fundamental research for new pathways for hydrogen storage and production technologies.
- **Two DOE INFUSE awards** with General Atomics and General Fusion to further advance the fusion fuel cycle and develop a commercial fusion power plant.

After 4+ years

Leaders from SRNL & NNSA cut the ribbon for the Mobile MeltConsolidate Facility, a major milestone in the non-proliferation program between the United States & Norway.

20 YEARS AS A NATIONAL LABORATORY
2004 - 2024

U.S. DEPARTMENT OF ENERGY | OFFICE OF ENVIRONMENTAL MANAGEMENT