

● JANUARY 2020

SAVANNAH RIVER NUCLEAR SOLUTIONS



SRNS Today



Community and SRS set for a year of 70th anniversary celebrations

This month

NNSA Governance Peer Review at SRS • Visitors of note • Annual Environmental Report



Stuart MacVean
SRNS President and CEO

Welcome

to the January 2020 edition of

SRNS Today

Happy New Year, and happy anniversary to the Savannah River Site. This year, the site is marking 70 years of service to the nation and the community with a wide array of educational and fun activities for our employees, their families and the public. Please join us in this celebration of the pivotal roles SRS and its people have played for our country, our state and our community.

Savannah River Nuclear Solutions is off to a great start in 2020 with many opportunities to share news of the continued important work we're doing for DOE Environmental Management and the National Nuclear Security Administration.

In January, we welcomed several visitors to the Savannah River Site. SRS hosted the NNSA Governance Peer Review. These senior federal and contractor personnel from NNSA sites across the country gathered for four days to gain in-depth perspectives on best practices for management and oversight of NNSA work. We were pleased to be able to share information on our missions, programs and projects to this team.

Other visitors included Rep. Adam Smith, Chairman of the U.S. House Armed Services Committee, Lisa E. Gordon-Hagerty, DOE Under Secretary for Nuclear Security and NNSA Administrator, and S.C. Lt. Gov. Pam Evette. During these visits, our guests gained insights about the proposed Savannah River Plutonium Processing Facility, Savannah River National Laboratory, H Canyon and other site facilities and missions.

I hope you enjoy this edition of SRNS Today. As always, thank you for your interest in Savannah River Nuclear Solutions, as we work to make the world safer.

Savannah River Nuclear Solutions, LLC, is a Fluor-led company whose members are Fluor Federal Services, Newport News Nuclear and Honeywell. Since August 2008, SRNS has been the management and operating contractor for the Savannah River Site, a Department of Energy-owned site near Aiken, South Carolina, including the Savannah River National Laboratory. The SRNS corporate and community offices are located in the renovated 1912 "Old Post Office" building in Aiken, S.C. The primary initiatives of SRNS are national security, clean energy and environmental stewardship. SRNS Today is published monthly by SRNS Corporate Communications to inform our employees and other stakeholders of the company's operational- and community-related activities. If you have questions or comments, please contact us at 803.952.6131 or visit our website.

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Representatives and Administrator Tour SRS Rep. Adam Smith, Chairman of the U.S. House Armed Services Committee, visited SRS, along with Rep. Joe Wilson and Lisa E. Gordon-Hagerty, DOE Under Secretary for Nuclear Security and NNSA Administrator, to see how SRS employees and facilities support NNSA's missions related to the nation's nuclear deterrent and nonproliferation. SRNL's Bill Swift (right) shows Rep. Smith the mock-up facility that will be used for training employees in the operation that will harvest valuable plutonium-244 from Mark 18-A targets stored at SRS.

Hosted by Savannah River Site, NNSA Governance Peer Review gets in-depth look at best practices

This month, senior federal and contractor personnel from NNSA sites across the country travelled to SRS to talk with SRNS and NNSA-Savannah River Field Office (SRFO) and DOE-Office of Environmental Management personnel about best practices for management and oversight of NNSA work.

The four-day visit was an NNSA Governance Peer Review, which NNSA has been conducting at all its sites. The Peer Review was not a graded assessment. Instead, it was an opportunity to give the Peer Review Team an in-depth look at how NNSA work is managed and carried out at SRS, then gain their insights into best ideas and practices that could be applied here.

"The Peer Review process brings together some of the most experienced professionals in the industry, with a half dozen or so senior executives from across the complex and Headquarters conducting a deep dive into how business is conducted," said Stuart MacVean. "A broad cross-section of participants allows for valuable sharing of notable practices throughout the nuclear enterprise."

The Peer Review focused on Governance – how NNSA, SRNS and the corporate parents all work together in their respective roles to carry out NNSA's mission. In addition to briefings on missions, programs and projects at SRS, team members observed a range of meetings, from an SRNS Managers meeting, to a new employee orientation, to meetings between NNSA-SRFO and SRNS to discuss performance.

Even though SRS is owned by DOE's Office of Environmental Management, approximately 50 percent of SRNS' current work is for NNSA. (NNSA is the semi-autonomous agency within DOE responsible for maintaining and enhancing the safety, security and effectiveness of the U.S. nuclear weapons stockpile, and working to reduce the global danger from weapons of mass destruction.) That work scope includes the Tritium mission in support of the nation's nuclear deterrent, surplus plutonium disposition and plans for the proposed plutonium pit mission.



SRS: 70 years of service

Site marks milestone anniversary with events and activities throughout 2020

SRS will celebrate its 70th anniversary on Nov. 28, 2020. On this date in 1950, President Harry S. Truman announced that the DuPont Company would design, build and operate what was then known as the Savannah River Plant in response to the Soviet Union's detonation of their first atomic weapon, which set the Cold War into motion. SRS played a key role in winning the Cold War and for seven decades, has been a leader in the DOE complex.

Today, the site supports environmental stewardship and maintains the nation's nuclear deterrent while ensuring the safekeeping and disposal of domestic and international nuclear materials. SRS continues to support the nation's nuclear defense through the continuation of the tritium mission and as it explores the potential for the proposed Savannah River Plutonium Processing Facility.



To celebrate the 70th anniversary milestone, a wide array of events and activities have been planned for SRS employees, their families and the community.

Anniversary festivities began in January with a kickoff at the Aiken Chamber of Commerce annual awards dinner and continued with a special recognition of SRS at the Aiken "State of the City" event, which was open to the public. Events and activities will continue throughout 2020.

In partnership with the City of Aiken, news about SRS will also appear in an array of publications and communications. The monthly Aiken water bill newsletter will contain an SRS feature series; SRS branding will appear on Aiken City media; local Channel 4 and Aiken YouTube will carry SRS videos; and anniversary-themed banners will enhance downtown Aiken roadways Nov. 14-30.

In addition, Bella Magazine will include a monthly feature, "Beyond the Barricade," focusing on people associated with SRS who have been influential in the community.

Save the dates and join us!

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|-------------------|---|
| Mar. 6 | North Augusta Chamber of Commerce Annual Dinner |
| Mar. 8-12 | SRS as Featured Site at Waste Management Symposia 2020 (Phoenix, Az.) |
| April 22 | SRS Earth Day Celebration: 70 Years of Environmental Stewardship |
| June 20 | SRS 70s Night at SRP Park with the Augusta GreenJackets |
| Sept. 10 | SRS Sock-hop at the Aiken Center for the Arts (Fundraiser for the SRS Museum) |
| Sept. 10- Oct. 22 | Aiken Center for the Arts SRS 70th Anniversary Art Exhibit |
| Oct. 19-23 | Nuclear Science Week |
| Oct. 24 | Atoms in the Alley (downtown Aiken) |
| Nov. 13-14 | SRS Family Days (combined with annual Safety Expo) |
| Nov. 28 | South Carolina and Georgia Proclamation of "SRS Day" |



SRS Public Tours: Past, present and future of SRS

Registration is now open for the 2020 SRS public tour program. More than 750 seats are available on 22 tours to be held throughout the year. The program is managed by SRNS for DOE and is free to the public.

Six historic tours (hosted in partnership with the SRS Cold War Historic Preservation Group) will be offered again this year, featuring the former town of Ellenton, C Reactor and the SRS Curation Facility.

All tours begin at 12:30 p.m. Participants arrive and depart from the SRS Badge Office on SRS Road 1, near New Ellenton. The public tours conclude at the Savannah River Ecology Laboratory; the historic tours conclude at the SRS Curation Facility. To register and obtain directions, visit www.srs.gov/general/tour/public.htm. If you experience difficulty registering online, call (803) 952-8994. Large groups can be accommodated by calling the same number. Each tour accommodates up to 34 people, and are filled on a first-come, first-served basis. Participants must be 18 years of age or older and U.S. citizens.

SRS tour dates for 2020

| Public Tours | |
|-----------------|---------------|
| Feb. 13 and 27 | July 9 and 23 |
| March 12 and 26 | Aug. 6 and 20 |
| May 14 and 28 | Sept. 10 |
| June 11 and 25 | Dec. 10 |
| Historic Tours | |
| April 16 and 23 | Oct. 8 and 15 |
| Sept. 24 | Nov. 12 |



Saluting SRS

Aiken Chamber celebrates the site and its people during its annual meeting

The Aiken Chamber of Commerce recently held its 102nd Annual Dinner on Jan. 17, with the theme "A Salute to SRS." The chamber has partnered with SRS to kick off a year-long calendar of events planned to recognize the site as it celebrates its 70th anniversary.

During the awards portion of the event, J. David Jameson, Chamber President and CEO, commented on the important missions of SRS in national security and the immense impact that the site continues to have on the Aiken community. Members of the Aiken Chamber of Commerce Board of Directors, as well as elected officials in the community, were called to the stage to participate in an award presented to the SRS leadership team.

In a closely-held surprise, the Chamber announced that Stuart MacVean was selected as the prestigious "Aiken Chamber of Commerce Man of the Year for 2019." This award is presented to an individual that demonstrates characteristics including leadership skills, community impact and involvement, is a role model and mentor to others, and demonstrates a commitment to a higher level of ethics in business practices.

Photos: The Aiken Chamber (top) recognizes the site's 70 years of service to the nation and the community. (Inset) Chamber President and CEO David Jameson presents Stuart MacVean with the Chamber's "Man of the Year" award for 2019.



S.C. Lt. Governor tours SRS facilities

South Carolina Lt. Governor Pam Evette visited SRS on Feb. 24, touring the proposed Savannah River Plutonium Processing Facility and Savannah River National Laboratory, along with overviews of H Canyon and the Savannah River Tritium Enterprise. "It was great to show the Lieutenant Governor the essential role SRNS employees play in our nation's nuclear deterrent, and the excitement around the hiring and significant project work here," said Stuart MacVean. Pictured are Lt. Governor Evette and Dave Olson, SRNS Executive Vice President, NNSA Capital Projects.





The SRS Annual Site Environmental Report shows that SRS continues to safely complete its missions and maintains a record of environmental excellence.

Each year, management and operations contractor SRNS collects more than 10,000 samples on and off site, including air, water, soil, food products, freshwater fish, seafood, wildlife and plants. Samples are collected from neighboring cities, towns and counties in Georgia and South Carolina to scientifically verify that SRS operations are conducted in accordance with state and federal environmental regulations ensuring the health and safety of workers, the public and the environment.

The annual report summarizes SRS environmental data; environmental sustainability performance; compliance with DOE, federal and state regulations; remediation and surveillance monitoring programs; and provides detailed information regarding environmental conditions at SRS for the previous calendar year.

“SRS strives to continually improve our environmental management system in accordance with our environmental policy,” said Angelia A. Holmes, DOE Savannah River Site, Deputy Manager for Infrastructure and Environmental Stewardship. “SRS has a history of achieving environmental objectives and goals through compliance with all applicable laws, regulations and standards.”

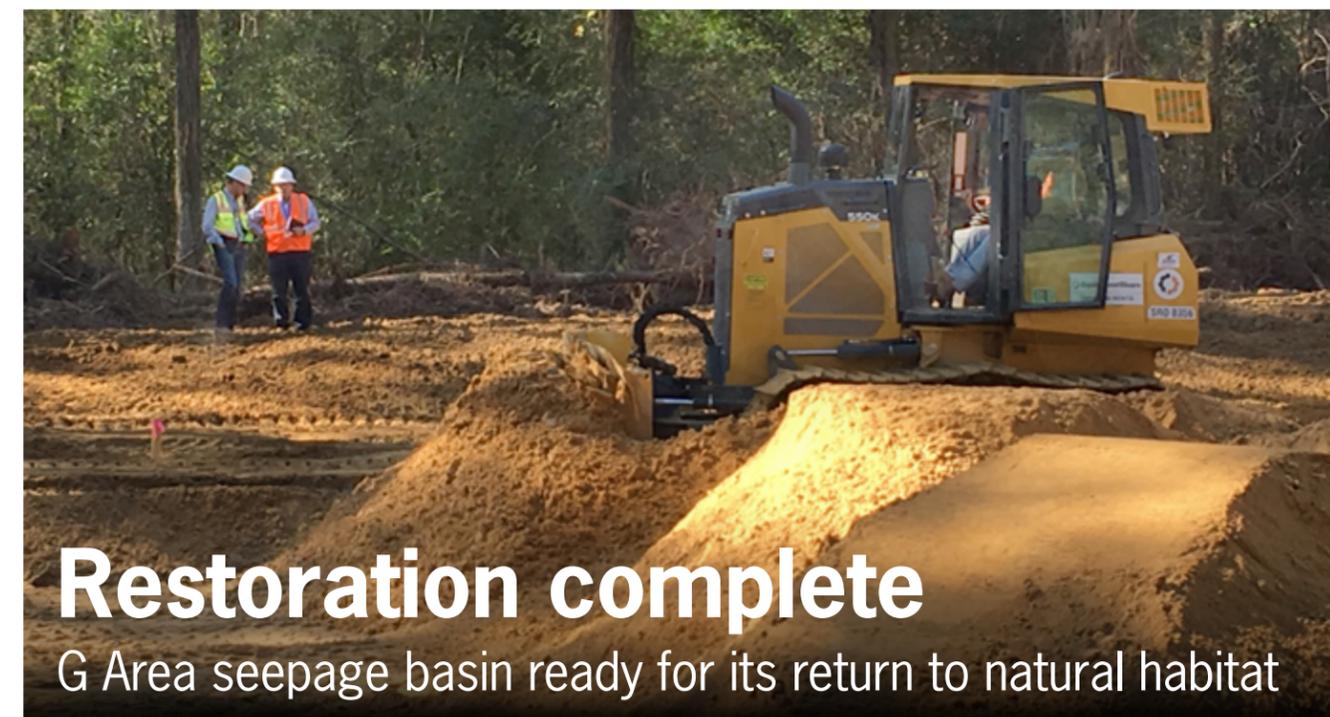
SRS has monitored environmental conditions since the site was built in the early 1950s and has prepared the annual report for more than five decades.

Maintaining environmental excellence

Annual report summarizes SRS environmental data, performance, compliance

A condensed version of the 2018 SRS Annual Site Environmental Report, referred to as the Summary Report, as well as the full 2018 report, are available online at:

<http://www.srs.gov/general/pubs/ERsum/index.html>



Restoration complete

G Area seepage basin ready for its return to natural habitat

A pond-like basin built at SRS in 1951 was recently restored to regulatory standards after being filled with 1,400 tons of stone, followed by 7,000 cubic yards of dirt and then capped with grass sod.

According SRNS Engineer and Project Manager Steve Conner, analysis of the G Area Oil Seepage Basin sediment and water revealed that several types of waste were placed into the basin during the early years of the site. “Herbicides and pesticides were the only substances found that were of potential concern for human health. They were slightly above standards set by state and federal regulators,” he said. “And being good stewards in our efforts to protect the environment, we agreed with regulators that action needed to be taken.”

The once swamp-like, algae-covered basin is now an open field of grass. “Anything can be safely built or grown here, now and in the future, and if it is left alone, the site will return to its natural habitat indistinguishable from the surrounding forest,” said Conner. “It’s been a rewarding project and an excellent team to work with, and the icing on the cake is the fact that this project was completed about a year early,” he added.

Conner explained that the restoration of the G Area Seepage Basin is just one of several waste units at SRS that have been successfully remediated since SRNS became the management and operations contractor in 2008.

“Each waste unit has presented its own set of challenges,” said Conner. “For example, during the early decades of the site, placing excess chemicals in basins was considered an acceptable method of disposal and, in reality, was the best means available during that era; however, we’ve continually sought out new methods and technologies to steadily increase the effectiveness of our remediation practices and our environmental cleanup program as a whole.”

Since approximately 2003, extensive cleanup and closure work has been completed at SRS under the Core Team approach, a formalized, consensus-based process in which DOE, the U.S. Environmental Protection Agency and the S.C. Department of Health and Environmental Control work together to reach agreement on key soil and groundwater remediation work.



The G Area Seepage Basin is just one of the SRS waste units successfully remediated since SRNS became the site’s management and operations contractor in 2008. Photos show “before” (above) and “after” of the project.





INNOVATION • DEFENSE

NONPROLIFERATION • ENVIRONMENT

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Savannah River Nuclear Solutions

We make the world **safer.**