

August 2012

SAVANNAH RIVER NUCLEAR SOLUTIONS

# SRNS Today

## In our community

SRNS meets with local leaders to discuss company accomplishments and the future of Enterprise-SRS



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New curation facility preserves SRS past



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Lower Three Runs:  
Project complete!

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Center for Hydrogen  
Research set to expand



Savannah River  
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**Dwayne Wilson**  
SRNS President and CEO

## Welcome to the August 2012 edition of “SRNS Today.”

One of the best parts of my job is meeting our friends and neighbors in the surrounding communities. August proved to be filled with opportunities to do just that. These visits are more than just social calls. They give me the opportunity to tell others about the great work being conducted at Savannah River Nuclear Solutions, and our progress toward the future of Enterprise•SRS.

This month, I was privileged to speak with advocates for North Augusta 2000, the members of the Greater Aiken Chamber of Commerce and leaders from Allendale, Barnwell, Colleton and Hampton counties. I was also honored to be one of the speakers at the opening of the SRS Curation Facility (see Page 6 and 7), a newly-renovated structure that will preserve artifacts from the Savannah River Site’s past for years to come. Best of all, I enjoyed talking with the young people at the Aiken Family Y (see Page 10). These children represent the future of SRS and our communities, either as future employees or the neighbors that we value so much.

We strive to deserve the title of “good neighbor,” as evidenced by the cleanup work recently completed in the Lower Three Runs watershed area. More than five million pounds of contaminated soil was excavated and disposed of. Please see Page 8 for more details on this significant effort.

I’m also happy to announce that, through a public/private partnership with Aiken County, the SRNS Board of Directors has approved \$3 million of corporate funding to expand the county-owned Center for Hydrogen Research, located adjacent to SRS. This expansion will make it easier for the Savannah River National Laboratory to partner with universities and private companies, and will also further Aiken County’s goal of creating jobs through the advancement of technology. Please see Page 9 for more on this exciting initiative.

I hope you enjoy this edition of “SRNS Today.” As always, thank you for your interest in Savannah River Nuclear Solutions.



*Savannah River Nuclear Solutions, LLC, is a Fluor partnership with 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 stakeholders of the company’s operational and community-related activities. If you have questions or comments, please contact us at 803.952.9584.*

**For additional information about SRNS, please visit our website at [savannahrivernuclearsolutions.com](http://savannahrivernuclearsolutions.com).**

## SRNS Board of Directors tours SRS



The SRNS Board of Directors toured the Savannah River Site (SRS) during their meeting at the Site on July 24. Pictured from left are Greg Meyer, Senior Vice President, E/N Operations, Fluor Corporation; Chris Gentile, President, Honeywell Federal Manufacturing & Technologies; Bruce Stanski, President, Fluor Government Group; Dwayne Wilson, SRNS President and CEO; Garry Flowers, President, FGG Global Services; Jennifer Curtis, SRNS Vice President and General Counsel; and Pete Diakun, Vice President and Chief Technology Officer, Newport News Nuclear.

## North Augusta 2000 begins campaign



Former North Augusta Mayor and North Augusta 2000 Foundation Chairman Tom Greene (from left), Fluor Corporation Chairman and Chief Executive Officer David Seaton, and SRNS President and CEO Dwayne Wilson recently attended the kick-off of the North Augusta 2000 Foundation's Five-Year Capital Campaign. A non-profit organization, North Augusta 2000's mission is to provide a strategic vision and initiatives to promote economic development, quality of life, education, culture and history to benefit the North Augusta community. SRNS donated a total of \$30,000 over a three-year period to the campaign. North Augusta 2000's Capital Campaign fundraising goal is \$1.5 million.

### In the community



### SRNS donates \$5,000 to Augusta-Aiken PMI

SRNS Senior Vice President for Environmental Management Operations Paul Hunt presents an SRNS donation of \$5,000 to Erika Bobbitt, President of the Augusta-Aiken Chapter of the Project Management Institute (PMI). The sponsorship funds will be used for memberships and scholarships by the organization. PMI is composed of members from many industries in the Central Savannah River Area who share a common goal to implement project management skills, tools and techniques to their work activities. The Chapter also sponsors training to help members achieve and retain their certification as a Project Management Professional.

## SRNS accomplishments outlined for Greater Aiken Chamber of Commerce

SRNS President and CEO Dwayne Wilson was the keynote speaker at the Greater Aiken Chamber of Commerce First Friday Breakfast, held at Newberry Hall in Aiken.

Wilson shared some of the company's recent accomplishments and discussed what's ahead for SRNS and SRS. The breakfast was attended by 196 business owners and community representatives.





Southern Carolina Alliance (SCA) board member Paige Carlton (from left); Dwayne Wilson; and Sabrena Graham, Hampton County Administrator and SCA board member



Superintendent of Blackville School District 19 Teresa Pope; SCA board member John Fleming; and Dwayne Wilson, SRNS President and CEO

## SRNS executives host reception in Barnwell for regional leaders

SRNS President and CEO Dwayne Wilson and other SRNS senior executives recently sponsored a reception in Barnwell for approximately 30 regional community leaders representing South Carolina counties including Allendale, Colleton, Barnwell and Hampton. The event was held August 7 at the Southern Carolina Alliance building.



Allendale Mayor Ronnie Jackson (from left); Hampton County Councilman Buddy Phillips; SRNS Executive Vice President and Chief Operations Officer Fred Dohse; and Dwayne Wilson



# Our Past Preserved

New SRS Curation Facility to store Cold War and archaeological artifacts



Photos (from top): SRS Curation Facility curator Caroline Bradford displays artifacts housed at the new facility; items at the facility range from large control panels to small commemorative items from the SRS Day of Remembrance and the Manhattan Project; surrounded by invited dignitaries, SRNS President and CEO Dwayne Wilson and DOE-Savannah River Office Manager Dr. David Moody cut the ribbon to officially mark the opening of the new facility at SRS.



*Photos (clockwise from top left)*

SRNS President and CEO Dwayne Wilson speaks to the invited guests assembled to mark the opening of the SRS Curation Facility; John Strack and Karen Bonavita inspect a model of the Heavy Water Components Test Reactor; Curator Caroline Bradford describes the collection of artifacts dating from 1950.



**The objects speak the language of the past. Control room panels from Cold War-era reactors now sealed and dark. Devices once deemed cutting-edge technologies. Tangible memories of men and women who gave up their homes or devoted their lives to a project that today continues to contribute to their legacies.**

The Savannah River Site Curation Facility officially opened its doors during August with a ribbon-cutting ceremony. With the snip of the scissors, a commitment to preserve decades of culture, accomplishments and history associated with life at the former Savannah River Plant (SRP) was fulfilled.

A joint effort among SRNS, the Department of Energy and the S.C. Institute of Archaeology and Anthropology, the SRS Curation Facility will be used to preserve and protect historic Cold War and archeological artifacts. Though not a museum, the facility features special security, fire protection and equipment to control interior temperatures and humidity. The Curation Facility has an artifact loan program designed to aid museums with exhibit materials relative to the operational history of the Site.

The 27,000 square-foot building previously served as a warehouse for the SRS M Area, where materials were machined prior to use in the former Site reactors. Most M Area buildings were removed under the SRS environmental cleanup program. The 315-M warehouse was scheduled for demolition. Under

the SRS asset revitalization concept, the Curation Facility and Cold War Historical Program found a much-needed home.

"This Curation Facility provides a home for our archeological and Cold War history programs and is a great example of asset revitalization by repurposing an old building to fit our needs. This was a smart solution and in keeping with Enterprise•SRS," said Dr. David Moody, Manager, DOE-Savannah River Operations Office.

"We are proud of the new SRS Curation Facility and its accelerated completion," said Dwayne Wilson, SRNS President and CEO. "Less than a year ago, the completion of this project was slated for somewhere around 2016. And now, we're celebrating the official opening of this unique structure at SRS."

Items collected range from 1950 to 1989, and relate to historical figures, events and technology, as well as the social history of the men and women who worked here.

Because the themes are broad, the artifacts are diverse. They range from campaign buttons worn by Manhattan Project engineers who transferred to SRP to test reactor control panels. Approximately 5,000 artifacts are currently stored at the facility. In the archaeology collection, the oldest artifacts are fragments of Native American Clovis Period projectile points, which are about 13,000 years old.

## SRNS completes Lower Three Runs project to reach major cleanup milestone



Power washers ensured the removal of any radioactive contamination clinging to heavy equipment used to remove soil near Lower Three Runs at SRS. The equipment was then radiologically surveyed to confirm acceptable release limits were met.

*“We greatly appreciate that SRNS was willing to invest the time and money into making the stream safe. They did a great job. Everything ran smoothly.”*

**Jason Houck**  
Owner of land adjacent to Lower Three Runs

**SRNS can now claim that 85 percent** of the Savannah River Site has been cleaned up with the recent completion of the Lower Three Runs Project.

Twenty miles long, Lower Three Runs stream leaves the main body of the 310-square mile Site and runs through parts of Barnwell and Allendale Counties until it flows into the Savannah River. Government property on both sides of the stream acts as a buffer as it runs through privately-owned property.

“We excavated and disposed of over five million pounds of contaminated soil from three specific sites along the stream, erected miles of fence and placed over 2,000 signs in order to make Lower Three Runs safe and to reduce our Site’s footprint by another 10 percent,” said Chris Bergren, Manager, SRNS Area Completion Projects. “Cost efficiencies obtained through the America Recovery and Reinvestment Act (ARRA) Project at SRS provided the funding necessary to accelerate this cleanup of Lower Three Runs.”

*“The cleanup actions, along with the installation of miles of fencing and signs, demonstrate SRS’s commitment to protect human health and act as a good neighbor to residents living in the area.”*

**Robert Pope**  
U.S. Environmental Protection Agency  
Lead Project Manager

According to U.S. Environmental Protection Agency (EPA) Lead Project Manager Robert Pope, “The EPA is pleased with the cleanup of hot spots of contaminated soil and sediment along Lower Three Runs. EPA worked closely with the Department of Energy, South Carolina DHEC, and SRNS cleanup crews, engineers and members of management to ensure all cleanup goals and expectations were met on an accelerated schedule,” said Pope. “The cleanup actions, along with the installation of miles of fencing and warning signs, demonstrate SRS’s commitment to protect human health and act as a good neighbor to residents living in the area.”

Because low levels of contaminants remain in soils and sediments, fishing or trespassing on DOE property is not allowed. “However, testing of the water in Lower Three Runs has shown it to be safe, with contaminant levels below EPA standards,” added Pope.

In addition to completing this project on budget and ahead of schedule, the work has provided an economic stimulus to area small businesses. “Our sub-contract workers, about 140 of them, were extremely efficient,” said Bergren. “Their work ethic, planning and equipment management was impressive, particularly considering we were working during two of the hottest months on record, right after heavy rains in May.”

Though workers encountered three of the four types of poisonous snakes found in this area at various times during the cleanup effort and labored under very difficult conditions, no one was injured.

Landowners near the stream were pleased with the results of the project. “We greatly appreciate that SRNS was willing to invest the time and money into making the stream safe,” said Jason Houck, who owns property adjacent to Lower Three Runs. “They did a great job. Everything ran smoothly.”

According to Van Keisler, Manager, Federal Remediation Section, Bureau of Land and Waste Management, South Carolina Department of Health and Environmental Control (SCDHEC), “Once again, by SCDHEC, EPA, and DOE working collaboratively together, a successful project that protects human health and the environment has been achieved.”

## SRNS, Aiken County agree on expansion of Center for Hydrogen Research facilities

**Aiken County and SRNS have reached agreement** on a corporately funded expansion plan that would add an additional 6,400 square feet of finished laboratory and support space to the county-owned Center for Hydrogen Research (CHR) facility, located in Aiken County's Savannah River Research Campus adjacent to SRS. The CHR currently houses the SRNL Hydrogen Technology Research Laboratory, a 16,000 square-foot lab complex primarily used for unclassified research into new applications for hydrogen technology.

The expansion will be privately funded via a \$3,000,000 expenditure approved by the SRNS Board of Directors. SRNL's initial 10-year lease of the space has been approved by DOE.

The expansion will add six new laboratories with flexible configurations to support growing SRNL research on advanced materials to support areas such as nuclear energy, energy storage materials and systems, solar energy materials, materials for wind and marine energy systems and carbon dioxide capture.

"This development further strengthens the good working relationship between SRNS, SRNL and Aiken County," said Dwayne Wilson, SRNS President and CEO. "All along, the intent of our company and our parent company organizations has been to strategically invest corporate dollars in ways that would enhance SRNL's competitive position."

Dr. Terry Michalske, SRNS Executive Vice President and SRNL Director, said the investment would yield multiple benefits to SRNL. "This will add to what is already a first-rate laboratory complex at the county's facility," said Michalske. "The addition of more off-site laboratory space makes it that much easier for us to partner with universities and private companies. As we continue to grow our business in the clean energy arena, it's clear that there are tremendous opportunities to build research partnerships that will be good for the region."

Ronnie Young, Chairman of Aiken County Council, said, "This is another step in furthering Aiken County's goal of creating jobs for the future through advancement of technology from SRNL. We are very appreciative of the commitment and partnership of SRNS and SRNL as we grow jobs for the future."

## Dr. Si Young Lee appointed Chair of KNS-United States

Dr. Si Young Lee of SRNL has been appointed the first chair of the newly formed Korean Nuclear Society – United States (KNS-US). The KNS-US society inauguration ceremony was held on June 25, 2012, during the 2012 American Nuclear Society (ANS) Annual Meeting.

Dr. Lee's research experience spans 30 years in nuclear thermal and fluid science. Over the years, he has developed state-of-the-art computational models for high-level radioactive waste processing and nuclear fuel material storage facilities to provide key guidelines for operational and design issues. He is an expert in fluid and heat transfer analysis, an American Society of Mechanical Engineers Fellow, and he was recently elected as Secretary of ANS Thermal Hydraulics Division.

The KNS was founded in 1960 and has played a leading role in the global nuclear community for the past 43 years. KNS has been a major contributor to the growth of South Korea's nuclear industry which is the sixth largest in the world.



Dr. Si Young Lee



## SRNL engineer honored with ASME Dedicated Service award

*Dr. Poh-Sang Lam, a senior fellow engineer with the U.S. Department of Energy's Savannah River National Laboratory, has been presented the ASME Dedicated Service Award, ASME's highest award for service as a volunteer to the organization.*



Dr. Poh-Sang Lam

*Founded in 1880 as the American Society of Mechanical Engineers, ASME is a not-for-profit professional organization that enables collaboration, knowledge sharing and skill development across all engineering disciplines. The Dedicated Service Award honors unusual dedicated voluntary service to the Society. Dr. Lam was recognized for his dedicated volunteer service for more than 10 years in promoting the principles and values of the Society's Pressure Vessels & Piping Division. He has served as the chairman of the ASME Materials and Fabrication Technical Committee, associate editor for the ASME Journal of Pressure Vessel Technology, symposium organizer for the Pressure Vessels and Piping Conferences and the ASME International Mechanical Engineering Congress and Exposition. He has been published extensively in peer reviewed technical journals and conference proceedings. He was named a Fellow of the Society in 2011.*

## Family Y thanks SRNS for supporting after-school and summer programs

In the community

### CSRA College Night slated for September 6

High school students will soon have an opportunity to meet recruiters from more than 140 colleges and universities at this year's CSRA College Night. The event will be held Thursday, September 6, from 5 to 8:30 p.m., at the James Brown Arena in Augusta. Admission is free and open to eleventh and twelfth grade students and their parents. College Night will feature scholarship drawings, financial aid seminars, an essay writing seminar, a counseling center and a career exploration center. College Night is sponsored by the U.S. Department of Energy – Savannah River, SRNS, SRP Federal Credit Union and Clear Channel Radio/Power 107.

**The Family Y of Aiken** has presented SRNS President and CEO Dwayne Wilson with a plaque of appreciation for SRNS's 2011 contribution of \$10,000 to assist the Y's after-school and summer programs. A group of summer camp participants performed for Wilson and presented him with thank you notes from 50 children who benefitted from the contribution through camp participation.

"We're able to open up doors to families that would never have the opportunity to be involved in summer camp, sports programs, membership, or living a healthier lifestyle," said Catie McCauley, Executive Director of the Aiken branch of the Family Y.

The funds provided by SRNS make it possible for children to attend summer camp and after-school programs, regardless of their financial situation. These programs help children develop in a wholesome environment where they can have fun and emerge as leaders.

The plaque presentation was held in the "Kidz Club House" room, where children of middle school age participate in summer and after-school programs. It was designed with input from the children and includes Wii® play stations, a Lego® wall, a chalkboard wall, air hockey and plenty of books. The children excitedly awaited Wilson's arrival and performed a dance to "This Little Light of Mine," before presenting their thank you cards to the SRNS president.

"It was very touching to see the children perform," said Wilson. "It is really rewarding to meet with these children and see how these camps are impacting their lives. SRNS is committed to our community and believe that children are our future. The Family Y is doing great things by teaching them to have a healthy lifestyle while improving their relational and leadership skills through summer camps, after-school programs and scholarships."

The Family Y provides a variety of programs for all ages. At the Y, no one is turned away for inability to pay. The Family Y provided over \$826,000 in 2010 in financial assistance for all YMCA programs and services to children, adults and families in need.

Photo: Children from Aiken's Family Y say "thanks" to SRNS President and CEO Dwayne Wilson.





Scenes  
of SRNS

*Mike Wiggins of SRNS drives an AutoCar HD truck as part of a Tritium Extraction Facility waste container move from E Area to L Area. (Photograph by Steve Ashe)*



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# nuclear knowledge for the nation



## Savannah River Nuclear Solutions.

We are national leaders in nuclear knowledge for the nation. We manage and operate the Savannah River Site, a 310-square-mile facility owned by the U.S. Department of Energy near Aiken, S.C.

Savannah River Nuclear Solutions operates diverse nuclear and research facilities, develops first-of-a-kind technologies, and manages infrastructure and support systems akin to those of a small city.

We're home to the Savannah River National Laboratory, an engine for growth in advanced environmental and national security technologies, as well as clean energy research.

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