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SAVANNAH RIVER NUCLEAR SOLUTIONS



SRNS Today



Dream come true

SRNS, Heritage Foundation and Aiken County cut ribbon for new SRS Museum

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Welcome

to the October 2014 edition of

SRNS Today



Carol A. Johnson

Carol Johnson
SRNS President and CEO

At SRNS, we were “seeing stars” in October. And that’s a good thing!

I’m proud to report that because of the importance our employees place on safety, SRNS was presented with our fourth Legacy of Stars award at the Department of Energy’s Voluntary Protection Program National Conference. We’ve received 13 Stars of Excellence awards and it’s all thanks to our employees and our thriving safety culture. One of those employees is Rachel Kumar, who was named a “Rising Star of Safety” by the National Safety Council. Congratulations to Rachel and all those who put safety first.

Those same employees who care so much about their co-workers also demonstrated their compassion for the community. They’ve donated over a million dollars to local United Way agencies during the 2014 campaign. That makes them all stars in my book, as well as prime examples of our United Way slogan, “People Helping People.”

SRNS is also about people helping the environment. SRNS employees have begun work on the environmental cleanup to place an ash landfill and much of the three adjacent water and ash-filled basins in a long-term, environmentally safe condition. The 90-acre parcel is located in D Area, and the work is expected to be completed in 2019. We’ll keep you updated on this project.

Finally, I was privileged to attend the ribbon cutting of the future Savannah River Site Museum on Oct. 27. Funded in part by SRNS, the museum will provide the public a glimpse into the role that the Savannah River Site played in winning the Cold War and of the lives of the men and women who made that victory possible. They made the world safer then, and SRNS continues to build upon their priceless legacy today.

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

About Savannah River Nuclear Solutions

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 stakeholders of the company’s operational and community-related activities. If you have questions or comments, please contact us at 803.952.9584 or visit our website.

www.savannahrivernuclearsolutions.com

SRNS continues its winning ways in safety with VPP Legacy of Stars and industry awards

It’s an honor that few can claim.

SRNS continues to achieve STAR status within DOE’s Voluntary Protection Program (VPP) each year. And, upon receiving Star of Excellence recognition by DOE three years consecutively, recipients are recognized for their continued safety excellence with the Legacy of Stars Award.

SRNS has received 13 Star of Excellence Awards and recently received their fourth Legacy of Stars Award at the VPP National Conference. This is the sixth time SRNS has received DOE’s highest safety honor.

“It is always gratifying to receive outside validation of our successful safety culture,” said SRNS President and CEO Carol Johnson. “But more importantly, this award reflects the care and compassion SRNS employees have not only for their personal safety, but the safety of their coworkers and community as well. It’s an honor to work with the dedicated men and women of SRNS who make our company one of the safest in this industry.”

In addition to receiving the STAR status award, SRNS added three other awards.

The South Carolina Manufacturers Alliance recognized SRNS Operations and Construction employees for outstanding safety accomplishments.

This honor was followed by the S.C. Chamber of Commerce Safety Awards ceremony where SRNS Operations and Construction employees were recognized for a commendable Lost Workday Case Rate (lost time away from work due to an on-the-job injury) during the last calendar year.

The S.C. Occupational Safety and Health Association also honored SRNS’ efforts to significantly reduce workers’ recordable occupational injuries and illnesses.

Rachel Kumar honored as ‘Rising Star of Safety’

SRNS Sr. Industrial Hygienist Rachel Kumar cares about the safety of her coworkers, so much so that her work at SRS has recently earned her recognition as a National Safety Council (NSC) Rising Star at a ceremony held at the NSC Congress and Expo in San Diego, Calif.

Kumar was one of 41 recipients to receive recognition as a Rising Star of Safety, standing with other safety professionals from as far away as Bahrain and Canada.

“These young professionals are working to address new challenges, promote a cycle of continuous improvement and create initiatives focused on measurable outcomes,” said Deborah Hersman, NSC President and CEO.

Kumar has worked to strengthen safety controls in a high hazard, 50-year-old nuclear environment. In one example, Kumar collaborated with the SRNS engineering team to develop controls that would attenuate noise levels, protecting SRNS employees from a potential auditory hazard.

For Kumar, it’s just another day at the office. “I am humbled to receive recognition as a Rising Star of Safety. I believe that every employee deserves to go home to their family just as healthy as they arrived that day, and it’s a privilege to work for a company, and with employees, that have the same values as I do,” she said.

“Rachel’s attention to detail and compassion for others is an inspiration for all SRNS employees,” said Alice Doswell, Senior Vice President, SRNS Environment, Safety, Security and Health.

shining stars of safety



Rachel Kumar



People helping people: SRNS employees give more than \$1.03 million to United Way

SRNS employees gave back to the community through another successful United Way (UW) campaign, achieving \$1.2 million, which includes the employee campaign and corporate match. To celebrate this milestone, the SRNS campaign committee invited the nine UW agencies who are designated to receive donations to a celebration at the Applied Research Center in Aiken, S.C.

During the event, campaign chair Allison Townsend presented SRNS donation checks to UW agency representatives. Among them was Sharon Rodgers, President, United Way of Aiken County.

“SRNS continues to have the largest contribution to our United Way Campaign. The level of generosity and passion for the community exhibited by the employees is amazing. Great things happen when people ‘Live United.’ This goes beyond my wildest estimate of what could be raised, and it will go towards helping a lot of people in Aiken County,” said Rodgers.

“This year’s campaign theme was ‘People Helping People,’ which represents in three simple words how employees carry on the tradition of contributing year after year, even during tough economic times,” said Townsend. “A big thank you goes to the employees who donated their time and money. I’m also grateful for the ongoing support from SRS retirees who have supported us, past and present.”

SRNS Executive Vice President and Chief Operations Officer Fred Dohse said, “I think a measure of a community’s strength is how that society treats less fortunate individuals, and I applaud the United Way agencies’ efforts throughout the CSRA. I’m also very proud of our employees, who demonstrate that, not only do we want to be contractors at the Site, but we also want to be good neighbors.”

The UW agencies receiving contributions from the SRNS Employee UW Campaign include: Aiken County; Allendale County; Bamberg, Colleton and Hampton Counties; Barnwell County; Edgefield County; Midlands; McDuffie County; Screven County; and UW of the CSRA.



SRNS employees have begun a five-year project to fully restore 90 acres in D Area by remediating approximately 1.3 million cubic yards of ash.

SRNS takes on challenge of 90-acre coal ash clean up

A mammoth, 1950s-era, coal-fired power plant now sits cold and dark in a largely closed industrial area at SRS. The powerhouse may be quiet and still; however, nearby, SRNS employees are rapidly preparing for the cleanup of huge quantities of ash, generated over the decades by the same facility.

“Coal ash represents a potential risk to human health and the environment,” said Chris Bergren, Director, Environmental Compliance and Area Completion Projects. “Cleaning up this particular site is in the best interest of the environment, SRS and the state of South Carolina. This is particularly true given the age of the earthen berms created to make the pond-like basins historically used to store the ash.”

SRNS personnel will use their extensive experience and specialized knowledge involving environmental cleanup to place an ash landfill and much of the three adjacent water and ash-filled basins in a long-term, environmentally safe condition. A portion of this 90-acre cleanup site will also be graded and formed into a storm water collection area.

Full restoration of the 90 acres, located in D Area at SRS, is expected to take five years. Removing tens of millions of gallons of water in the basins is now taking place.

The next phase will involve heavy equipment used to consolidate approximately 1.3 million cubic yards of ash within two designated locations at the work site. Clean fill dirt will then be placed in the basins and on the ash landfill.

Once ash consolidation is complete, two layers of clay will form a water impermeable barrier that will be covered by nearly two feet of new soil and planted with grass to finish the remediation process. The project is expected to be completed by June of 2019.

Since becoming the management and operating contractor at SRS in 2008, SRNS has achieved the cleanup of 85 percent of the Site’s area to industrial standards with approval from local and federal regulatory agencies.

SRNL-developed technology reduces cost to capture carbon

SRNL has signed an Exclusive Rights Agreement with Partnering in Innovation, Inc. of Orlando, Fla., in support of new carbon capture technology. Originally developed at SRNL, this approach helps open global markets for cost-effective industrial carbon dioxide capture and re-use.

This technology captures carbon dioxide emissions from industries, allowing the gas to then be used to collect more oil from known reservoirs in an environmentally safe manner. The process overcomes the significant cost limitations of standard methods.

“This is a new aqueous approach to carbon capture that uses

standard processes and components in a novel configuration,” explained SRNL Principal Technical Advisor Gerald Blount. “The process is non-hazardous, carbon-neutral, scalable and easier to implement than competing capture systems. From an investment perspective, the projected near-term returns are excellent.”

“This technology reduces the cost of post-combustion capture by more than 50 percent over most current and emerging technologies. It will help enhance oil recovery and simultaneously reduce global greenhouse gas emissions. It will also allow for the recovery of more oil from known reservoirs and promote energy security,” said Blount.



SRNS Boss of the Year

Deanna Goodlove (left) is recognized as the 2014 Savannah River Nuclear Solutions (SRNS) “Boss of the Year” by SRNS President and CEO Carol Johnson at the annual awards program on Oct. 15. Goodlove was nominated for her involvement in the community and for her overall accomplishments as the iNTel Systems Engineering manager. The “Boss of the Year” program is hosted by the Special Emphasis Program Committee, which includes the Department of Energy-Savannah River Operations Office, SRNS and other SRS contractors and agencies.



Dwayne Wilson, Fluor International (from left); Carol Johnson, SRNS President and CEO; Dr. David Moody, DOE Savannah River Operations Office Manager; Walter Joseph, Executive Director of the SRS Heritage Foundation; Paula Joseph; Ronnie Young, Aiken County Council Chairman; and U.S. Congressman Joe Wilson cut the ribbon for the new SRS Museum in Aiken, S.C.

SRNS, Heritage Foundation and Aiken County hold ribbon cutting for long-awaited SRS Museum

Officials from the SRS Heritage Foundation, Aiken County and SRNS gathered for a ribbon-cutting ceremony to launch the new SRS Museum.

“The purpose of the SRS Museum is to tell the stories of those who spent their careers working to win the Cold War, celebrate the technical and scientific achievements of SRS employees over the past six decades, and show the impact on the CSRA by the huge influx of people moving to the region to work at the Site. This museum represents more than 10 years of planning, and I want to extend my thanks to Aiken County for providing the Dibble Library building for the museum and Savannah River Nuclear Solutions for helping the SRS Heritage Foundation get the museum off the ground,” said Walter Joseph, Executive Director, SRS Heritage Foundation.

The museum will officially open to the public in 2015. According to Joseph, there are many great resources already available about the history of the Site, and this museum will further illustrate the valuable work and missions that SRS employees have accomplished.

“Aiken County is proud to come together with the SRS Heritage Foundation and Savannah River Nuclear Solutions to share an important part of Aiken County’s history. With its location on Laurens Street, the museum will be an accessible resource for Aiken County residents and visitors alike who want to learn more about the Site’s unique history,” said Ronnie Young, Aiken County Council Chairman.

Following the ribbon-cutting ceremony, representatives from the SRS Heritage Foundation gave tours of the building and described the upcoming museum exhibit themes.

“This museum will give visitors an opportunity to travel back in time to see what it would’ve been like to live in Aiken during the Cold War. The generations of SRS workers will not be forgotten because of the efforts of the SRS Heritage Foundation and the generosity of Aiken County for providing the Dibble Library building for the museum,” said Carol Johnson, SRNS President and CEO.

The SRS Museum is located at the former Dibble Memorial Library at 224 Laurens St., SW, Aiken.

Teachers tour SRS as part of National Science Week

Dozens of area educators recently participated in a “mobile seminar” while visiting major facilities at SRS and learned about a wide variety of nuclear-related occupations and missions. The tour included visits to SRNL, Defense Waste Processing Facility, the Environmental Bioassay Laboratory, and the Mixed Oxide Facility.

“The goal of this unusually extensive tour was to demonstrate how what’s learned in the classroom today will later apply to jobs at SRS, Plant Vogtle and other nuclear-based corporations found in the greater Aiken-Augusta area,” said Kim Mitchell, SRNS Education Outreach.

“This tour, which is a part of National Science Week, helps our teachers develop the training and education programs that are needed right here in the community,” said Nuclear Workforce Initiative Program Manager Mindy Mets.

Photo: Brian Spensley of Aiken High School and Kristin Wells of Greendale (New Ellenton, S.C.) Elementary School, at the tour.



SRNS, Claflin sign scholarships and internship agreement

SRNS entered into a memorandum of understanding (MOU) with Claflin University (CU) recently, funding ten \$2,500 scholarships and agreeing to provide additional resources to include on campus seminars and, potentially, internships at SRS.

In addition, the agreement calls for support to be provided to CU faculty by tapping the broad knowledge base and extensive science and engineering expertise found at SRNS.

“We are pleased to partner with SRNS and appreciate its willingness to provide financial support for our students,” said Dr. Henry Tisdale, President, Claflin University.



Dr. Henry Tisdale

“SRNS is recognized as a leader in the industry and this partnership will offer significant opportunities for the university. We look forward to ensure that our students will graduate optimally prepared for rewarding careers within SRS, as well as local industry and businesses,” he said.

Unlike many MOUs developed between companies and universities, the resources contained in this MOU are highly diverse. The list of goals includes scholarships, possible internships, a career development seminar, curriculum reviews, participation in CU career fairs, SRS tours and potential research partnering.



SRNS guide Dale Cullom (right) describes deer stand hunt locations to U.S. Army veteran Charles West (center) and his son, Mark West.

Mobility-impaired hunters participate in SRS event

Thirty physically disabled hunters recently participated during SRS’ 14th annual deer hunt for the mobility-impaired and fifth annual Wounded Warriors deer hunt.

“For physically-impaired hunters, this event provides a unique opportunity, all within a safe, highly controlled environment containing a large deer population,” said Joe Solesby, SRNS employee and program manager for the Site’s deer hunts.

SRS offers over 150,000 acres of pristine, government-owned forest to be hunted each year. The hunt helps control the SRS deer and hog population.

SRNS manages the hunt and provides sponsorship in conjunction with DOE, the USDA Forest Service—Savannah River, Rocky Mountain Elk Foundation and the Wheelin’ Sportsman National Wild Turkey Federation.

SRNL’s Brisson receives award for nuclear fuel cycle contribution

SRNL’s Mike Brisson has received the Harlan J. Anderson Award from ASTM International Committee C26 on Nuclear Fuel Cycle.

An ASTM member since 2005, Brisson chairs the C26 subcommittees on Methods of Test and Quality Assurance, Statistical Applications and Reference Materials.



Mike Brisson

He also chairs a committee on Air Quality and its Quality Control subcommittee, and works on committees on Metal Powders and Metal Powder Products, Performance of Buildings and Quality and Statistics.

Brisson has been recognized with other ASTM awards, including the President’s Leadership Award, the D18 Richard S. Ladd Standards Development Award and the Award of Excellence from the ASTM Committee on Publications.

As a leading researcher in the field of beryllium sampling and analysis, Brisson specializes in analytical chemistry, and has experience in environmental, worker protection and nuclear analysis methods.

Established in 1898, ASTM International provides a global forum for development and publication of international voluntary consensus standards for materials, products, systems and services.



Isakson staff tours SRS

Staff members of U.S. Senator Johnny Isakson, including the Chief of Staff and Legislative Director, recently visited the Savannah River Site. Their visit included a briefing on the Savannah River National Laboratory, and a tour of the Site, including H Canyon.

We make the world **safer.**

SRNS

Developing innovative approaches
to nuclear materials challenges

Supplying tritium for our country's
nuclear weapons deterrent

Securing nuclear materials
to prevent unwanted proliferation

Transforming nuclear materials
into assets and stable wasteforms



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