

● NOVEMBER 2014

SAVANNAH RIVER NUCLEAR SOLUTIONS

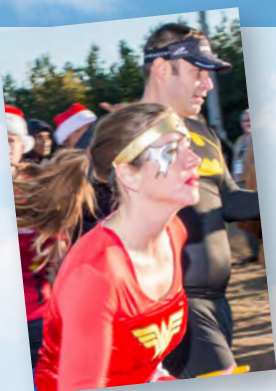


SRNS Today



National Nuclear Science Week

Exploring the fun side of science



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Welcome

to the November 2014 edition of

SRNS Today



Carol A. Johnson
Carol Johnson
SRNS President and CEO

Whether your idea of a great Thanksgiving is feasting or football, the holiday allows us time for gratitude, time to tell our family and friends how much they mean to us each day, not just on one day each year.

When I meet with our SRNS employees, look into their faces and hear their words, I know these people have enormous responsibilities—to the Savannah River Site, to our company, to each other and the community—and how seriously those responsibilities are carried out. Their hard work and commitment make our world safer every day, and that's a great deal to be thankful for.

In November, our employees participated in National Nuclear Science Week, helping students to see that science can be fun. SRNS also visited the South Aiken High School welding class to describe the role they might play in the future of SRS. These young people are the future, and whatever career path they may be interested in, SRNS provides opportunities for them to discover their strengths and focus their dreams.

Although progress in SRNS operations continues throughout the year, November and December focus our thoughts on our neighbors whose holidays may not be as bright as ours.

SRNS employees are taking the time this month to raise funds for Toys for Tots. In addition to the bake sales and silent auctions, the annual "Race for Bikes, Walk for Trikes" competition brings out our employees in friendly rivalries (and costumes) to raise money for this worthy cause. This year, they set a new record for fundraising with this event, and probably for the costumes, too! Please see Page 6 for photos and the story.

By the time you read this, November will have transformed into December, with all the bustle and beauty the season brings. I hope you'll remember to drive safely on your travels at home and away, and to give your loved ones the gift of a safe and healthy you!

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



spark of dreams

hot future forecast
for student welders



The future is as bright as the sparks flying in the welding class at South Aiken High School (SAHS), according to SRNS Executive Vice President and Chief Operations Officer (COO) Fred Dohse, who recently spoke to dozens of welding students about the important role they might play at SRS some day.

According to Dohse, within the next five years a significant percentage of the Site population is expected to become eligible for retirement, opening career paths for many of the students attending the information session.

After discussing the need for qualified welders at SRS, Dohse encouraged the students to also consider applying for positions at SRNS as production operators and radiation control technicians. Both Aiken Technical College and Augusta Technical College offer degrees for nuclear workers.

Dohse explained that SRNS has hired approximately 400 new employees this year alone, creating an opportunity for knowledge transfer between veteran employees and new hires.

"What we do at the Savannah River Site is make the world safer. And, I need people I can count on to help execute that work scope," said Dohse. "In fact, I expect we will continue to hire new employees each year at SRS as needs arise."

"The greatest gift any generation can give the next generation of Americans is opportunity," added Dohse. "And, I think we are about to give that to you with the return of manufacturing jobs to the U.S. If you work hard, and if you practice the craft of welding and are good at it, I think your future is very bright."

Junior Tori Shekastehband, one of two SAHS women currently venturing into what has been largely a male-dominated occupation, agreed that welding requires finesse and control, an area where women can excel. "I'm sure the points he (Dohse) made today had an impact on us. I know his talk now has me considering working at the Site more than I had planned," said Shekastehband. "I'm seriously considering earning a major in welding and minor in business."

"I believe Mr. Dohse's visit proves that he really cares about the future of the country and our community," said SAHS welding student Robert Proctor. "I also believe, with so many SRS employees retiring, we can be the ones to help ensure the future of the Savannah River Site."

Photo: Students Robert Proctor and Tori Shekastehband observe welding instructor Oscar Rushton as he explains to SRNS Executive VP and COO Fred Dohse (right) how the students are initially taught to weld using pieces of donated scrap metal, which the program needs continually.



Helping Habitat SRNS and other participants recently gathered for a groundbreaking ceremony in Belvedere, S.C. for a new home sponsored by Habitat for Humanity of North Augusta (HFHNA). SRNS made a corporate donation of \$1,500, which will go toward building materials for the home. In attendance were Rechelle Dallas, chair-elect, North Augusta Chamber of Commerce (left); Roy Kiser, senior adult pastor, First Baptist Church of North Augusta; Fred Dohse, Executive Vice President and Chief Operations Officer, SRNS; Toronda Weaver, homeowner; Amy McGhee, community relations, PotashCorp; Wayne Murphy, lot donor; and Tom Eilers, President, HFHNA.

Analytical Labs safely replaces damaged coils

SRNS has safely completed replacement of 68 heating and cooling coils damaged in the January 2014 sub-freezing temperatures in order to maintain critical operations in the Site's primary production support laboratory in F Area.

SRNS experienced a steam outage that lasted for several days, resulting in the failure of 68 cooling water and steam system coils, as well as domestic water, fire water and steam piping in the two analytical buildings located in F Area. Numerous analyses are performed in these labs on waste and process control samples to ensure processing standards are being maintained.

"Much of the work that is performed in the lab is sensitive to indoor environmental conditions," said Robert Becton, SRNS project lead. "If inside temperature or humidity levels in the lab module were to get too high or too low, the analytical instruments could potentially be affected. So, we were challenged to get the cooling coils replaced before the heat of the spring and summer."

Several different departments, including Operations, Engineering, and Procurement, worked alongside Construction to ensure success.

Becton said, "We could not have completed the task without the cooperation of all the different departments. Analytical specialist

employees monitored indoor temperatures, prioritized lab modules and relocated lab equipment to allow completion of coil replacement. There were numerous scaffolding locations requiring overhead work for the coil replacement. Sample analysis and construction activities required extensive planning so that the two could be completed simultaneously."

Becton added that replacing the coils was no easy task. Six coils were located in the 772-1F second level mezzanine and weighed over 1,200 pounds each. Thirteen coils were over 900 pounds each and inside units on the roof of 772-F.

The Savannah River National Laboratory's Analytical Laboratories have supported SRS operations for more than 55 years, providing high quality analytical, radiometric and environmental monitoring data. Since the mid-1950s, the labs have provided a diverse array of scientific and technical services in support of Site missions.

The labs maintain certifications and qualifications through a variety of governing bodies, which allow multiple applications of laboratory services. Over 100,000 samples are processed yearly, producing 300,000 determinations with an error-free rate averaging 99.99 percent.

Information Pods coming to Augusta

Curious about the Savannah River Site? In January, you'll have the chance to find out about some of the major missions at SRS and Savannah River National Laboratory.

The SRS Information Pods will be held Jan. 28, 2015, at Georgia Regents University. Participants at the Information Pods may select two of the following four presentations to attend: Nuclear Materials Management, Environmental Monitoring and Restoration, Waste Management and Savannah River National Laboratory.

Registration will begin at 5 p.m. on the day of the event and is on a first come, first served basis. Poster displays will also begin at 5 p.m., with presentations beginning at 6 p.m. and concluding by 8 p.m. The event is free of charge.



Bill Wabbersen of SRNS (center) helps Abbeville High School students assemble the Isotope Discovery Kit at the Ruth Patrick Science Education Center.

The Fun Side of Science In celebration of National Nuclear Science Week, SRNS employees shared the fun side of science with area students. Employees led area middle and high school students in a "Journey to the Center of the Atom," guiding them as they explored atomic structure, using an interactive nucleus display and a Living Periodic Table. Along with SRS retirees representing Citizens for Nuclear Technology Awareness, the SRNS employees conducted hands-on learning sessions at the Ruth Patrick Center with students from Victory Christian School and Abbeville High School. They also conducted sessions with students at South Aiken High School and sessions at Georgia Regents University for students from various schools. National Nuclear Science Week was coordinated locally by USC Aiken's Ruth Patrick Science Education Center and the SRS Community Reuse Organization's Nuclear Workforce Initiative. The week is celebrated annually across the country to encourage and bring awareness of nuclear technology and the many careers available within nuclear technology and other high-tech industries.



Even without costumes, Siobhan Kitchen and Brad Bohr had fun for a good cause.



SRNS firefighters ran in full gear during the annual race.

From superheroes to firefighters, employees ‘Dash for Bikes, Walk for Trikes’



Wonder Woman (aka Teresa Eddy) was a member of the SRNS “Fantastic Five” superheroes team that powered their way into second place.

Employees of SRNS combined fun with competition to create a race like no other. The “Dash for Bikes, Walk for Trikes” relay race, held on Nov. 20, annually raises thousands of dollars for the SRS Toys for Tots campaign.

According to event founder and SRNS environmental geologist Jeff Ross, this was the fourth “Dash for Bikes, Walk for Trikes” race held at the SRS running track. “From year to year, you’ll see teams with their own costume themes ... Trekkies, eggheads, super heroes, and elves, for example, all racing each other. We typically have four or five members per team running a total of 10 laps, using a toy as a relay baton,” said Ross. “It’s all for a good cause, having raised \$8,500 over the last several weeks for this unique track meet.”

With a field of eight team, this year’s race set a new fundraising record, with enough to buy about 150 bikes and trikes.

The SRNS “Fantastic Five” claimed second place, while the SRS security contractor, WSI Savannah River, won the 2014 trophy.

“We’re doing this for the kids. It’s such a good cause,” said Chelsea Maxwell, member of the winning team, Santa’s Security. “We ended up raising over \$3,000. This event is a lot of fun, and we’re very competitive.”

During the 2014 holiday season, many children throughout the greater Aiken-Augusta area will be elated to have a new bicycle or tricycle for Christmas.

“Last year, more than 140 bikes were purchased with the proceeds from this crazy race. I’m so thankful to all those who have contributed time, money and a lot of energy, to make this event a success,” added Ross. “This event is one fundraiser of many that SRNS sponsors to support the Marine’s Toys for Tots program, which helps local underprivileged children.”

Mid-Career Professionals recognize volunteers in outreach projects

The Aspiring Mid-Career Professionals (AMP) Outreach Steering Committee members recently held a recognition event for AMP members who had volunteered their time to outreach events.

Recognition was given to those who had attended three or more AMP outreach events, such as Science Education Enrichment Day (SEED) at USC Aiken, the Ronald McDonald House Plane Pull, Buddy Baseball and Project Vision for the Children’s Advocacy Center of Aiken.

“My co-chair Teresa Eddy and I felt like it was important to recognize our volunteers that went above and beyond,” said Leah Stanley, outgoing AMP Outreach Committee co-chair. “We decided to do a new event this year, and we were overwhelmed by the amount of support our volunteers gave.”

The top recognition went to David Tacchi, Shift Technical Engineer, H Canyon, for his significant participation in community outreach. SRNS Executive Vice President and Chief Operations Officer Fred Dohse and members of the AMP Steering Committee presented the award to Tacchi. “I’m happy to work for a company that supports giving back,” Tacchi said.

Stanley said that SEED, Tacchi not only took the lead on organizing the AMP volunteers, but also built an exhibit in his spare time to share with the kids.

AMP focuses on professional development and business awareness specific to SRNS, providing employees with career development tools, networking opportunities and increased visibility. AMP members are full-time SRNS employees who have between five and 20 years of work experience.



David Tacchi

SRNS LEAP organization marks four years of development and community service

Leaders Emerging Among Professionals (LEAP) recently celebrated four years as the early-career professional group at SRNS.

LEAP is a developmental program for professionals in the early stages of their careers. With a focus on business awareness specific to SRNS, LEAP provides early-career professionals with networking events, professional development, community involvement and increased visibility with management.

Since its founding in October 2010, LEAP has hosted more than 100 networking, professional development and community outreach events for its members. Full-service employees who graduated in 2007 or later and have, at a minimum, an associate’s degree automatically become eligible for LEAP when hired at SRNS.

“Whenever you’re new to an organization, it can be challenging to meet new people and learn about the company, especially at SRS because it’s so vast. So far, LEAP has allowed me to become more involved at work,” said Matthew Brantley, HB Line systems engineer. “This organization is something I can share in common with other young people on site, even though we may work in different fields. We may not work for the same people or work in the same area, but I can find a common thread with others through LEAP.”

Candice Dermody, Manager, SRNS Talent Management and Education Outreach, is a management sponsor and has seen the organization grow since it was established.

“LEAP provides an avenue for early-career employees to gain leadership experience and to learn about the company’s culture. This heightened awareness of opportunities will help increase their desire to remain with the company and develop them into the future leaders of SRNS,” said Dermody.



Carolina Thunder 14

SRNS provided SRS coordination for Carolina Thunder 14, a military exercise with the 1-118th Combined Arms Battalion, South Carolina Army National Guard. The joint training exercise was held Nov. 15, using remote areas of the Site. Pictured are U.S. Army soldiers assigned to South Carolina Army National Guard, dismounting from CH-47 Chinooks during the air and ground drill operations. (Photo by S.C. Army National Guard)

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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