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SAVANNAH RIVER NUCLEAR SOLUTIONS



SRNS Today

Reducing inventory

HB Line moves closer to safe layup of facility



This month

NNSA job fair • Tritium D&D • Recruitment • Job shadowing • Safety award





Stuart MacVean
SRNS President and CEO

Welcome

to the February 2019 edition of

SRNS Today

Across the Savannah River Site, you'll find an elite workforce and one-of-a-kind facilities for our nation's nuclear materials programs. We also have the adaptability in these facilities to sustain future missions that will help make the world safer.

This month, HB Line personnel successfully completed the task of reducing the inventory of hazardous materials. After the production of plutonium oxide in HB Line was suspended last year, SRNS was directed to place the facility into "safe layup," while preserving the capability for reuse by performing easily reversible activities in the HB Line facility.

Savannah River Tritium Enterprise (SRTE) recently finished the deactivation and decommissioning of 232-1H, a significant step in the overall program of modernization of the SRTE facilities, ultimately leading to construction of the Tritium Finishing Facility, which is scheduled to start preliminary design in fiscal year 2021.

SRNS employees are continuing to build our workforce of excellence through hosting job shadowing programs, revamping our recruiting strategies and by recently attending the National Nuclear Security Administration's first enterprise-wide job fair.

I hope you enjoy reading about some of the exciting work underway at SRS, and as always, thank you for your interest in 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 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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HB Line reduces hazardous material inventory, moving closer to safe layup



The HB Line facility is located on top of H Canyon at SRS.

The HB Line facility at SRS has recently completed reducing the inventory of hazardous material as part of safe layup of the facility.

HB Line has most recently been used to produce plutonium oxide. In 2018, DOE decided to suspend that activity and directed SRNS to put the facility into safe layup while preserving the capability for reuse by performing easily reversible activities. As part of these activities, HB Line was directed to reduce the inventory of hazardous materials in the facility by flushing vessels used in oxide production.

"Reducing inventory allows for more stable plant conditions and minimizes associated surveillances," said DOE Nuclear Materials Manager Maxcine Maxted. "We appreciate the safe and efficient work done by SRNS to help reduce the inventory in HB Line and move closer to layup status."

Nine tanks used in chemical processing have been flushed. Flushing involves a coordinated series of non-radioactive solutions being added to the tanks. When solution transferred forward through the



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Amanda Barnes



processing line, the bulk of hazardous material contents were also transferred forward into a holding tank in the adjacent H Canyon facility. Flushing continued until each tank contained less than 0.5 grams of plutonium. The material now located in H Canyon will be safely dispositioned.

"This was difficult work performed by a group of dedicated employees," HB Line Deputy Facility Manager Amanda Barnes said. "We are proud to be a part of HB Line and the work that has been done here."



A cross-organizational SRNS project team stands at the site of 232-1H, a former warehouse inside the Tritium facility at SRS. The former 232-1H is "ghosted" in the photo.

Saying goodbye to 232-1H

D&D of building makes way for construction of Tritium Finishing Facility

Savannah River Tritium Enterprise (SRTE) recently finished the deactivation and decommissioning (D&D) of 232-1H, a significant step in the overall program of modernization of the SRTE facilities, ultimately leading to construction of the Tritium Finishing Facility (TFF), which is scheduled to start preliminary design in fiscal year 2021. The D&D was a joint effort among Environmental Compliance & Area Completion Projects, Site Subcontract Technical Support, Contracting, Project Management and SRTE.

"This was the first building in many decades to be torn down at Tritium," said Jeff Westergreen, Acting Business Director of SRTE. "It signifies how SRTE is eliminating our old, Cold War-era footprint as we prepare for future missions and an increased production period." Two other Cold War-era buildings are currently being deactivated so that decommissioning can take place over the next few years.

The workload that SRTE is facing in the coming years calls for new and updated facilities in order to meet ongoing national needs. Newly developed gas transfer systems exercise older processes beyond what they were designed for, and the age increases risk to the business. In 2015, the TFF line items project was launched

to construct up-to-date infrastructure to meet the increased needs as well as current safety standards. This project is the final step in providing new infrastructure so that all Cold War-era buildings can be deactivated just like 232-1H.

The D&D of 232-1H, which was built in the 1950s, involved tearing down the building that once housed construction employees and a fabrication shop. This paves the way for TFF, scheduled to start in fiscal year 2021, to replace the H Area Old Manufacturing (HAOM) Facility, the largest and oldest process facility in the Tritium area, also circa the 1950s.

The SRS Cold War Preservation Program was notified as part of the pre-job planning by SRTE employees. As this building is considered part of the Site's Cold War National Register of Historic Places Historic District, it was photographed and documented by a site historian prior to demolition. In addition, the site curator identified and collected artifacts to accept into the Site's Cold War collection stored in 315-M.

232-1H was brought down in July 2018, and the project was certified as environmentally complete in December 2018.

SRNS at NNSA Job Fair



The National Nuclear Security Administration (NNSA) held its first job fair on Jan. 31 in Arlington, Va. An estimated 1,700 candidates attended the major hiring event, featuring representatives from each of NNSA's locations across the country to fill both federal and contractor positions. Representing SRNS were Rob Crosby, Senior Technical Advisor and Chief of Staff, NNSA Savannah River Field Office (left); Ben Walker, SRNS Design Engineering; Roxanne Jump, NNSA Savannah River Field Office; Mark Davis, SRNS Deputy Vice President for NNSA Operations and Programs; Linda Van Antwerp, SRNS Manager, Human Resources, NNSA Operations and Programs; Jeannice Malave, NNSA Savannah River Field Office; Nate Diakun, SRNS Talent Acquisition and Development; and Nicole Nelson-Jean, Manager, NNSA Savannah River Field Office.

SRNS develops hiring strategy to attract health, safety professionals

SRNS recently developed a recruitment strategy to identify talent at colleges and universities to fill positions in industrial health and safety.

Jobs for health and safety professionals are in high demand. According to the Bureau of Labor Statistics, employment in these professions is forecasted to grow up to 10 percent by 2026, faster than the average for all occupations.

"SRNS must have qualified health and safety professionals to achieve our missions. To stay ahead of our critical need, we spearheaded partnerships with accredited post-secondary schools to bring us face-to-face with upcoming graduates looking to start meaningful careers," said SRNS Health and Safety Manager Cindy Lunsford.

The SRNS recruitment strategy was first delivered to occupational safety and health students at Murray State University (MSU) in Murray, Ky., where SRNS health and safety professionals and recruiters were welcomed into classrooms to present an SRS overview and provide soon-to-be graduates with career opportunities.

SRNS was able to offer employment to one qualified candidate while at MSU. The recruitment team has also reached out to



Wim Lewis, Principal Safety Engineer, SRNS Site Services, discusses OSHA (Occupational Safety and Health Administration) guarding requirements for a pedestal/bench grinder in 717-F to SRNS employees Zach Bogard and Wes McGuire, who are recent graduates of Murray State University.

the University of Alabama at Birmingham and will be exploring opportunities to visit East Carolina University in Greenville, N.C., and Embry-Riddle Aeronautical University in Daytona, Fl.

To date, SRNS has filled five entry-level occupational safety and health positions based on their visit to MSU and has additional vacancies in process. Additionally, the company was able to fill three senior-level occupational health and safety positions during the same time frame.



SRNS President and CEO Stuart MacVean addresses members of the Mentor-Protégé Program at a quarterly continuous improvement event.

SRNS continuously improves Mentor-Protégé Program

SRNS recently continued its pinnacle program, the Protégé Center of Excellence (CoE), at a quarterly event.

The quarterly event was supported by DOE-HQ Program Manager for the Mentor-Protégé Program (MPP) Mark Lochbaum, who provided the protégé companies with his vision for the MPP and their impact to DOE goal success. “We are working together to drive the success of this program. The Center of Excellence is definitely a step in the right direction,” he said.

SRNS Executive Vice President and Chief Operations Officer Dennis Carr also spoke to the protégés, telling them that SRNS was committed to their success.

P.K. Hightower, SRNS Corporate Manager of Continuous Improvement, provided Lean Six Sigma training to help protégés drive improved efficiency, increased speed, better quality and cost savings into protégé processes. Finally, the protégé companies leveraged their experiences to discuss expectations from the CoE.

SRNS currently has four approved protégé companies: UDR Consulting, Inc. (staffing); ML Builders, LLC (construction); Strativia Inc. (IT Solutions); and US&S Inc. (facility management).

The CoE is a complex-leading forum for the development of protégés under the SRNS Mentor-Protégé Program, a DOE initiative designed to encourage and assist small businesses to enhance their capabilities to perform subcontracts throughout DOE.

Barnwell, Allendale school administrators tour SRS

Sixteen school administrators from Barnwell and Allendale counties recently took a special SRS tour that reinforced career opportunities offered on site.

With an increasing number of employees reaching retirement, SRNS is steadily looking for new employees to fill the positions that will continue to staff SRS missions.

School superintendents, principals, career specialists, guidance counselors and the career center director from both Barnwell and Allendale Counties learned about the present and future demand for employees, as well as the education and skill levels needed to fill those positions.

Administrators also learned about local technical college and university partner programs and were given the opportunity to tour both the Radiation Protection Training Area and SRNL.



Principal Training Specialist Ben Blue offers school administrators a tour of the Radiation Protection Training Area during a recent special tour.



South Aiken High School student Kayla Meyer recently experienced life as a nurse in an industrial setting while observing Rozzie Ott, RN, at the SRS Medical Facility in N Area.

Students explore career options while shadowing SRS employees

Area high school students recently experienced how classroom education intersects with the working world during a day of job shadowing at SRS.

“The goal of the program is to ensure that each student, when he or she leaves the site, feels more confident about their decision to pursue a particular career or field of interest,” said Gladys Moore of the SRNS Education Outreach program. “We want this experience to have a positive impact on all involved—the student and the mentor—even if the end result is the student now believes another type of job needs to be explored instead.”

To date, most participants in SRS job shadowing have been interested in the field of engineering, though there are hundreds of different occupations at the site.

“February is Job Shadow Month for us; however, we provide the opportunity to shadow site employees throughout the school year,” Moore added. “We devote the resources needed to give students an up-close and personal insight into the job they would one day like to fill.”

South Aiken High School student Kayla Meyer recently spent a day with SRS medical personnel, observing procedures, health-related testing and equipment calibration.

“My time at SRS was valuable and the people there were great,” Meyer said. “This learning experience will help me decide which nursing field to choose. Right now, I think it will be emergency medicine.”

The DOE-Savannah River Operations Office provides a variety of science and literacy outreach programs with the goals of drawing interest in science, mathematics, engineering and technology (STEM) and improving education in the Central Savannah River Area.



SRNS President and CEO Stuart MacVean recognized Michael Miller, SRNS Tritium Production Operator, at a recent SRNS President's Safety Council meeting.

SRNS employee honored with Fluor lifesaving award

SRNS employee Michael Miller was recently honored with the Fluor Silver Medallion Award for using lifesaving training he received at SRS to save a choking victim at a local restaurant.

Working in SRTE, Miller has received ongoing operational safety training, but he had a desire to learn more. He volunteered to take CPR and first aid training offered at SRS where he learned how to deliver the Heimlich maneuver to a person who is choking.

Little did he know when he entered a local IHOP that his training would be put to the test. While eating his meal, Miller noticed another patron choking on food.

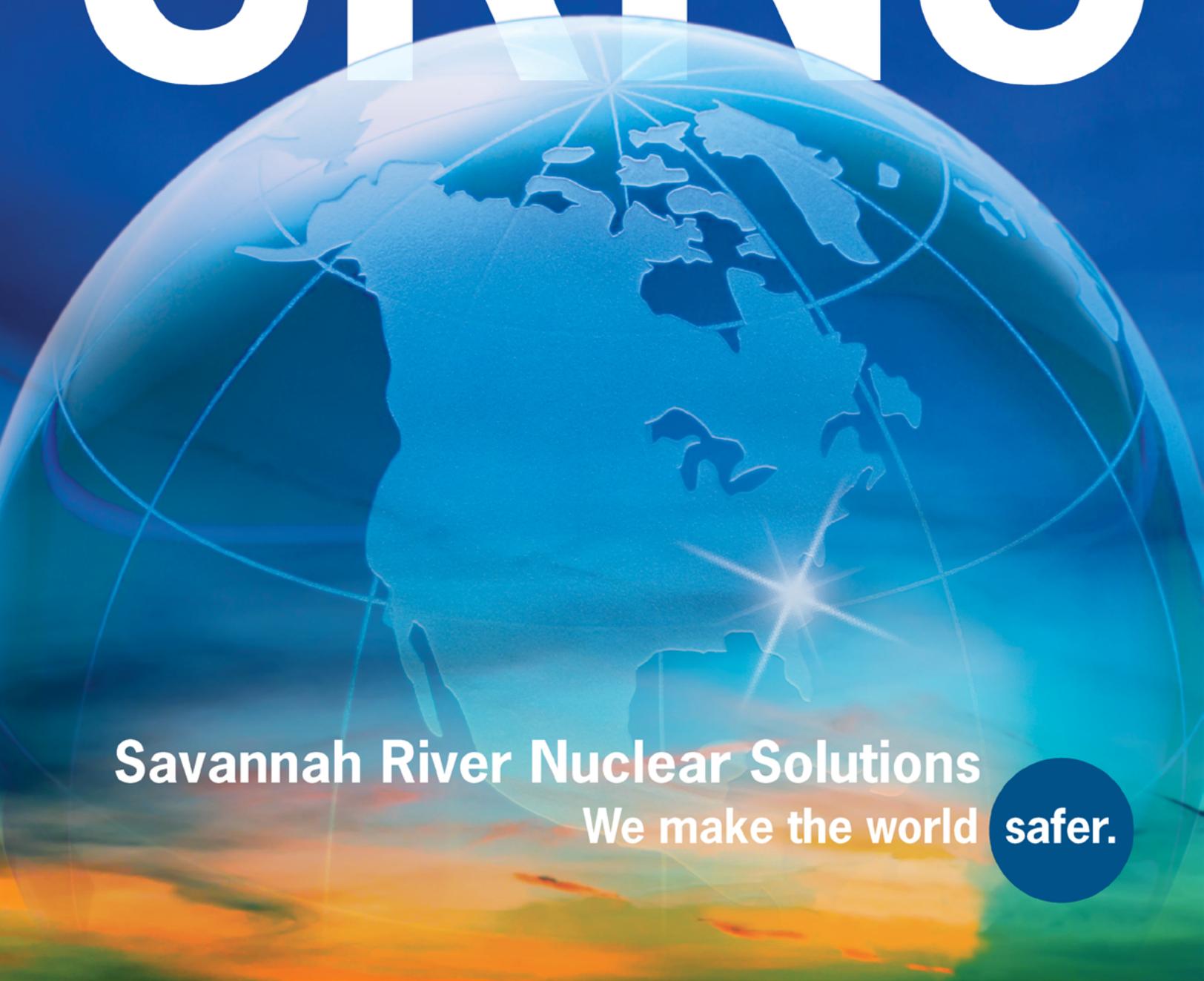
“I was simply in the right place at the right time to help make a difference,” said Miller. “My experience was one that I definitely would not have been prepared for if it wasn't for the training that SRS provided to me. I was able to have the basic understanding of how to perform the Heimlich maneuver and the confidence to take charge in the heat of the moment. Luckily, all turned out well and the gentleman was able to leave just as he came.”

To increase the number of trained employees within the company, SRNS recently partnered with the American Heart Association to offer hands-only CPR to workgroups across the site.

“It is always rewarding to see our employees carry our strong commitment to safety home with them,” said Stuart MacVean, SRNS President and CEO.

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We make the world safer.