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SAVANNAH RIVER NUCLEAR SOLUTIONS

SRNS Today



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Welcome to the January 2014 edition of SRNS Today



Dwayne Wilson
SRNS President and CEO

**Perhaps it's a shining plaque,
a name carefully engraved and mounted
on rich wood. Maybe it's a certificate,
neatly framed and ready for a place of honor.
Or a national magazine story and photograph,
bold headlines announcing recognition
for accomplishments.**

No matter the form, these acknowledgements are tangible gestures that say, "Yes. You have achieved something remarkable."

But acknowledgements do not materialize on their own. They grow from actions.

Actions that have saved lives. Spared a co-worker an injury or made a workplace safer for others. Actions that have furthered humanity's knowledge of science and technology. Created a cleaner environment for generations to come. Actions that have inspired others, to achieve something newer, better, smarter, safer.

It's a great feeling to be presented with an award. But the better feeling is knowing that you've done your part to improve the world around you. Knowing that your actions may have influenced someone else, someone you may not even know, to do the same.

Each day, I'm proud that I work with people whose actions for good are acknowledged. Each day, I'm proud that our employees join me in proclaiming that "safety and security begin with me," and putting that proclamation into action.

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



The National Safety Council (NSC) has announced the 2014 CEOs Who "Get It," the organization's annual recognition of leaders from across the country who demonstrate world-class safety leadership. Dwayne Wilson, SRNS President and CEO, is one of the 10 distinguished CEOs recognized.

Wilson was selected based on his leadership and commitment to safe operations. Since 2012, he has built a robust safety and security campaign for both his company and all contractors at the Savannah River Site. The campaign, known as "Safety and Security Begins with Me," has unified all employees around a common goal—to make safety and security a personal value in their daily lives, both on and off the job.

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Dwayne Wilson

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The qualifications to receive this national safety recognition include four common elements: committed leadership and employee engagement, sound safety procedures, continuous risk reduction, and measuring and improving performance. These factors form the basis of the Council's "Journey to Safety Excellence" approach: a consistent quest to drive workplace injuries to zero.

“Although I am honored to receive recognition from the National Safety Council, it is our employees conducting highly technical work every day, who are the true reasons we have achieved a world-class safety rating, I share this honor with each of them,” said Wilson.

This year's roster of 10 top executives represents national and multinational organizations of all varieties and sizes. Profiles of the CEOs Who "Get It" will be featured in the February 2014 issue of "Safety+Health" magazine.

“The Council is honored to recognize such strong examples of safety leadership in this year's group of CEOs Who 'Get It,'" said Jim Johnson, NSC Vice President, Workplace Safety Initiatives. “We hope other leaders follow suit with a steadfast dedication to the journey.”

The NSC was founded in 1913 and chartered by Congress. The nonprofit organization's mission is to save lives by preventing injury and death at work, in homes, communities, and on the road through leadership, research, education and advocacy.

a CEO who 'gets it'

National Safety Council honors
Dwayne Wilson for safety commitment



SRNS named “Large Business of the Year”



The Greater Aiken Chamber of Commerce named SRNS as the winner of the Large Business of the Year award on Jan. 24 during its annual meeting. Accepting the award at the event were SRNS President and CEO Dwayne Wilson (from left), Susie Ferrara and Teresa Haas of SRNS Corporate Services, and David Jameson, president and CEO of the Greater Aiken Chamber of Commerce.

Two SRNS employees receive safety honors for Christmas Eve rescue assistance at SRS

Two SRNS employees Jerry Johnson and William Robinson were recognized during January by Dwayne Wilson, SRNS President and CEO, with the President’s Safety Award for their swift response and life-saving actions that saved the life of a man on the morning of Christmas Eve. Johnson and Robinson were also recognized by Dr. David Moody, DOE-Savannah River Manager, with letters of commendation for their actions.

On Christmas Eve, the men were driving to work when they spotted a truck that had hit a concrete barrier on the side of a bridge. The driver had been ejected from the cab, landing on top of the guardrail.

They quickly realized the driver’s legs were pinned between the door of the cab and the guardrail and he had life-threatening injuries. Together, they worked to stabilize the man until the SRS Fire Department arrived with high lift air bags, hydraulic cutters and jacks to free the ejected man from the wreckage.

Wilson said, “Jerry and Billy, along with several other contractor employees, chose to stop and assist in saving a life. An unfortunate incident, but one in which two of our employees were able to demonstrate their personal obligation to safety, providing a great example for us all.”



Jerry Johnson (center) and William Robinson (right) were recognized during January by Dwayne Wilson, SRNS President and CEO, for their commitment to safety.

SRNL’s SoundAnchor™ licensed by Texas company

An inspection technique developed by two SRNL researchers is ready for commercial use, via a license agreement signed in December with a Texas company.

SoundAnchor™ is a testing method developed at SRNL that uses ultrasonic technology to assess the structural integrity and safety of anchor rods that stabilize large guyed towers. Metallurgical Engineering Services, Inc. (MES) of Richardson, Texas, has signed an exclusive license to utilize SoundAnchor™ as an inspection tool.

Anchor rods are subject to below ground degradation that can lead to failure over time. Typically, anchor rods, if and when they are inspected, must be unearthed to allow for visual inspection. This can be costly, time consuming and can destabilize the structure being anchored.

SoundAnchor™ allows rods to be examined in place via ultrasound, with the ultrasonic signals indicating any degradation along the length of the rod—even the portion of a rod encased in concrete block. This method requires no unearthing of the rod, eliminating the need for digging permits, excavation or shoring. Estimates are that the cost of inspection could be reduced by as much as 90 percent, with broad application potential in the commercial radio, television, communication and cellular telephone industries.

“I firmly believe MES is uniquely positioned to succeed in the non-destructive inspection of anchor rods by combining established expertise in metallurgy and corrosion engineering with the principles of the SoundAnchor™ test method,” said Daniel Stolk, President of Metallurgical Engineering Services.

SoundAnchor™ was patented based on work by William Hinz and Matthew J. Parker of SRNL, who developed and refined the tool.

“There are tens of thousands of towers where this could be applied,” Parker said. “This is a good example of a solution we developed and tested that can now have significant value for industry.”





Dr. Sam Fink (center) with SRNS Executive Vice President and SRNL Laboratory Director Dr. Terry Michalske (left) and Dr. Donald Orth

Dr. Sam Fink earns Donald Orth Lifetime Achievement Award

The Savannah River National Laboratory's Dr. Sam Fink has been named the 2013 winner of the Donald Orth Lifetime Achievement award, the highest distinction given by SRNL to recognize the ideals of technical excellence and leadership.

Dr. Fink was presented the award in a luncheon that included several distinguished guests – most notably, the award's namesake, Dr. Donald Orth. Orth retired from SRNL in 1992, after a distinguished 41-year research career. The award was established in 1993 to periodically honor an individual “who by character and leadership best exemplifies Dr. Orth's character and contributions.”

In presenting the award, SRNS Executive Vice President and SRNL Director Dr. Terry Michalske called Dr. Fink “a person who is really showing that the reach and influence of this lab is nationwide, if not international. Sam is an example of scientific and technical excellence, but his contributions go beyond technical impact. He's a terrific mentor and leader, and he's someone who absolutely lives up to the ideals modeled by Dr. Orth and the other recipients of this honor.”

“Sam is an example of scientific and technical excellence, but his contributions go beyond technical impact. He's a terrific mentor and leader, and he's someone who absolutely lives up to the ideals modeled by Dr. Orth.”

Dr. Terry Michalske

Dr. Fink arrived at SRS in 1987. He has a doctorate in chemical engineering from The Ohio State University, and has been involved in numerous technical programs addressing chemical processing options. He was a critical part of SRNL's scientific and technical support for the startup of the site's Actinide Removal Process/ Modular Caustic Side Solvent Extraction (MCU) process for salt waste removal. He played a significant technical and leadership role in developing and now deploying a next generation of chemical solvent for continuing improvement of the MCU facility.

He has led and participated in flowsheet development efforts for completion of several chemical processing missions, and laid the foundation for future missions. In addition to being a critical part of the SRNL support for missions at SRS, he has participated and consulted with numerous teams across the DOE complex. He is currently serving as co-director of the Full-Scale Vessel Testing program in support of the Hanford Waste Treatment Plant Design Completion.

The luncheon was attended by eight former winners of the Orth Award, some now retired. Dr. Fink said that his satisfaction came “not from the work, but from the people you work with. The greatest honor is to work with people of this caliber.”

Other past Orth Award recipients who were present included Major Thompson (1996); Carl Fliermans (1997); Bill Kanne (2000); Ned Bibler (2002); Al Garrett (2006); David Hobbs (2007); Carol Jantzen (2010); and Joe Cordaro (2012).

Dr. Michalske said, “Don Orth came here when this place was the woods, and prepared it to invent the future technologies that would help us win the Cold War. He's part of a technical legacy that still underpins what we do today, and that's the basis for a very bright future for this laboratory. I couldn't imagine a better namesake for our highest award.”



Aiken Chamber of Commerce Community Guide highlights SRNS, SRNL

The Aiken Chamber of Commerce's 2014 Community Guide features both Savannah River Nuclear Solutions and the Savannah River National Laboratory. The Guide highlights Aiken's "international presence" both past and present.

SRNL's international reach, as highlighted in the Chamber publication, includes ongoing exchanges related to cleanup efforts in Japan, as well as nonproliferation efforts intended to secure material from around the world for transport to secure locations. SRNL also has active collaborations with international customers in areas such as natural gas research and nuclear packaging.

The entire guide can be seen by visiting the Aiken Chamber's web site, <http://www.aikenchamber.net/> and clicking on "Chamber News."

Seats available for 2014 SRS Public Tour Program

Seats are available for the Savannah River Site's (SRS) 2014 public tour program. The free driving tours are offered each year at SRS to provide members of the public an opportunity to see many of the Site's facilities and learn more about the site's history, current activities and future missions.

Each tour starts at the Aiken County Applied Research Center located off S.C. 278, near New Ellenton, S.C., and begins with an overview presentation about SRS and a safety briefing.

Each tour begins at 12:30 p.m. and typically ends at 4:30 p.m., accommodating about 50 people. Participants must be 18 years of age or older and citizens of the United States.

Reservations for spaces usually fill quickly. Individuals are encouraged to sign up as soon as possible. To register, visit www.srs.gov/general/tour/public.htm. If you have difficulty registering online, call (803) 952-8994.

Open dates for 2014 SRS tours

- July 8, 24
- August 5, 21
- September 9, 18
- October 7
- November 11
- December 9



Although tours in February, March, April, May and June have filled, cancellations do occur and seats may become available on these tours. Please check the website for availability.

Seats are limited to two individuals per reservation. Seats are filled on a first come, first served basis.



The SRS Public Tour passes C Reactor during the first tour of 2014.

Applications open for SRNS summer internship positions

SRNS summer internship positions are now being posted and will continue to be posted through March 28. To qualify, students must be U.S. citizens enrolled full-time during the academic year, have completed their freshman year and possess at least a 2.5 cumulative GPA. Interested students attending an accredited two-year technical or four-year college or university may apply directly to open positions by visiting the SRNS website at www.savannahrivernuclearsolutions.com. Under the Careers tab, click Workforce Services, then Opportunities for Students.



low bid wins (taxpayers, too!)

SRNS saves \$10 million
through innovative commercial
procurement practices and
mentors other DOE EM sites

By adopting successful purchasing practices used by several of America's top companies, SRNS created more than \$10 million in cost savings over 2013.

Prior to this year, SRNS had seen the benefits of high volume purchasing at the company level. However, early in 2013, the SRNS Supply Chain Management teamed up with several DOE sites from around the country to greatly increase the company's overall buying power, much like Costco or Wal-Mart.

"At the same time, we looked at several other best business practices used by this group of DOE sites to further increase our savings," said Helena Tirone, SRNS Director, Supply Chain Management. One of the procurement methods implemented by SRNS is similar to EBay. It provides supply vendors with an online monetary, timed bidding process. Unlike EBay, the low bid wins in the SRNS process.

"We readily agreed to share our newly developed expertise with a variety of companies under contract to DOE around the nation."

Helena Tirone

The effort and resources dedicated to this project quickly paid off. Working through the core or "hub," of this expanded DOE procurement team known as the "Supply Chain Management Center" (based at the DOE Kansas City Plant in Missouri), SRNS personnel rapidly achieved their initial goal of \$1.67 million in cost savings for 2013. In addition, through the use of multiple savings initiatives beyond those tools provided by the Supply Chain Management Center, the overall savings achieved for FY13 reached \$10.2 million. Based upon the amount of SRNS funding budgeted for 2013 that was dedicated to use these enhanced purchasing practices, this figure represents a 61 percent cost savings for the company.

"The primary value of this extraordinary team effort is a significant savings for our nation's taxpayers," said Dwayne Wilson, SRNS President and CEO. "We're now using several highly effective procurement strategic sourcing and acquisition savings tools with the result being a highly cost-efficient process for the purchase of both products and services. This is an impressive example of where governmental procurement has learned and benefitted from our counterparts in corporate America."

According to Tirone, the initial success of the revised SRNS procurement program prompted a request from DOE Environmental Management (DOE EM) asking SRS to be the EM pilot site for this program, mentoring 18 DOE EM contractors new to the concept. "We readily agreed to share our newly developed expertise with a variety of companies under contract to DOE around the nation," added Tirone. "Everyone in our group was honored by the request."

Examples of items being purchased through this cooperative effort include commercial software, laundry services, travel card services, laboratory supplies, ammunition and safety glasses.

Overall, thousands of various goods and services are being purchased through this highly successful enterprise.

Future City Competition



SRNS and the Ruth Patrick Science Center held the 11th annual Regional Future City Competition Jan. 25 at the University of South Carolina Aiken (USCA), with volunteers from the Savannah River Site and USCA acting as judges and event coordinators. This year's theme was "Tomorrow's Transit: Design A Way To Move People In And Around Your City." Aiken Area Home Educators (pictured) were the first place winners for the second year in a row, and will travel to Washington, D.C., to compete against 37 other regional winners.

Applications now available for Mini Grants

SRNS is offering mini grants totaling \$75,000 to over 100 Central Savannah River Area educators as part of the SRNS "Innovative Teaching Mini Grants Program."

The SRNS Mini Grants Program encourages teachers to seek out creative and innovative methods and teaching tools used in the classroom to further enhance each student's learning experience related to science, mathematics and technology.

Elementary and middle school educators from throughout the CSRA are eligible to apply for a mini grant. Each grant can be applied for within one of three categories worth \$500, \$750 or \$1,000. An independent selection committee reviewed more than 200 grant proposals last year and selected 85 projects.

"A good education is priceless and begins early in a child's life," said Dwayne Wilson, SRNS President and CEO. "SRNS has a wide array of programs and sponsored events dedicated to support teachers and develop the minds of students. We want to continue to reward the passion we see in so many educators found across the region."

The grants are provided through corporate funding made available by the parent companies of SRNS: Fluor, Newport News Nuclear and Honeywell.

"Through the generosity of SRNS, fifth-graders have taken our studies in science to a whole new level we never could have achieved without their highly appreciated help," said Theresa Bone, Westminster Schools of Augusta.

All elementary and middle school educators in the South Carolina counties of Aiken, Allendale, Bamberg, Barnwell and Edgefield and those in the Georgia counties of Columbia and Richmond, are invited to submit an application.

Applications for a 2014 Mini Grant award are available at the Savannah River Site web page: http://www.srs.gov/general/outreach/edoutrch/ed_home.htm.

For additional information, contact Gladys Moore, (803) 952-9450, or via email, gladys.moore@srs.gov.





SRNS. Trusted.

For diligent environmental stewardship

For reducing the Savannah River Site's operational footprint
by a remarkable 85 percent

For successful remediation of more than 5,000 cubic meters
of legacy transuranic waste and its shipment out of South Carolina

For international leadership in the radiological cleanup
of Japan's Fukushima Daiichi power plant



Savannah River Nuclear Solutions.
Trusted to get the big jobs done.