

September 2011

SAVANNAH RIVER NUCLEAR SOLUTIONS

# SRNS Today

## done & done

on **6**  
Reactor closures  
mark a milestone



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SRNS prepares  
for a change  
in command

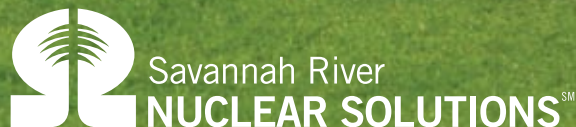


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Got an IDEA?  
SRNS program  
saves millions

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College Night  
draws record crowd



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## Garry Flowers

SRNS President and CEO



## Welcome to the September 2011 edition of "SRNS Today."



September is all about change - in the seasons and at SRNS.

On September 29, I was honored to take part in an SRS celebration to mark the closure of the P and R Reactors (please see the story and photos on Pages 6-7. This significant accomplishment was achieved with funding from the American Recovery and Reinvestment Act, and represents a significant footprint reduction for the Site, opening the door for possible re-use for new Site missions. The celebration respectfully honored the achievements of P and R employees, and included a forward look to an exciting new chapter at SRS—that of Enterprise.SRS, which you'll be hearing more about in the very near future.

Our employee suggestion program, called IDEAS, is also all about change—for the good. The program offers a way for employees to suggest new ways for our business to improve safety, costs and efficiencies. The SRNS IDEAS program (please see Page 9) was named one of the top 10 suggestion programs in the country, two years in a row, by the Center for Suggestion System Development. IDEAS represents good changes for our company.

Now, one last change...

On October 1, I'll be returning to the Fluor Corporate offices in Dallas as a member of its executive leadership team. Dwayne Wilson, also a Fluor executive, will succeed me as SRNS President and CEO, and I wish him the best as he assumes his new duties. As I have written to our SRNS employees, I am pleased to report that today, our company is stronger, more highly focused on meeting our customers' needs, and on the right trajectory to achieve meaningful and sustainable mission growth at SRS. I have every confidence that Dwayne will continue to guide SRNS along that same path.

I hope you enjoy this issue of "SRNS Today," and thank you for your continuing 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 Public Affairs 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).**

# A season of change

## Fluor executive Dwayne Wilson named new SRNS President and CEO

Dwayne Wilson, 31-year Fluor veteran and group president overseeing the company's Mining & Metals and Manufacturing & Life Sciences business lines, will succeed Garry Flowers as President and CEO of SRNS.

Wilson is a long-time Fluor executive having run one of the fastest growing parts of the company – the Mining & Metals business line. As president and CEO, he will use his extensive industry and global leadership experience to help achieve the vision of growth for SRS.

Prior to joining SRNS, Wilson was Group President of Industrial & Infrastructure of Fluor Corporation and served as its Group Executive. In this capacity, Wilson was responsible for diverse markets, including infrastructure, telecommunications, mining, transportation, life sciences, heavy manufacturing, advanced technology, microelectronics, commercial, institutional, health care, water and alternative power.

He has served as President of the Commercial & Industrial Institutional business line overseeing markets including hospitality, educational, hospitals, office buildings and selected governmental facilities. Wilson has also served as Senior Vice President and General Manager, Mining & Metals and was responsible for leading the Fluor's worldwide involvement in the mining industry.

As a Vice President in Fluor's Manufacturing & Life Sciences group, Wilson was responsible for multiple business lines in the food and beverage, metals, consumer products and general manufacturing industries. His project management experience includes leading a multinational consortium responsible for the engineering, design, construction and startup of a paper facility, program director for a nationwide modernization program for the U.S. Department of Commerce and project manager for a power generation project.

Wilson has also served as Vice President, Executive Director for the offices of the Chairman and Chief Operating Officer for Fluor.

He graduated from Loyola Marymount University in Los Angeles with a bachelor's degree in civil engineering and has completed graduate courses at Dartmouth's Tuck School of Business Management and Thunderbird Graduate School of International Management.

Wilson has served as Chairman of the Engineering and Construction Contracting Association from 2002 to 2006. He is a Trustee of the Fluor Foundation and a director of the Urban League of the Upstate of South Carolina. He is also a board member of Corn Products International (NYSE:CPO).



"I'm excited about the opportunities here at the Savannah River Site, and I look forward to working with the men and women of Savannah River Nuclear Solutions to make those opportunities into realities."

**Dwayne Wilson**

Incoming SRNS President and CEO



## SRNS-coordinated College Night draws record crowd of 7,000 students

### SRNS in the community



#### CSRA United Way honors SRNS as largest contributor

SRNS Vice President of Engineering Dave Eyler gave remarks at the 2011 United Way of the CSRA Campaign Kick-off event in Augusta, GA. SRNS was also recognized for its continued support as the largest contributor to the agency.



#### North Augusta Business Expo

Annette Midcalf (left), SRNS Small Business Coordinator, explains upcoming procurement opportunities at this year's North Augusta Small Business Expo. SRNS participated as an exhibitor and gold sponsor at the Expo, where SRNS business representatives met with local and small business suppliers and owners.

**This year, a new record for attendance was set** during this year's 2011 CSRA College Night when over 7,000 students flooded the James Brown Arena in Augusta, Ga.

The students took the opportunity to visit recruiters from more than 160 colleges and universities and register to win one of seventeen \$1,000 scholarships.

Admission was free and open to the public.

"College Night provides a valuable resource for CSRA high school students, and students from outlying communities that may not otherwise have this opportunity, as they decide which college or university to attend," said Candice Dermody, SRNS Talent and Education Outreach Manager. "Working with our co-sponsors, we're pleased to help continue a tradition that provides one-stop shopping for a large and diverse selection of college and university recruiters."



According to SRS College Night Coordinator and SRNS employee Gladys Moore, the extent of information provided to the students was impressive.

"Nearly the entire floor of the arena was filled with information booths manned by recruiters representing colleges and universities from throughout the U.S.," said Moore. "Even the primary walkways throughout the building were filled with college reps."

To qualify for a College Night scholarship, students must be high school juniors or seniors and graduate with a GPA equal or above 2.5 on a 4.0 scale (or equivalent). Students must also attend and register in person at CSRA College Night to be eligible.



Photo: (top) Linda Bridgmon of SRNS Public Affairs assists a student with paperwork at College Night; (above) more than 7,000 students attended the annual event, which is coordinated by SRNS.

## SRNL-supported university projects win nuclear energy technology grants

**Three SRNL-supported projects** have been awarded research grants aimed at developing cutting-edge nuclear energy technologies and training and educating the next generation of leaders in the U.S. nuclear industry. The grants are among 51, totaling \$39M, awarded through DOE's Nuclear Energy University Programs (NEUP) to university-led programs across the country.

SRNL's Thad M. Adams and Adrian Mendez-Torres are collaborating in a project led by the University of South Carolina in the area of Fuel Cycle Research & Development. The other two projects, both in the area of Transformative Research, are a project led by Drexel University (Diffusion, Thermal Properties and Chemical Compatibilities of Select MAX Phases with Materials for Advanced Nuclear Systems) with participation by SRNL's Elizabeth Hoffman and Robert Sindelar, and one led by the University of North Carolina at Chapel Hill (Development of Novel Sorbents for Uranium Extraction from Seawater), with participation by SRNL's Kathryn Taylor-Pashow.

Photo: Elizabeth Hoffman and Robert Sindelar of SRNL

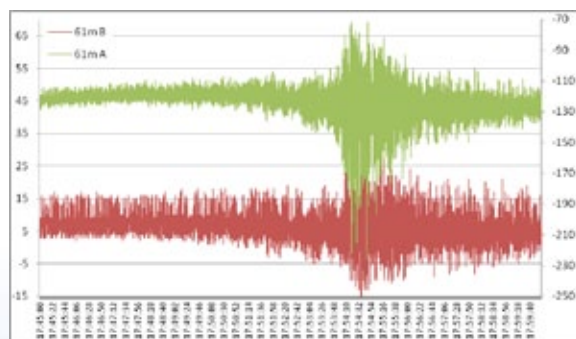


## Portrait of an earthquake: SRNL group records event in meteorological measurements

The SRNL Atmospheric Technologies Group recorded real-time measurements of the August 23 Virginia earthquake, which was felt up and down the east coast.

Sonic anemometers on the Beech Island, S.C., television tower include multi-axis tilt sensors which are used to monitor instrument levelness at the end of rigid booms. Data continuously streams into SRNL for use in research activities as well as weather forecasts for Site operations. When the earthquake occurred, the tilt sensors detected the swaying movement of the booms on the tower.

The graph shows the information collected from the tilt sensor from 1:45-2:00 p.m. The period when the earthquake was felt corresponds to the time of large oscillation seen beginning shortly before 1:53 p.m.



## Honors and accolades



### Marra to receive Rankin Award

John Marra, SRNL Associate Laboratory Director, Science and Technology and Chief Research Officer, has been selected to receive the American Ceramic Society/Nuclear & Environmental Technology Division's D.T. Rankin award for 2011. This national award is in memory of Tom Rankin of SRNL, a longtime member of the Division who served as Chair and Trustee for a number of years. The award is presented yearly to a member of the division who demonstrated exemplary service and leadership to the division.



Dr. John Marra

### Hobbs to be featured in 'Pulse'

Dr. David Hobbs, senior advisory scientist with SRNL, is featured in the Sept. 19 issue of DOE Pulse, the twice-monthly electronic newsletter covering activities at all of DOE's National Laboratories. The personality profile examines how his work developing a more effective material for pretreating SRS high-level radioactive waste led to exciting new applications in medicine, wastewater treatment and energy. Pulse can be read at <http://www.ornl.gov/info/news/pulse>.



Dr. David Hobbs



# done & done

## Closure celebration for P and R Reactors honors the past and looks to the future

In the history book of the Savannah River Site, P and R Reactors can be included as two of the most recognized landmarks at the Site, known as reminders of its early work and original purpose.

On September 29, a celebration was held in P Area to mark the official closure of both reactors, to honor the workers who built them and who decommissioned them.

The closure of both reactors was completed years ahead of schedule, thanks to funding from the American Recovery and Reinvestment Act (ARRA). And with their closure comes the promise of a new era at SRS.

Several prominent figures spoke at the celebration, including DOE Acting Assistant Secretary for Environmental Management; David Huizenga, DOE SR Manager; Dr. Dave Moody, SCDHEC Environmental Quality Control; Deputy Commissioner Robert W. King, Jr.; EPA Region 4 Section Chief David Williams; SRNS CEO and President Garry Flowers; and SRNS Vice President of Public Affairs Clif Webb, who served as the master of ceremonies.

"The SRS legacy to our nation is well-known and steeped in a tradition of service to our country. It is a culture to be emulated and admired," Huizenga said to the crowd of current SRS personnel who contributed to the closures, veteran employees who worked with the reactors and stakeholders from the surrounding areas.

Flowers thanked the past and present employees for the work that made the Site what it is today and prepared it for future success. Flowers said, "First and foremost, it's the people that made SRS a national asset. It's people who brought incredible innovation and science from SRS to the national and international stage. Now, the future is in the hands of this great workforce and we have the potential to make it bright and sustainable."

This accomplishment brought to a close many of the accelerated ARRA closure projects at SRS that began on a fast-track in 2009. With the ARRA funding, SRS was able to compress the closure schedule of the reactors by five years, accomplishing an extraordinary amount of work in a very short period.

"Today proves that we can and will transform past liabilities into revitalized and repurposed assets for future use," said Moody. He then introduced the vision for the next chapter of SRS' history—Enterprise.SRS.

"Our people have tremendous reach and capabilities in nuclear materials and environmental management technology, and we have the only large scale radiochemical separations facility in operation in the United States," he said. "With our extensive applied research capabilities in SRNL, we can impact our nation's challenges, curbing dependence on imported oil, reducing production of harmful greenhouse gases, improving the environment and enhancing national security. We are dedicated to positioning this site to serve our nation; we're excited about it."

Huizenga supported Moody in his presentation of Enterprise.SRS, saying, "It's exciting to see the leadership of this Site taking a proactive and determined stance."







Photos (clockwise from top left): Several prominent figures spoke at the event, including Dr. Dave Moody, DOE-SR Manager; Robert W. King, Jr., Deputy Commissioner, SCDHEC Environmental Quality Control; Garry Flowers, SRNS President and CEO; David Huizenga, DOE Acting Assistant Secretary for Environmental Management; and David Williams, Section Chief, EPA Region 4.

Flowers presents Huizenga with a memento of the occasion, and enjoys a moment with employees at a barbecue lunch.

John Barrineau (right), who helped build P Reactor, and his son Kenny Barrineau, who helped decommission the reactor, attended the event.

Chairman of the Aiken County Legislative Delegation Roland Smith (left) and Aiken County Council Chairman Ronnie Young attended the celebration.



## Second SRNS-sponsored Habitat house nearing completion in Warrenville, S.C.

"We think it's important to demonstrate to the local community that we can partner with them. We want to build a great future at the Site, and part of that obligation is to be a good partner with the community."

**Fred Dohse**  
SRNS Executive Vice President

**T**he floors are down, the walls are up and the siding is almost finished, wrapping the house in a layer of protective vinyl. The latest SRNS Habitat for Humanity House is nearing completion. To date, over 200 SRNS employees have spent hundreds of hours building a home for Qiana Johnson and her sons Braylen, 4, and Shemar, 10.

Johnson and her family should be able to move into the house, located in Warrenville, S.C., before November. This is the second house to be sponsored by SRNS on behalf of Habitat for Humanity (HFH) of Aiken County. About 400 SRNS employees volunteered for the company's first Habitat home.

"We had to turn people away last year, which is a testament to the wonderful people who live in the CSRA," said Fred Dohse, SRNS executive vice president and chief operating officer. "We have faced some challenges, but we think it's important to demonstrate to the local community that we can partner with them. We want to build a great future at the Site, and part of that obligation is to be a good partner with the community."

Johnson, a Kangaroo Express assistant manager, currently lives with her kids at the home of her mother in Windsor.

The new house, located in the Warren Ridge subdivision, is about 80 percent complete. According to HFH Executive Director Richard Church, it will be the 85th overall for HFH in Aiken County. "SRNS is playing a big role in us surviving this economic period," Church said. "We're getting two houses from them, and that is just phenomenal in helping us keep our build levels up." The first SRNS-sponsored Habitat house is located in Jackson, S.C.

All Habitat homeowners are required to help build their own house, working with the various teams of SRNS employees.





## Got an IDEA? SRNS program saves millions, improves employee safety

**Since SRNS took over** management and operations responsibilities at SRS on Aug. 1, 2008, the employee suggestion program has accrued over \$51 million in "soft dollar savings."

According to Brenda Kelly, manager of the SRNS employee suggestion system known as the "IDEAS" program, the vast majority of this money is considered soft dollar savings because nearly all of the IDEAS received relate to safety and productivity improvements. Kelly added that most people are surprised to find out that more than 40 percent of the suggestions relate to safety. During 2010, over 850 safety-related suggestions were submitted.

"Our first priority is to always consider how to perform a task, either at the administrative level or out in the production areas, as safely as possible," said Garry Flowers, SRNS President and CEO. "The IDEAS program is certainly an important contributing factor as to why SRS continues to be one of the safest sites in the DOE weapons complex."

Due to the innovation, creativity and success associated with the SRS IDEAS program, it was named one of the top 10 suggestion programs in the country, two years in a row, by the Center for Suggestion System Development (CSSD). CSSD's mission is to utilize the latest methods and practical tools available to provide quality suggestion system consulting and training. A few of their more noted clients include American Express, Bristol-Myers Squibb, Coca-Cola, Honda of America and Northwest Airlines.

In addition, the SRS IDEAS Program was recently awarded a "SEER Performance Excellence Award" from Ideas America. This award was received for best overall program performance improvement in all categories from one year to the next.

Photo: Med Allen (left) of SRNL is shown working with David Nowak with a new mass-produced industrial glovebox that has been specially and safely configured by the vendor to meet or exceed nuclear regulatory requirements versus buying custom designed and fabricated gloveboxes, saving approximately \$220,000 per glovebox.



## SRNS in the community



### SRNS employees 'Raise the Steaks' for charity

SRNS Vice President for Engineering Dave Eyler was one of the servers at the recent "Raising the Steaks" fundraising event for the United Way of Aiken County. Held on September 16 at Outback Steakhouse in Aiken, S.C., the event raised over \$4,000 for the charity and featured servers from the SRNS management team and United Way volunteers.



**Honoring the teams** The National Nuclear Security Administration (NNSA) Defense Programs (DP) at SRS honored a number of SRNS employees on September 26 for significant contributions to the DP mission. Robert Keel and Billy English were recognized as Employees of the Quarter. Awards of Excellence Teams included Materiel Control Program, Governance Model, Reservoir Workmanship Improvement, Qualification of Reservoirs on Loading Line, Valve Leak Test Cart Development and Implementation, and Human Performance Program. NNSA-SRSO Manager Doug Dearolph and SRNS President and CEO Garry Flowers expressed their appreciation to the employees at the ceremony.

## Logging into the future: SRNS distributes excess computers to area schools

### Visitors of note



#### Rep. Joe Wilson

South Carolina Second District Congressman Joe Wilson (second from left at table) visited SRS on September 28. During his visit, he met with senior management of both DOE and SRNS, and then toured the Site.



#### Ilan Kaiser, Blackville administrator

Ilan Kaiser, Blackville, S.C.'s new town administrator (right), toured SRS on September 14. Kaiser met with Fred Dohse (left), SRNS Executive Vice President, and other SRNS officials, and then toured the Site to learn more about the history, current activities and future missions of SRS.

**Over the past year,** SRNS distributed over 300 excess personal computers to 12 schools throughout the local region. Purchased by the U.S. Department of Energy, more than 80 of these computers have been provided directly to schools located in Aiken, SC, Martinez, Ga., Lincolnton, Ga., and Waynesboro, Ga.

"We're so thankful," said Estevan Price, Board of Trustees, Augusta Christian Schools, whose schools received 17 computers from SRS through this program. "Budgets are so tight. These computers will have a huge impact on our teachers, helping them in the classrooms."

Working through the "Computers for Learning Program," a web-based system operated by the U.S. General Services Administration, this program continues to demonstrate good stewardship of government assets.

"The Excess Operations team works hard to disposition excess equipment for the Department of Energy," said Beth Bilson, SRNS Vice President for Business Services. "It feels so good to do our job and help the community at the same time."

According to SRNS Talent and Educational Outreach Manager Candice Dermody, SRNS is currently managing or partnering in nine major educational outreach programs targeting the needs of area students and teachers.

"Our children are our future," said Dermody. "DOE and SRNS are dedicated to donating resources through proven and highly effective outreach programs to further strengthen area school systems."

Photo: Augusta Christian Schools IT coordinator Estevan Price shows student Ciera Bowlby a computer recently donated by DOE and SRNS.



"We're so thankful. Budgets are so tight. These computers will have a huge impact on our teachers, helping them in the classrooms."

#### Estevan Price

Augusta Christian Schools

## Future City competition announced

SRNS, in partnership with the University of South Carolina Aiken, has announced registration for the annual Future City competition for area middle school students. Monday, Oct. 31, is the deadline to register. Contestants will be asked to design a method to provide electricity for a future city using an energy source that does not deplete natural resources. Future City is also looking for engineering and technical professionals who may be interested in serving as mentors. For information, school registration, or to volunteer in the Future City Competition, visit [www.futurecity.org](http://www.futurecity.org).







# Savannah River Nuclear Solutions



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Our commitment is to create innovative, effective solutions for our country's most pressing initiatives.

Savannah River Nuclear Solutions offers in-depth nuclear knowledge for the nation and works to make the future of our country secure, energy independent and environmentally responsible.

For more information on Savannah River Nuclear Solutions, please visit our website: [savannahrivernuclearsolutions.com](http://savannahrivernuclearsolutions.com).