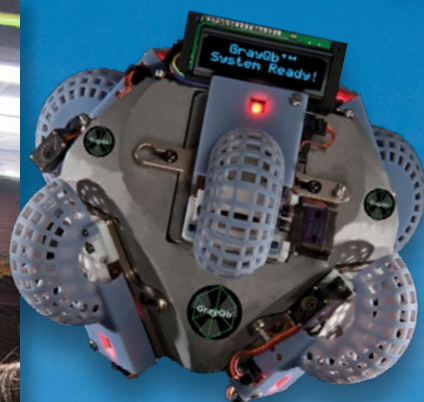


● MAY 2013

SAVANNAH RIVER NUCLEAR SOLUTIONS

SRNS Today



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Welcome

to the May 2013 edition of

SRNS Today



Dwayne Wilson
SRNS President and CEO

It's the end of May, the end of the school year and, for many, a time to look forward to furthering their education.

SRNS is committed to supporting educational efforts in our communities and this month's edition of SRNS Today features some of the ways we are able to help.

During May, SRNS helped to honor Aiken Elementary School teacher Elizabeth Supan as the Public Education Partners "Teacher of the Year." I was honored to be the keynote speaker at the awards ceremony, and particularly pleased to learn more about this special teacher who has dedicated so many years to educating area children. Please see the story on Page 4, and join me in congratulating Ms. Supan on her achievement.

Each year, two SRNS-sponsored events focus on ways to help students along their future educational paths. We co-sponsor the "Introduce a Girl to Engineering" program (see Page 4), and SRNS engineers work with area middle school girls to interest them in careers in technology. Additionally, SRNS sponsors its Family Scholarship program (see Page 5). This year, 15 children of SRNS employees were awarded \$3,000 each toward their college educations. They are the workforce of tomorrow, and these scholarships are our way of helping them achieve their dreams.

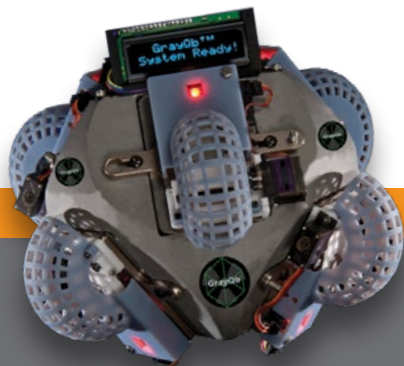
I hope you enjoy this edition of SRNS Today. As always, thank you for your interest in Savannah River Nuclear Solutions.

About Savannah River Nuclear Solutions, LLC...

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. For additional information about SRNS,



Please visit our website at www.savannahrivernuclearsolutions.com.



Innovative SRNL technology works for environmental cleanup

Nuclear facilities in the midst of cleanup, whether through normal routine or unexpected incident, face a remarkable challenge: how to safely determine the exact location of radioactive contamination.

Such determinations are typically performed with portable count rate instruments operated by personnel wearing protective gear, which can consume many man-hours and expose personnel to radiation or contamination. Some areas may be too small, confined or have limited entry for access, while other areas may be too large or problematic, such as a city street or a fluctuating area of storm water runoff.

Scientists at the Savannah River National Laboratory have developed an innovative new technology named GrayQb™. This device is approximately the size of a soccer ball and can locate, identify, and generate a map of radioactive contamination within an enclosed area or outdoor environment or near water sources such as storm drains. SRNL Environmental Science and Biotechnology Principal Engineer Dr. Eduardo B. Farfan, and SRNL Applied Computational Engineering and Statistics Senior Engineer J. Rusty Coleman developed this cutting-edge technology.

"GrayQb™ was developed to allow inexpensive, remotely-deployed radiation mapping in harsh environments such as hot cells and gloveboxes to aid in locating contamination for D&D efforts," Coleman said. "This technology reduces worker dose and cost by locating sources of contamination without placing personnel inside radiation areas."

GrayQb™ uses multiple layers of Phosphor Storage Plates (PSPs) that are highly sensitive to radiation. Even in low dose rate environments, this device can be used to expedite radioactive contamination cleanup operations. The PSPs from GrayQb™ are read on a commercially available scanner in which special software records and translates the exposure data to define the type and location of the radioactive source.

The device is placed in an area of concern for a specific amount of time based on the expected dose rates. A set of motorized shutters shields the PSPs during placement and removal of the device.

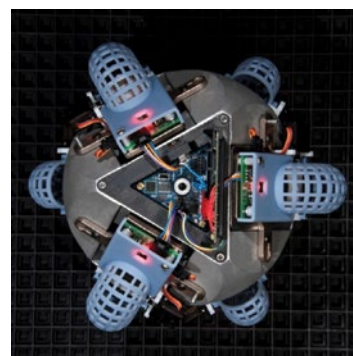
Once in position, the PSP layers are exposed to the sources in the area through a unique apparatus that locates the exact sites of radiation. GrayQb™ is then removed from the area and the PSPs are read in an optical scanner. Special software translates the PSP data into a map of the location, intensity, and energy of the source contamination.

This map can then be superimposed on a photograph or diagram of the contaminated area, allowing researchers to precisely identify contamination sources and areas of concern.

"This technology reduces worker dose and cost by locating sources of contamination without placing personnel inside radiation areas."

J. Rusty Coleman

Senior Engineer
SRNL Applied Computational
Engineering and Statistics



GrayQb™ Features

- Film used as a radiation detector instead of imaging
- Sensitive to low dose rates for x-ray and gamma ray
- Can provide qualitative identification of radioisotopes
- Provides results in minutes
- Approximately the size of a soccer ball and can be controlled remotely

Photos: (From top) GrayQb™ front view and top view

SRNS helps to honor Aiken County Teacher of the Year



SRNS President and CEO Dwayne Wilson (left) with the Aiken County Teacher of the Year Elizabeth Supan and her new laptop computer provided by SRNS

"It's like icing on the cake!"

That was the happy reaction of Elizabeth Supan, a fourth grade teacher at Aiken (S.C.) Elementary School, when she learned of her Public Education Partners (PEP) 2012/2013 Teacher of the Year award. SRNS was the title sponsor of the event, held April 29 at the University of South Carolina Aiken Convocation Center. SRNS President and CEO Dwayne Wilson was this year's keynote speaker.

"We at SRNS have a sincere passion for supporting education outreach initiatives, year-round, throughout the CSRA," said Wilson. "It's at the primary and secondary levels of education within area school systems that our future leaders and the Savannah River Site's future employees are nurtured, shaped and prepared for life as adults. We want to be an integral part of supporting that process."

This year's "Salute to Excellence" acknowledged the vital role educators play, especially in the greater Aiken-Augusta area. Robert Gentry, SRNS Vice President for Site Services and PEP board member, presented the winner with a new laptop computer purchased by SRNS, demonstrating the company's appreciation for her extraordinary work and years of dedication towards the scholastic achievement of numerous students.

"It is very exciting and rewarding to receive this recognition after 20 years of teaching," Ms. Supan said.

Jeff Howell, Executive Director, PEP, noted that SRNS also financially supports several other PEP programs and initiatives including their Summer Institute, strings orchestra, the purchasing of synergistic module labs and providing a \$500 Grant of the Month for Aiken County teachers.

SRNS co-sponsors program to introduce girls to engineering

SRNS, in partnership with the Society of Women Engineering and the Ruth Patrick Science Education Center, recently sponsored this year's "Introduce a Girl to Engineering Day."

Girls from Aiken-Augusta area middle schools participated in this event, held at the Ruth Patrick Science and Education Center on the University of South Carolina Aiken campus.

"I think this is pretty cool," said Holly McInnes, an eighth grader at Greenbrier Middle School. "I thought we'd just be sitting in an auditorium. But, we've been doing a lot of different hands-on things."

According to SRNS Manager of Talent Development and Education Outreach Programs Candice Dermody, the "Introduce a Girl to Engineering" program emphasizes the National Engineers Week message of encouraging students to consider careers in engineering, science and technology.

"Our program typically consists of a series of hands-on activities and intriguing demonstrations that prove to these young ladies that being a scientist or engineer can be interesting and even, at times, exciting," said Dermody. "These activities show how natural problem-solving abilities form the basis for many engineering skills."

During the day-long event, the participants also had an opportunity to interact with women currently working in various fields of science, technology and engineering.



Participants at the "Introduce a Girl to Engineering" Day get some hands-on engineering experience.



SRNS provides \$45,000 in scholarships for employees' children

Fifteen students have each won a \$3,000 SRNS Family Scholarship, received at a special ceremony held in May in Aiken, S.C. The winners are sons and daughters of SRNS employees.

This program rewards graduating high school students on the basis of general ability, leadership, and scholastic achievement, recognizing the top students participating in the competition.

"Their hard work has already begun to pay off as each scholarship winner enters a new era in their life," said Fred Dohse, SRNS Executive Vice President and Chief Operations Officer (COO). "My hope is that it is just a matter of time before we will see some of these outstanding students again, joining us as we offer solutions to both national and international challenges."

Recipient Lindsey Harris, Midland Valley High School, said, "I'm very honored and humbled to have received the award. My plans are to enter the field of nursing where I hope to help people heal and get back to their lives."

Photos: (Top) Westminster High School student Caroline Powell discusses her college and career plans with SRNS Executive Vice President and COO Fred Dohse; (below) the SRNS Family Scholarship winners.

SRNS Family Scholarship Winners:

Stephen Baldwin, North Augusta High School, son of Guy Baldwin

Alison Cercy, North Augusta High School, daughter of Mike Cercy

Stacy Chiou, Lakeside High School, daughter of HuiYing Sun

Adrian Coleman, South Aiken High School, son of Jennifer Burkett

Carson Crowley, Lakeside High School, daughter of David Crowley

Gabrielle Do, Lakeside High School, daughter of Hung and Lien Do

Lindsey Harris, Midland Valley High School, daughter of Larry Harris

Joshua Livingston, South Aiken High School, son of Ronald Livingston

Rachel Muehlfield, Augusta Preparatory Day School, daughter of Debbie Muehlfield

Jessica Munie, Aquinas High School, daughter of Mike Munie

Caroline Powell, Westminster Schools of Augusta, daughter of Kenneth Powell

Brian Reichel, Aiken High School, son of Richard Reichel

George Thompson, Strom Thurmond High School, son of Robert Thompson

Baotram Van, John S. Davidson Fine Arts School, daughter of Truong Van

Amanda Yaun, Aiken High School, daughter of Herbert Yaun





SRNS young, mid-career professionals team up for Ronald McDonald plane pull

SRNS Leaders Emerging Among Professionals (LEAP) recently "pulled" with the newly-formed SRNS Aspiring Mid-Career Professionals (AMP) in the annual Plane Pull event at the Augusta Regional Airport benefitting the Ronald McDonald House Charities of Augusta. During this year's event, area teams of 25 competed in pulling a 150,000-pound FedEx Airbus 12 feet in the fastest time. The SRNS LEAP/AMP team pulled the plane in 7.938 seconds, with the winning team pulling the plane in 5.247 seconds. LEAP serves SRNS employees who have earned at least an associate's degree within the past seven years, while AMP serves SRNS exempt employees with between five and 20 years of work experience. Both organizations strive to foster professional development, professional networking and community involvement for their members.



NNSA official visits SRS

National Nuclear Security Administration (NNSA) Associate Principal Deputy Administrator Michael K. Lempke (left) visited SRS in late May, getting an up-close look at facilities that play important roles in NNSA's mission. Lempke, who also serves as Associate Administrator for Infrastructure and Operations, is responsible for oversight of the Nuclear Security Enterprise through management of the NNSA Site Offices. In addition to touring the Savannah River Tritium Enterprise, which supports NNSA's mission of maintaining a safe and reliable nuclear stockpile, he toured Savannah River National Laboratory, along with the Mixed Oxide Fuel Fabrication Facility and Waste Solidification Building construction sites, H Canyon and other SRS facilities.

Photo: (from left) Michael Lempke; Dennis Donati, SRNS Senior Vice President for NNSA Operations and Programs; and Steve Murphy of SRNL



Celebrity Waiters serve up fun and funds

Good food, attentive waiters and spirited bidding all combined to raise funds for Children's Place in Aiken during the SRNS-sponsored Celebrity Waiter event held in May. More than 270 SRNS employees and guests pitched in to raise approximately \$30,000 for the charity. Pictured above, SRNS President and CEO Dwayne Wilson and Anne Claire Jordan with SRNS Aspiring Mid-Career Professionals, get a "border bash" going during the bidding for Clemson University- and University of South Carolina-themed baskets. (Clemson took the top bid.) "It's difficult for us to place a value on the time, dedication and enthusiasm we see each year by everyone who steps up to make this very important fundraiser a success for the children we serve," said Peggy Ford, Executive Director, Children's Place. "Time and again our friends at SRNS have come to our aid."



SRNS Scenes

As part of SRS' environmental stewardship mission, Maggie Millings and Mark Amadon perform groundwater sampling on a well below the F Area seepage basin cap. (Photograph by Steve Ashe)

In the world of business, our business is

safety and security.



Watching out for ourselves.

Watching out for our coworkers.

Focusing on safe and secure performance
from complex jobs to routine tasks.

A world-class safety and security culture
to support local, regional and national
business opportunities.

Savannah River Nuclear Solutions.
Safety and security in action.



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