



**Savannah River**  
Nuclear Solutions, LLC  
A Fluor Daniel Partnership

Questions? Contact us at 803.952.9584.



## SRS TRU waste repackaged for its trip to WIPP

Packaging transuranic (TRU) waste for shipment isn't a simple matter of putting the waste in a box.

Employees at SRNS are working to repackage TRU waste into approved shipping containers for shipment to the Waste Isolation Pilot Plant (WIPP) in New Mexico.

There are three approved shipping containers for TRU waste: 55-gallon drums, ten-drum overpacks and standard waste boxes. Much of SRS TRU waste is stored in very large steel boxes and must go through a remediation process to remove prohibited articles and be resized to fit into approved containers.

Recently, H Canyon took on resizing and remediating the large steel boxed waste into standard waste boxes. This will reduce multiple handling of the waste and accelerate shipments. To date, H Canyon has repackaged the contents of seven older containers into 42 standard large boxes, 24 standard waste boxes and one drum suitable for shipment to WIPP.

Unpacking and repackaging is also being conducted in F Canyon and E Area to help accelerate TRU disposition. Drums are going through a "Drum Line" facility in F Area and a Box Remediation Facility is also planned for F Canyon with an October startup.

## SRNS employees achieve milestone in safe work hours

On Thursday, March 18, 2010, SRNS Operations and Service Subcontractor employees continued to work safely, surpassing six million safe hours without an injury causing an employee to lose time away from work.

**6 million**  
**safe hours**

# SRNS news

SAVANNAH RIVER NUCLEAR SOLUTIONS



## First concrete poured at WSB

On the night of March 14, SRNS workers completed the first major concrete pour at the SRS Waste Solidification Building (WSB). Over 750 cubic yards of concrete were poured in about 15 hours. The pour was conducted during the night to ensure cooler temperatures and to avoid heavy traffic patterns as approximately 80 trucks were required to get the concrete to the construction site. Scheduled to go online in 2013, WSB will process liquid waste streams from the Mixed Oxide Fuel & Fabrication Facility and the Pit Disassembly & Conversion Facility.



*Roger Eshelman, SRNS Executive Vice President and Chief Operating Officer, accepts the Highest Corporate Achievement Award from Jeff Wallace, 2009 Campaign Chair for the United Way of Aiken.*

## United Way honors SRNS

SRNS recently received the Highest Corporate Achievement Award for their corporate gift to the 2009 United Way of Aiken County Campaign. The award was presented at the 2009 Annual Meeting and Awards Ceremony for United Way of Aiken County on March 12, 2010. SRNS contributed \$108,000 to the United Way of Aiken County and \$200,000 in corporate contributions to all of the United Way agencies in the CSRA. In addition, the Highest Employee Achievement Award was presented to SRS employees for the highest employee contributions made to Aiken County United Way, totaling \$942,000.



## SRNS puts its heart into helping

On a cool March morning, over 1,000 SRS and community volunteers hit the streets of Aiken to walk for a cause dear to their hearts. The annual Heart Walk featured music, presentations and booths set up to answer questions about the American Heart Association efforts in South Carolina and Georgia.

SRS employees surpassed their Heart Walk fund goal of \$90,000 by collecting a total of \$104,000, which is 115 percent of goal. Also, SRNS Executive Vice President Roger Eshelman presented a \$25,000 SRNS corporate check to the American Heart Association.

## Over 1,000 tour P.O. building

SRNS hosted approximately 1,000 visitors at its corporate office—formerly the Old Aiken Post Office—during Aiken's 175th anniversary historical tour. Recent renovations have preserved the building's iconic presence and rich history. "We were overwhelmed by the response we had from the community," said Clif Webb, SRNS Vice President of Public Affairs. "We are excited to be a part of Aiken's 175th birthday celebration."



## Competition spells success for Allendale students

SRNS was the gold level sponsor of The Allendale Sun 2010 Regional Spelling Bee, held March 13 at the USC Salkehatchie Conference Center for students in Allendale, Barnwell and Hampton counties. Bradford Geter, Guinyard-Butler Middle School, took the first place prize, a laptop computer provided by SRNS. Denesha Saxton of Allendale-Fairfax Middle School won second place and De'Aria Phoenix of Allendale Elementary School took third place. SRNS sponsored a reception for the students, parents and teachers, and prizes were awarded to every participant. The event was held in partnership with The Allendale Sun newspaper and USC Salkehatchie.



*Bradford Geter won the Allendale Spelling Bee, and accepts his prize—a laptop computer—from Teresa Haas, manager of SRNS Community Relations.*



*Hagan Capnerhurst, Kaitlyn Shinault, Joanna Zhang won Best of Show, High School Division, at the CSRA Regional Science and Engineering Fair.*

## Winners named in Science Fair

With the support of the U.S. Department of Energy, SRNS and other co-sponsors, the Savannah River Regional Science and Engineering Fair competition was held Saturday, March 13, at the University of South Carolina Aiken. The event was open to 20 counties located throughout the Central Savannah River Area. Hagan Capnerhurst, won "Best in Show" in the High School Division and will travel to the International Science Fair in San Jose, California, May 9-14.





ARRA employees (photos above and below) work to install six evaporators in the P Reactor Disassembly Basin.



The R Area complex is brought up to date with wireless technology.



## ARRA activities include wireless technology, evaporators, seminars

**Evaporators** Area Completion Projects recently completed installation of six evaporators in the P Reactor Disassembly Basin, which will remove more than four million gallons of water from the basin.

**Wireless Technology** SRNS brought wireless technology to R Reactor, which catapulted the aged reactor complex from the days of black hard-wired telephones and public address systems to wireless access to the SRSnet.

Day-to-day work activities for hundreds of SRS employees were improved, both inside the reactor area and at other remote sites with the new technology. Additionally, the new system can be relocated to other areas in the future, saving time and tax dollars.

**'Lunch and Learn'** SRNS held another "Lunch and Learn" seminar on March 18 in Aiken, S.C. to offer local business owners more guidance on how to compete for American Recovery & Reinvestment Act contracts. A final session will be held on April 15 at the North Augusta Community Center, 100 Georgia Avenue, North Augusta, S.C.

To date, \$262 million in contracts has been committed to shovel-ready projects. Recovery Act contracts have been awarded to 450 suppliers, of whom 120 are new to SRS work.



## From barge to Barnwell

Several steam generators on their way to Barnwell, S.C., were moved across SRS in mid-March. Owned by Energy Solutions, the generators originated from the Salem Hope Creek Power Plant in Salem, N.J., and arrived by barge at the SRS Boat Ramp on Friday, March 12. A second barge arrived on Friday, March 19. SRNS Infrastructure Services coordinated the transport at SRS and supported the effort by escorting the movements and raising power lines as the generators made their way across SRS.

## DOE awards SRNS with EVMS certification

The Department of Energy's Office of Engineering & Construction Management awarded SRNS its Earned Value Management System Certification, effective February 26, 2010.

This is a significant milestone in successfully demonstrating a performance measurement system effective in managing project performance.

Earned value is a method for measuring project performance that compares the value of work performed with the value of work scheduled and the cost of performing the work.

Using earned value allows the government and its contractors to have visibility into cost, schedule and technical progress on its contracts to measure and manage performance.

## SRNL provides support to Fuel Cycle, NRC and Oak Ridge

**Fuel Cycle Support** The Savannah River National Laboratory (SRNL) was selected by DOE-Nuclear Energy to provide technical leadership in implementing a systems engineering approach to activities under DOE-Nuclear Energy's Fuel Cycle Research and Development (FCR&D) Program.

The FCR&D Program is charged with demonstrating the technologies necessary to allow commercial deployment of used nuclear fuel that is safe, economic, secure and widely acceptable to Americans.

**NRC 'Life Beyond 60'** Recently, the U.S. Nuclear Regulatory Commission (NRC) asked SRNL to harvest specimens for SRS's nearly 60-year-old production reactors to determine applicability to commercial nuclear reactors. The NRC's Life Beyond 60 Program is investigating the aging and degradation effects of materials on the safety of commercial nuclear reactors.

**Oak Ridge Support** SRNL is providing technical support to the Oak Ridge Y-12 Nonproliferation and Nuclear Security Organization on a project to disposition highly enriched uranium in Argentina.