

Check out the CNTA Golf Tournament Review that is being sent separate.....lots of great photos of your co-workers and friends!



BREAKFAST REVIEW



Dwayne Wilson, President and CEO of Savannah River Nuclear Solutions, LLC was our guest speaker at the March 14th Up & Atom Breakfast held at Newberry Hall. Mr. Wilson gave a presentation on “Savannah River Nuclear Solutions NOW” to over 150 people. Noted guests included Nancy Bobbitt, Field Representative for Georgia’s Senator Johnny Isakson, Tom Young, SC House Representative from District 81 and a member of the SC Governor’s Nuclear Advisory Council and Bran Eisele, Special Assistant to Congressman Joe Wilson. Thank you to SRNS for sponsoring this breakfast.



On April 19th, 2012 we had guest speaker, Bill Franz, who currently serves as Babcock and Wilcox Inc. Project Manager supporting Toshiba in the restoration of the Fukushima Daiichi Nuclear Plant following the Great Earthquake and Tsunami of Northern Japan that took place in March, 2011. Mr. Franz provides expertise in addressing challenges associated with fuel and spent fuel removal and waste management, along with the responsibility for accessing subject matter experts, technologies and lessons learned from the US nuclear industry and national laboratories.



Eugene Rhodes shared his vision of the future for SREL with those in attendance at CNTA’s “Up & Atom” breakfast on May 30th at Newberry Hall. Dr. Rhodes described his career prior to becoming the new SREL director earlier this year and detailed many of the past accomplishments of SREL and his vision of where SREL will be in the future. He expressed a desire to provide a strong radioecology program and to make SREL a place where students can pursue advanced degrees in perhaps the most bio-diverse setting in the country. CNTA pledged to be supportive of those educational goals.

JULY UP & ATOM BREAKFAST ANNOUNCED

JULY 19TH, 2012 UP & ATOM BREAKFAST WITH GUEST SPEAKER—Mr. David Olson, President and Project Manager of Savannah River Remediation, LLC. Invitations will go out soon, get your reservations in early, we had over 170 people at the last breakfast Mr. Olson gave.



**The title of Mr. Olson's talk is
"The Future is Yesterday"**

CNTA Endowment Fund

In 2011 CNTA opened an endowment fund which is administered by the Community Foundation for the Central Savannah River Area. The foundation handles investments for a number of well-known organizations and non-profits, including the Masters Tournament Endowment Fund. We were fortunate to be able to work with them, as they have good experience, a good track record, and low expenses. Most money management firms would not handle an account as small as CNTA, and would charge a higher management fee. Our endowment fund was opened with \$30,000, and though small, it represents a big first step in working to build a solid financial future providing educational programs for our supporters. The account has grown a little from investment earnings, but it will only grow substantially through donations from concerned supporters of nuclear education. Please help us ensure a strong future by including donations to the endowment fund along with your regular CNTA membership.

Paul Rideout – Treasurer



New MOX Conservation Garden Features Federally Endangered Plant

AIKEN, S.C., April 23, 2012 – A conservation garden that features a rare, endangered plant native to the Savannah River Site (SRS) was dedicated today at the Mixed Oxide (MOX) Fuel Fabrication Facility in celebration of Earth Day.

The MOX Conservation Garden, located at the entrance of the MOX project's administration building, was established to promote the preservation and awareness of a federally endangered plant species, the smooth purple coneflower.

The garden was developed by the Savannah River Ecology Laboratory (SREL), a research unit of the University of Georgia located at SRS. SREL cultivated the garden's coneflowers from seed.

Other SRS plant species in the conservation garden include scaly blazing star, sky-blue lupine and bear-grass. Stone elements in the garden were created from cobblestones collected near the MOX construction site that were deposited by high-energy rivers more than 10 million years ago.

"The MOX Conservation Garden is not only a beautiful addition to our site," said Kelly Trice, president and chief operating officer of Shaw AREVA MOX Services, "but it also symbolizes our commitment to protecting the environment as we integrate environmental considerations into the design, construction and operations of the MOX project."

The MOX administrative building, where the conservation garden is located, has been certified as a Leadership in Energy and Environmental Design (LEED) Gold building. It was the first building at SRS to be LEED Gold Certified and the first of three MOX

project buildings to pursue certification. Last year, The South Carolina Department of Health and Environmental Control recognized Shaw AREVA MOX Services for outstanding environmental leadership with acceptance into the organization's Excellence Program.

The Mixed Oxide Fuel Fabrication Savannah River Site, is scheduled to begin operation in 2016. Shaw AREVA MOX Services, Environmental & Infrastructure Group and Department of Energy's National Nuclear Security Administration (NNSA) to design, build and operate a facility to convert surplus nuclear reactor fuel for use in commercial nuclear power plants. This work supports a program to eliminate surplus weapon-2000 agreement, the United States tons of surplus plutonium, enough clear weapons. For more information, visit www.moxproject.com.



The smooth purple coneflower, or *Echinacea laevigata*, was listed as a federally endangered species in 1992.

These plants are under active management at the Savannah River Site and are a prominent feature of the new MOX Conservation Garden.

Facility, now under construction at the Savannah River Site, is scheduled to begin operation in 2016.

Shaw AREVA MOX Services, LLC, comprised of Shaw's Environmental & Infrastructure Group and Department of Energy's National Nuclear Security Administration (NNSA) to design, build and operate a facility to convert surplus nuclear reactor fuel for use in commercial nuclear power plants. This work supports a program to eliminate surplus weapon-2000 agreement, the United States tons of surplus plutonium, enough clear weapons. For more information, visit www.moxproject.com.

Shaw's Environmental & Infrastructure Group is a primary business unit of The Shaw Group Inc. (NYSE:SHAW), a leading global provider of engineering, construction, technology, fabrication, remediation and support services for clients in the energy, chemicals, environmental, infrastructure and emergency response industries. A Fortune 500 company with fiscal year 2011 annual revenues of \$5.9 billion, Shaw has approximately 27,000 employees around the world and is a power sector industry leader according to Engineering News-Record's list of Top 500 Design Firms. For more information, please visit Shaw's website at www.shawgrp.com.

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Linda Lee, botanist for the Savannah River Ecology Lab (from left), Clay Ramsey, federal project director of the Mixed Oxide Fuel Fabrication Facility for the National Nuclear Security Administration, and Kelly Trice, president and chief operating officer of Shaw AREVA MOX Services, place the final stones in the new MOX Conservation Garden.



U.S. DEPARTMENT OF **ENERGY**

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FOR IMMEDIATE RELEASE
Monday, April 2, 2012

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Grouting Begins on First SRS Waste Tanks Since 1997

AIKEN, S.C. - At about 9 AM today, Savannah River Remediation (SRR), LLC, workers began the operational closure of two hazardous waste tanks at the U.S. Department of Energy (DOE) Savannah River Site (SRS), signifying the most substantial environmental risk reduction in South Carolina since 1997.

"We've worked hard with Savannah River Site and other federal partners to resolve many complex tank closure issues and reduce the risk of an environmental incident," S.C. Department of Health and Environmental Control Director Catherine Templeton said. "This has paved the way for the closure of Tanks 18 and 19, and for the remaining tanks to close at a faster pace. We look forward to a continued collaboration with SRS in laying the groundwork for more cleanup activities."

With a radio command to begin, a specially formulated cement-like grout began flowing from the first concrete truck of the day into one of two designated underground waste tanks, Tanks 18 and 19, which will be operationally closed at the Site, located near Aiken, S.C. The start of grouting culminates 32 years of waste removal and cleaning operations in the 1.3 million-gallon tanks and begins a process that will result in the first SRS waste tanks being closed since the first two were closed in 1997.

Dr. David Moody, DOE Savannah River Manager, said the start of grouting creates a template for the operational closure of the Site's remaining tanks and is significant in the disposition of the Site's legacy nuclear waste.

"Eliminating the risk of radioactive legacy nuclear waste is a priority and the start of grouting of these tanks is significant to meeting our critical mission," Dr. Moody said. "SRS was the first site to close waste tanks and becomes the next site to close tanks, since waste tanks were closed at the Idaho National Laboratory in 2007."

"The quick review and approval of our waste determination documents by South Carolina Department of Health and Environmental Control and Environmental Protection Agency Region 4 was critical to us getting the Department's approval and being able to move forward with tank closures. They work as long and as hard as the SRS team. Today, we are all successful through our collaborative efforts," added Dr. Moody

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<http://sro.srs.gov/index.html>

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SRR, the liquid waste contractor at SRS, is leading the effort to operationally close the waste tanks. The grouting process will include six cement trucks an hour operating eight hours a day, five days a week, pumping the grout to fill the waste tanks.

Dave Olson, SRR President and Project Manager, indicated grouting the tanks will eliminate risk for workers and the environment.

“DOE and SRR are committed to protecting workers, the public, and the environment while achieving risk reduction in a cost effective manner, and in compliance with regulatory commitments” Olson said, “Many years and a lot of safe operations will result in Tanks 18 and 19 being operationally closed this summer.”

“Closing Tanks 18 and 19 is a big step forward in reducing the risk posed by legacy high level waste at SRS, and I’m very proud to be a part of the outstanding team that’s responsible for this accomplishment! I also want to recognize and express DOE’s appreciation for the dedication of the many outstanding representatives of the SCDHEC and EPA who worked so closely with us to surmount the complex regulatory aspects were instrumental in our ability to close these tanks. Through our partnership with SCDHEC and our mutual focus on reducing environmental risk, we now have a regulatory road map in place to close the remaining tanks at a much more rapid pace,” said Terry Spears, Assistant Manager for Waste Disposition Project.

An agreement between DOE, U.S. Environmental Protection Agency and South Carolina Department of Health and Environmental Control required the operational closure of Tanks 18 and 19 by December 2012. Both tanks underwent extensive waste removal that included liquid and sludge removal, specialized mechanical cleaning, and working to isolate the tanks from all systems, all leading to regulatory confirmation that the tanks were essentially cleaned and ready for grouting.

Grouting of the massive underground tanks, ancillary piping and equipment will continue until late summer before the tanks are confirmed closed. Additional information on the DOE’s Office of Environmental Management and the Savannah River Site can be found at <http://www.em.doe.gov> or <http://www.srs.gov>.



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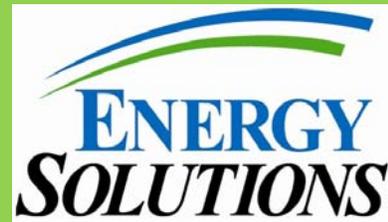
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Greenbriar High School student Jacob McCorkle job shadowed Tim Schatzer, EnergySolutions Salt Waste Processing Facility Test Operations Manager, on April 10, 2012.



Greenbriar High School Student Job Shadowing at EnergySolutions



During his job-shadow experience, Jacob McCorkle learns about Air Pulse Agitation tank mixing at the SWPF Test Facility in Aiken, SC



High school student Jacob McCorkle and EnergySolutions Test Engineer Stan Scoma discuss operation of the Caustic-Side Solvent Extraction Test Platform.

During his job-shadow visit, Jacob McCorkle gets hands-on experience with the Hot Cell manipulator mock-up at the SWPF Test Facility in Aiken, SC.



WSI-SRS Wins Secretary's Trophy in National Competition



Security Protection Officers from Savannah River Site's (SRS) security contractor WSI-SRS, won the Department of Energy (DOE) Secretary's Trophy as the top DOE team in the 2012 Security Protection Officer Team Competition (SPOTC) *2012 Carolina Challenge*, held at the SRS on April 22-26. It was the 40th anniversary of the SPOTC competition.

The SRS is a key DOE and National Nuclear Security Administration industrial complex responsible for environmental stewardship, environmental cleanup, waste management and disposition of nuclear materials. More specifically, SRS processes and stores nuclear materials in support of national defense and U.S. nuclear nonproliferation efforts. The Site also develops and deploys technologies to improve the environment and treat nuclear and hazardous wastes left from the Cold War.

In 2012 Carolina Challenge, SRS was among 11 teams representing DOE sites. The three-man team competition was won by Security Protection Officers representing DOE Headquarters in Washington D. C. Canadian team Bruce Power of Tiverton, Ontario was the top non-DOE team. The WSI-SRS win marked the 10th time an SRS team has won the award. WSI-SRS last won the Secretary's Trophy in 2009, placing second in 2011.

"It's been a real honor for WSI-SRS to host the 40th SPOTC and to have this elite group of competitors break-in our new state-of-the-art Advanced Tactical Training Academy and Bobby Davis Range," said Randy Garver, WSI-SRS Senior Vice President and General Manager. "It was a great competition, and most importantly, it was done safely. We're very proud that the WSI-SRS team took first place and won the Secretary's Trophy."

Team Results for the 5-Man Competition respectively were: WSI-SRS; Nevada National Security Site; WSI-Oak Ridge; B&W Pantex; Idaho National Lab; Los Alamos National Lab; and Hanford.

DOE 3-Man Team Competition results respectively were: Headquarters, Washington D.C.; Sandia National Lab, Albuquerque; URENCO USA; and Kansas City Plant.

Non-DOE Teams Competition respectively were: Bruce Power; Columbia County Sheriff's Office; G4S International Training Inc.; Hydro-Quebec NRF; and Aiken Department of Public Safety.

The competition was open internationally to law enforcement and security teams. Sixteen teams competed including two teams from Canada and two local law enforcement teams representing Columbia County (Georgia) Sheriff's Office and Aiken Department of Public Safety.

"This is a tough competition that tests and sharpens the skills of security professionals throughout the Department of Energy. Congratulations to all the competitors and especially the winning performance of our WSI-SRS team for their hard-earned Secretary's Trophy," said Dr. David Moody, Manager, DOE Savannah River Operations Office.

SPOTC events are designed to challenge handgun and rifle marksmanship, physical stamina, and tactical problem-solving. A team-driven, tactical skills-oriented firearms competition, SPOTC is both physically and mentally challenging. Teams were tested in skills developed to protect national assets in the event of a real-world crisis. Challenges included negotiating various courses, maneuvering safely through

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obstacles; shooting at targets from unconventional firing positions; and rescuing downed officers.

The winning WSI-SRS Team was composed of Team Captain Gideon Hornung, Security Protection Officer III Anthony Tisbert, SPO III Corey Morris, SPO III Eric Gavin, SPO III Jonathan Perry, SPO III Joseph Bradrick, and SPO III Shawn Williams.

The complete results of the competition, as well as the event video, are available on the SPOTC web site (www.spotc.doe.gov).



THANK YOU TO OUR CORPORATE AND BUSINESS SPONSORS!

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Membership Renewal

We can't believe it's June already! Unfortunately, we still have a number of 2011 members who have not renewed for 2012.

- ⇒ More great speakers scheduled for our breakfast/dinner events.
- ⇒ Our Education Committee is working hard to educate CSRA teachers about nuclear technologies.
- ⇒ ...and don't forget about the Teller Lecture in the Fall.

Please take a few minutes to check your records to see if you have mailed in your membership dues. We want to continue to grow and it's your help that let's us do that!



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