

● MARCH 2016

SAVANNAH RIVER NUCLEAR SOLUTIONS

SRNL announces  
developer for  
Advanced  
Manufacturing  
Collaborative

# SRNS Today



## a rare harvest

SRNL recovers valuable  
materials from legacy  
nuclear material assemblies



### This month

235-F cleanup • SRNS accomplishments for NNSA • USCA endowment • Community involvement







**Carol Johnson**  
SRNS President and CEO

# Welcome to the March 2016 edition of SRNS Today



## Video: SRNL

To see an overview of the Savannah River National Laboratory, please [click here](#) or visit [www.savannahrivernuclearsolutions.com/annual/SRNL\\_Overview.mp4](http://www.savannahrivernuclearsolutions.com/annual/SRNL_Overview.mp4)

## Sometimes, “1 plus 1” is more than 2.

Combinations often offer more than their face value. The Advanced Manufacturing Collaborative, or AMC, is a prime example. Led by the Department of Energy-owned Savannah River National Laboratory, the AMC will pair SRNL and the University of South Carolina Aiken (USCA) in promoting new technology partnerships among industry, academia and the government. The AMC will bring together some of the best minds in the nation to create solutions to our country's greatest challenges. Environmental management, national security, clean energy: These are just a few of the broad topics that the Collaborative will address.

On March 24, Savannah River Nuclear Solutions was proud to announce the developer of the AMC. Please see the story on the next page for more about the facility planned for the USCA campus. This concept is a game-changer, and one that will affect our region and our nation positively for years to come. It's innovation in action. And it's a winning combination for all participants.

Also in this month's edition of SRNS Today, we feature more winning combinations. There's a program that recovers rare, valuable materials—including heavy curium and plutonium-244—from existing nuclear material assemblies stored at SRS. Not only is this program recovering valuable isotopes, it's also moving legacy material out of South Carolina and putting it to good use. And there's the cleanup of SRS building 235-F. A section of this facility, once known as the Plutonium Fuel Form (PuFF) Facility, was used to make spheres and pellets out of Pu-238 to power deep space missions, such as the Galileo space probe. Because of the high risk posed in this facility, a select combination of professionals with deep experience has been selected to work on this multi-year risk-reduction project.

SRNS employees also touched hearts and lives this month. More than 300 employees stepped out for the annual CSRA Heart Walk, collecting more than \$80,000 through fundraisers and donations. Employees also turned out to improve the lives of local citizens and United Way agencies through Project Vision. As a company, SRNS is proud to support initiatives in the community, such as our donation to the North Augusta Greenway. Together, our employees and the community are a winning—and caring—combination.

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

*Carol*



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](http://www.savannahrivernuclearsolutions.com)

# One step closer

## Developer selected for new SRNL Advanced Manufacturing Collaborative

DOE is one step closer to the creation of an Advanced Manufacturing Collaborative for the Savannah River National Laboratory.

As operator of SRNL, SRNS has selected the Aiken Advanced Manufacturing Partnership (AAMP), LLC to develop a proposal for space for the Collaborative. The proposed location is planned for the University of South Carolina Aiken campus in Aiken, S.C. This new laboratory space will help promote partnerships among industry, academia, and government in the creation and implementation of new technology.

The proposed 70,000 square foot space will include chemistry labs, engineering fabrication labs, high bay and industrial work space, and staff offices. AAMP, LLC will provide and maintain the laboratory and office space, and SRNS will enter into a subsequent lease agreement for use of the facility.

This innovative public/private approach will allow the DOE and SRNL to expand capabilities through private financing and collaboration on scientific and technological innovation.

“The Department of Energy is pleased with this new opportunity in advanced manufacturing. It is our duty to find smarter and safer ways to address the environmental management, national security, and clean energy needs of our nation. It is only through

“We at SRNL look forward to creating a more open environment for collaborative research and development in areas such as process intensification, smart manufacturing, cyber, virtual simulation and advanced robotics. This space will allow SRNL to build the future of innovation.”  
Dr. Terry Michalske



the combined use of new technologies that these duties can be fulfilled,” said Savannah River Site Manager Jack Craig.

“We at SRNL look forward to creating a more open environment for collaborative research and development in areas such as process intensification, smart manufacturing, cyber, virtual simulation and advanced robotics. This space will allow SRNL to build the future of innovation. By thinking creatively, we can more effectively partner our talent with industry and academia to address a multitude of technology needs,” said Dr. Terry Michalske, SRNS Executive Vice President and SRNL Director.

## SRNL to help train next generation of robotics engineers

SRNL has been selected to help lead a team to provide specialized training for graduate students in robotics to help support environmental remediation. The Robotics Traineeship Program will be based at Carnegie Mellon University and will also partner with Pacific Northwest National Laboratory in Washington.

The five-year cooperative agreement will train graduate students in specific disciplines of science, technology, engineering and mathematics related to robotics. As part of this effort, SRNL will bring real-world problems and field applications together with academia to help develop the next generation of robotics engineers and the next generation of technology.

“Carnegie Mellon is one of the premier robotics universities in the country,” said Luke Reid, Manager of Mechanical Systems and Custom Equipment Development at SRNL. “This partnership, when coupled with the Advanced Manufacturing Collaborative, is the first step in establishing SRNL as the ‘go-to’ robotics lab in support of very real and very challenging environmental cleanup efforts throughout the Department of Energy complex.”

SRNL has a rich history in advanced robotics for use in environmental management and high-hazard conditions. SRNL

recently deployed robots to successfully inspect the SRS H Canyon Air exhaust tunnel. These inspections were necessary to validate the condition of the 60-year-old tunnel and ensure that it is safe for continued operations. Remote devices have also been used to inspect reactor tanks and to safely recover and contain contamination sources.



Robot used for the inspection of an H Canyon air tunnel

“Teaming with universities to conduct research and development in technologies such as robotics is essential in developing a next generation workforce,” said Dr. Terry Michalske, SRNS Executive Vice President and SRNL Director. “The need for new technologies is critical to the Environmental Management mission and to addressing some of the most critical tasks in nuclear chemical manufacturing.”



# a rare harvest

SRNL recovers valuable materials from legacy nuclear material assemblies

A new program sponsored by the National Nuclear Security Administration (NNSA) is underway at the Savannah River National Laboratory to recover rare, valuable materials from existing nuclear material assemblies. These assemblies have been stored at SRS for more than 35 years and contain greater than 80 percent of the world's inventory of heavy curium and plutonium-244, a rare and economically irreplaceable material. Not only is this program recovering valuable isotopes, it's also moving legacy material out of South Carolina and putting it to use.

Plutonium-244 is uniquely important in high accuracy measurements analysis. The isotope serves as a reference material for analysis of other nuclear materials and is used as a baseline for source identification. It is also used for safeguard and environmental analysis. The curium is used in the production of californium, which has many industrial applications including oil exploration, nondestructive materials analyses and medical research.

"Producing reference materials like plutonium-244 is vital for national safeguards and nonproliferation programs," explained Richard Meehan, Director of DOE-NNSA's Office of Nuclear Materials Integration. "Ensuring measurement and analysis of unknown material with accuracy and precision is critical to our national security."

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*"Producing reference materials like plutonium-244 is vital for national safeguards and nonproliferation programs."*

**Richard Meehan**

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According to SRNL Program Manager Bill Swift, the process allows SRNL to harvest these valuable resources from stored nuclear assemblies and convert an SRS legacy to an irreplaceable resource for our country. "Over a period of several years, we will be removing the assemblies from storage and shipping them to the Savannah River National Laboratory where they will be dissolved," said Swift. "The valuable materials will be captured on an ion exchange resin column and sent to Oak Ridge National Laboratory in Tennessee for further purification and will be used to support isotope production."

Making new plutonium-244 and heavy curium is not an economical option. When weapons production reactors closed at the end of the Cold War, so did the ability of any facility in the U.S. to produce these types of materials. The 65 assemblies currently stored at SRS are the only economic means to harvest this rare material. This project will be executed in collaboration with Oak Ridge and Los Alamos National Laboratories as the future shipping and storage configurations are developed.

# Reducing the risk

SRNS begins cleanup of building used to produce space program fuel

SRNS recently began cleanup of an SRS building containing residual hold-up of plutonium (Pu)-238, which was used as a heat source to power deep-space missions.

The inactive building, known as 235-F, is a two-story, blast-resistant, windowless, reinforced concrete structure. A section in the building, the former Plutonium Fuel Form (PuFF) Facility, was used to make spheres and pellets out of Pu-238 to electrically power deep space missions, such as the Galileo space probe to Jupiter, launched from the Space Shuttle Atlantis in October 1989.

Inside the PuFF facility are nine cells of thick concrete walls with shielded windows. In these cells, employees worked with hazardous materials using remote manipulators from outside the cell. Material entered the PuFF in cell one, then traveled through the other cells to be made into spheres and pellets.

The historic activity has left behind a conservative estimate of about 1,500 grams of Pu-238 in the cells. In order to reduce hazards, SRNS has begun a multi-year Risk Reduction mission in the PuFF facility.

"This project has an ever-increasing number of challenges," said Jack Musall, Project Engineer for the 235-F Risk Reduction Project. "Along with the amount of material involved, we are also working in very tight spaces with limited accessibility. Because of the way the spheres and pellets were made, the Pu-238 was left in some cells as a very fine particulate dust that is easily disturbed. Every move we make will need to be slow, deliberate and precise to avoid spreading contamination."

The workers assigned to this project are a hand-picked team of professionals, most of whom previously worked on the accelerated transuranic waste project at SRS funded by the 2009 American Recovery and Reinvestment Act. To prepare, the workers have been practicing in a mock-up facility and participating in decision-making sessions and briefings.

"They have a proper sense of risk, a proper sense of confidence, and a proper sense of safety," said Michael Gilles, F Area Director.

"They're well prepared to deal with what we assume will be an environment where changes will occur."

The Savannah River National Laboratory (SRNL) has worked with the 235-F Risk Reduction team to develop a better estimate of how much residual Pu-238 remains within the shielded cells.

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*"We are committed to reducing risk at SRS, and to removing as much material from the facility as practical."*

**Jack Musall**

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Additionally, SRNL is using existing technology and developing new tools to locate and remove or affix the Pu-238 to ensure it will not become mobile during decontamination activities. Any Pu-238 that is removed, along with any contaminated tools, will be safely stored for eventual packaging and shipment to the Waste Isolation Pilot Plant in New Mexico.

Work completed so far in the facility includes removing fixed combustibles, upgrading the fire detection system, de-energizing unneeded electrical circuits, draining and cleaning shield cell windows after their partial disassembly, and installing light sources.

"As long as we do not run into any new challenges, we estimate that we will complete our mission by 2021," said Gilles. "However, in this type of situation, we anticipate that there will be unforeseen challenges, so we are doing the prep work necessary to have contingencies in place and to ensure the safety of our workers is the highest priority."

"We are committed to reducing risk at SRS, and to removing as much material from the facility as practical," added Musall. "We are proving that commitment through this difficult and challenging project."

**Photo:** The Shift Operating Base inside the PuFF Facility was a clean area that allowed operators to use remote manipulators to work with material inside the cells.



# RAP performance

SRS Radiological Assistance Program Team is DOE's nuclear 'first responder' for Region 3

Super Bowls, national political conventions and the Pope's recent visit to the U.S. are all events requiring experts, working as a team, to secure a public area in an effort to prevent the potential use of nuclear materials intended to cause harm and destruction.

An organization often responding to such events is the DOE Radiological Assistance Program (RAP). This regional emergency response asset is based at nine DOE sites across the country, including SRS.

Consisting of specially trained federal and contractor personnel, RAP Teams have specialized equipment to assist with a wide range of radiological and nuclear events.

The RAP Team based at SRS is responsible for DOE Region 3, which includes North Carolina, South Carolina, Georgia, Alabama and Florida. They have also assisted DOE RAP Teams from other DOE regions and in other countries. DOE Region 3 RAP personnel played an important role in the overall DOE response assisting the Japanese government after the Fukushima Daiichi nuclear disaster in 2011.

The DOE Region 3 RAP program managers Christina Edwards of the National Nuclear Security Administration, and Roy Windham of SRNS are two of five full-time employees within this program. The majority of each RAP Team is made up of highly dedicated individuals who volunteer to support the RAP mission as a collateral duty.

"I just can't say enough about how hard our RAP Team volunteers work, no matter the task," said Edwards. "The service they provide our country deserves a high level of recognition."

According to Windham, the services provided by the RAP Team can be tailored to meet the needs of the requesting organization. The services can range from something as simple as providing guidance via a telephone conversation to sending multiple teams to the incident scene to assist in response efforts.

The Radiological Assistance Program was originally sponsored by the Atomic Energy Commission (AEC) in the late 1950s. RAP leveraged the expertise available in the AEC staff and made those resources available to assist state and local officials in dealing with any emergency situation that might arise from the use or transportation of radioactive materials. Today's RAP mission has expanded to include crisis response as well as the traditional consequence management operations.

Crisis response duties involve search, detection and identification activities for lost, stolen or malevolent uses of radioactive materials in cooperation with law enforcement partners. It also includes preventive measures used to protect the public in venues that can include convention halls, stadiums, large buildings and shipping ports.

Consequence management entails radiation monitoring and identification of radioactive contamination during a nuclear emergency while assisting federal, state and local agencies.

"This could involve transportation-related accidents, nuclear power plant events or something as small as radioactive materials that have leaked from equipment or a container," said Windham. "For example, our team that worked at the Fukushima site spent hours conducting aerial monitoring, carefully mapping the levels of contamination found across the area surrounding the damaged nuclear power plants."

The SRS RAP Team is required to activate and have a response team and their equipment on the way to an incident site within two hours and to arrive at that location, anywhere within their five-state region, within six hours. U.S. government vehicles provide ground transportation, and charter contracts are in place for air travel.

**Photo:** RAP Team member and SRNS employee Mike Conaway completes software connections for mobile detection equipment.



## SRNS provides \$550,000 to endow USCA engineering professorship for new four-year program

For decades, area residents have traveled to Columbia, S.C., to obtain a four-year engineering degree within the University of South Carolina system. That has changed with the offering of a new engineering degree at the University of South Carolina Aiken (USCA) campus, in Aiken, S.C.

This four-year program will greatly benefit many local employers who are experiencing the issues associated with a national shortage of engineers. SRNS has stepped forward to address this growing need by providing a gift of \$550,000 to endow a faculty professorship for this important initiative. The SRNS donation is the largest single gift provided to date for this initiative.

"In response to regional workforce demands, the University of South Carolina Aiken launched a new Industrial Process Engineering Bachelor of Science degree program in the fall of 2015," said USCA Chancellor Sandra Jordan. "I am pleased to announce that Savannah River Nuclear Solutions has committed to funding an Endowed Professorship for this program, which will tremendously help with recruiting and retaining the best faculty in this discipline."

The Industrial Process Engineering Program is designed to prepare students to have the technical knowledge and skills in mathematics, science, engineering and management to analyze and solve problems in today's team-oriented business environment. Students who graduate from the program will have the knowledge



of the processes of industry from multiple viewpoints: mechanical, manufacturing and business.

"We are proud to partner with USC Aiken on this initiative," said Carol Johnson, SRNS President and CEO. "We hope that our contribution will create opportunities for our region's students and faculty, and will strengthen the workforce of the region and beyond. This gift will bring a unique opportunity to partner with USC Aiken, and we look forward to working more closely with the University."

The first class for this major will begin in the fall of 2016.

## ● A FIT celebration



SRNS President and CEO Carol Johnson (photo left) talks with SRNS employees at the Focused Improvement Transformation (FIT) One-Year Celebration. The Focused Improvement Transformation, or "FIT," has resulted in productivity and efficiency savings of \$8.9 million at SRS. With 26 percent of SRNS employees engaged in continuous improvement activities, the company is making great strides in changing the culture and transforming work processes. The celebration on March 17 highlighted employees' efforts to improve SRNS performance, cost and delivery, with the ultimate goal of ensuring SRNS is a compelling place to work. In the photo at right, Manager of SRNS Continuous Improvement PK Hightower address the celebration attendees.





Surveillance and tests performed at SRS support NNSA's successful Stockpile Stewardship Program

# NNSA report highlights major accomplishments by SRNS in making nation safer and more secure

In its report, “NNSA Achievements: 2015 by the Numbers,” the National Nuclear Security Administration (NNSA) highlights its major accomplishments during the year to make the nation safer and more secure.

SRS played a role in several of those accomplishments, including support for nuclear threat reduction and for the nuclear weapons stockpile. “We’re proud that the work we do here helps to ensure a safer world,” said Wallis Spangler, SRNS Senior Vice President for NNSA Operations and Programs.

At SRS, NNSA work is carried out by multiple SRNS organizations, including the Savannah River Tritium Enterprise (SRTE) and the Savannah River National Laboratory (SRNL).

**Nuclear Weapons Stockpile/Life Extension Programs:** SRS supports several of the Life Extension Programs (LEPs) noted in the NNSA report, which are programs to reuse, refurbish or replace components to extend the service life of a weapon, enabling NNSA to maintain a credible nuclear deterrent without designing/producing new weapons. SRS’ support of the LEP for the B61-12 gravity bomb includes responsibility for loading, shipping and testing gas transfer systems (GTSs) and other related components. By completing the function testing of an early tritium-loaded prototype GTS in 2014 – two years ahead of the baseline schedule – SRNL and SRTE helped set the stage for the B61-12 LEP’s “impressive progress” achieved in 2015. SRS further contributed to the LEP’s progress last year by loading reservoirs to support additional testing, and by loading and shipping development nitrogen cartridges – both completed one year ahead of the baseline schedule. In addition, SRNL completed a development effort to prepare process equipment and techniques to enable SRTE to produce a quality product.

**Science, Technology and Engineering Supporting the Weapons Stockpile:** SRS is a key player in the “unparalleled

science, technology and industrial base” that maintains the nation’s nuclear deterrent. SRNL, in partnership with other national labs, conducts research and development to support new GTS designs and to enhance gas processing in the SRS Tritium Facilities.

In support of the National Ignition Facility (NIF), another of NNSA’s 2015 successes, the SRNL-designed and supplied Micro Thermal Cycling Absorption Process enhanced the operation of the OMEGA laser (which NNSA uses to develop science and technology for NIF) by significantly purifying its tritium fuel supply.

**20 Years of Successful Science-Based Stockpile Stewardship:** In 2015 NNSA celebrated the 20th anniversary of its highly successful Stockpile Stewardship Program, which has allowed the nation to maintain confidence in the nuclear deterrent without explosive nuclear testing. Surveillance and tests performed by SRTE and SRNL make science-based stewardship feasible by confirming the safety, operability and reliability of GTSS, without performing nuclear explosive testing.

**Nuclear Threat Reduction:** In 2015, NNSA made significant progress in minimizing or eliminating weapons-usable nuclear material around the world. SRS, frequently represented by SRNL, contributed to several of NNSA’s successful initiatives to remove highly enriched uranium (HEU) from civilian sites, then transfer it to the Y-12 site in Tennessee for downblending.

For example, SRNL was instrumental in the return of approximately 2.2 kilograms of U.S.-origin HEU from the University of Basel in Switzerland to the United States, making Switzerland the 27th country plus Taiwan to remove all of its HEU. SRNL also had a role in NNSA’s work with Jamaica and Canada to convert Jamaica’s Safe LOW-POwer Kritical Experiment (SLOWPOKE) reactor from U.S.-origin HEU fuel to low-enriched uranium fuel, rendering the Caribbean region completely free of HEU.



## SRNS provides funding for North Augusta’s Downtown Greenway Connector study

On March 17, SRNS provided a \$25,000 donation to North Augusta FORWARD for the Downtown Greenway Connector (DGC) Study.

SRNS Executive Vice President and COO Dave Eyler (left) and North Augusta FORWARD Executive Director Charles Martin joined other representatives from both organizations for the event.

The DGC will provide a bicycle and pedestrian connection between downtown North Augusta and the Greenway that will foster economic development, pride and iconic identity. North Augusta FORWARD contracted with Alta Planning and Design to conduct the DGC study, which focuses on the feasibility, routing and design of the proposed DGC.

“We are so grateful for this donation from SRNS,” said North Augusta FORWARD Director Mary Anne Bigger. “SRNS employees make up a large number of our friends and neighbors, so their investment in our local community is meaningful and appreciated.”

## SC Manufacturers Alliance names SRNS as a winner in safety excellence

The South Carolina Manufacturers Alliance has named SRNS as a Safety Award winner for excellence in 2015 safety performance.

Combined, SRNS Operations and Construction worked more than 9.6 million hours during calendar year 2015. Four injuries required a day away from work in Operations, while Construction completed the year without a single lost time injury.

“I am humbled by the external validations that SRNS receives for excellence in safety performance,” said Carol Johnson, SRNS President and CEO. “This recognition from the SC Manufacturers Alliance further supports that our people-focused approach to safety performance is not only the right way to conduct business, but absolutely critical to sustaining worker safety and addressing our mission to DOE.”

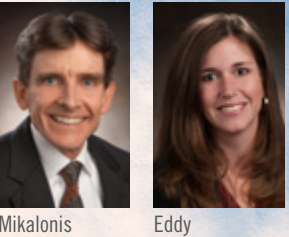
Johnson continued, “When compared to similar work across our industry, it is clear that SRNS employees take their work seriously, not only for their own safety but the safety of their peers and the community.”

## United Way of Aiken honors SRNS and employees for contributions

During the United Way of Aiken County’s annual meeting on March 10, SRNS employees received five achievement awards that recognize the impact they made to the Aiken County community.

SRNS won the “Highest Employee Achievement Award” for contributing \$563,084, the “Second Highest Corporate Contribution Award” for its \$200,000 corporate match, and “Highest Overall Campaign” for 2015.

“SRNS continues to provide the largest overall contribution for the United Way of Aiken County’s campaign,” said Sharon Rodgers, President, United Way of Aiken County. “The level of generosity, leadership and passion for the community exhibited by SRNS employees remains unsurpassed. Even though our economy is improving, many are not benefitting and continue to struggle. Your contributions provide a safety net for these individuals and offer them a chance for a better life.”



Two SRNS employees also received individual awards for their volunteering efforts with United Way.

John Mickalonis of SRNL received the “Russell A. Foret Volunteer of the Year Award” for his five-plus years of service with the United Way of Aiken County. Mickalonis served as the 2015 campaign chairman and is a member of the Care Councils and the executive committee of the UW’s board of directors.

“I’m honored to be recognized for this award. I really enjoyed my term as the United Way’s campaign chairman,” said Mickalonis. “I would especially like to thank my fellow board members for their hard work and dedication. You played an instrumental role in helping us achieve the second highest fundraising total for a campaign in United Way of Aiken County history.”

Teresa Eddy of SRNS was presented with the “Campaign Leader of the Year Award” for chairing the 2015 SRNS Employee United Way Campaign.

United Way also recognized Jim Moore, SRNS loaned professional, for his efforts in assisting businesses, schools, state agencies, and county and city governments with United Way campaigns.

SRNS employees raised over \$1 million for nine United Way agencies during the 2015 annual campaign, and SRNS provided a \$200,000 corporate match.





## SRNS steps out at the Heart Walk



**Photo, above:** Many of the hundreds of SRNS employees walked in honor of loved ones, including Jana Chavous, who honored her father and grandfather.

**Photo, top:** Richard Hudson (from left), Wade Cockrell, Elaine Maldonado, Brenda Jenison, Speedy Baughman and Chip Jenison were among the SRNS employees at the Heart Walk.



### Employees, SRNS raise \$80,000 for annual benefit

More than 300 SRNS employees were among 5,000 area residents who hit the trail for the 2016 CSRA Heart Walk on March 5. The annual event at the North Augusta Greenway promotes awareness of heart-healthy living and benefits the American Heart Association.

"The American Heart Association is so thankful for the support from the employees at Savannah River Nuclear Solutions," said Kayla Kranenberg, Director of Development, CSRA Heart Walk. "Since 2009, SRNS has made a major impact as a top contributor to our campaign, and several SRNS employees qualify every year as 'Top Walkers' for raising over \$1,000."

Over the course of the Site campaign, SRNS employees raised \$73,383, and SRNS provided an additional philanthropic-giving donation of \$10,000.

"I want to extend my thanks to our team captains and contributors. Your hard work made this year's campaign a great success," said Wallis Spangler, SRNS Senior Vice President for NNSA Operations and Programs, and Executive Sponsor of the 2016 SRNS Heart Walk Campaign.

Proceeds from the CSRA Heart Walk will help fund the American Heart Association's life-saving initiatives, such as research for the treatment of cardiovascular disease and stroke, the number one and number five killers of men and women in the United States respectively.



SRNS employees gathered for a group shot at the Heart Walk.



SRNS' Donny Barfield fixes a downspout at the Aiken Area Council on Aging.

## Hammer time!

### Employees work on their day off to volunteer with Project Vision

Approximately 200 SRNS employees volunteered to work March 18 at United Way (UW) agencies and private homes to improve the lives of Aiken County citizens during this year's Project VISION event, a part of SRS "Days of Caring" United Way program. Team projects include minor electrical work, painting, repairing flooring, installing drywall, building fences, fixing faulty plumbing and yard work. According to SRNS Project VISION Coordinator Joey Smiley, volunteers take on projects to improve the living conditions of disadvantaged children, low-income senior citizens, the disabled and financially challenged single parent homeowners. Volunteers may also assist UW agencies, such as Helping Hands, Tri-Development Center, Community Medical Clinic of Aiken County, Children's Place or the Cumbee Center to Assist Abused Persons.



Ron DeLorey and Joe Ormond (photo left, from left) repair flooring at the Aiken Area Council on Aging; Diana Bowers paints at the Child Advocacy Center of Aiken.



### SRNS attends military career, resource fair sponsored by Wilson

SRNS employment recruitment personnel attended the Military Career and Resource Fair, sponsored by Congressman Joe Wilson, on March 10 at the Graniteville National Guard Armory. Information on employment opportunities for both SRNS and SRNL was offered at the event, providing community networking opportunities to veterans who are looking for internships or full-time employment. Pictured at the event are Congressman Joe Wilson (center), and SRNS representatives Christopher Polonski and Nate Diakun.



In the high school category, Hope Grant (left) of Westside High (left) took second place, and Srikrishnan Raju of Lakeside High was third. Reece Spradley of Batesburg-Leesville High (not pictured) won first place.

### Science and Engineering Fair

More than 200 science-savvy students from 42 schools in six counties in the greater Aiken-Augusta area recently participated in the 2016 Savannah River Regional Science and Engineering Fair competition, hosted by DOE and SRNS.

With the support of co-sponsor University of South Carolina Aiken (USCA), SRNS coordinated the competition for the ninth year. Volunteers from SRS, USCA and the community participate as officials and judges for this competition.

Winners will go on to participate in regional and state fairs. The best go on to attend the International Science and Engineering Fair in Phoenix, Ariz.



# Savannah River Nuclear Solutions

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