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SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

A Fluor Daniel partnership with Northrop Grumman and Honeywell

Celebrating
two remarkable
years

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Savannah River
Nuclear Solutions, LLC
A Fluor Daniel Partnership



Garry Flowers
President and CEO



Two years ago, Savannah River Nuclear Solutions became the management and operating contractor at the Department of Energy's Savannah River Site and we quickly learned why SRS is such a significant place.

Since that day in 2008, we have celebrated the operation of the A Area Biomass Facility, construction progress at the Waste Solidification Building and a major expansion of the FBI's Radiological Evidence Evaluation Facility in the Savannah River National Laboratory. We've met our missions, making tremendous strides to update business systems and information technology assets, and served our customer's needs in materials productions and operations.

We take great pride in our remarkable progress because of the infusion of American Recovery and Reinvestment Act dollars and the general acceptance by and involvement in our surrounding communities.

Thank you for your continued support over the past two years. I look forward to the years to come with great anticipation. Please take a moment to review this special publication, which celebrates our many accomplishments.



ARRA: jobs for thousands plus accelerated cleanup

SRS received \$1.615 billion in funding under the American Recovery and Reinvestment Act for accelerated cleanup work and to create or retain about 3,000 jobs. More than 14,000 people attended job fairs, and since last August, more than 3,000 workers were hired or jobs retained. Small businesses were awarded \$218 million in contracts, with \$124 million awarded within the CSRA. Cleanup activities include P and R reactors, closure of four geographic areas, facility demolition and shipping more than 5,000 cubic meters of waste out of South Carolina.



P Reactor leads the way

SRS regulators agreed to an in-situ end state for P Reactor, the first of five SRS production reactors to be decommissioned. The end state was endorsed by the Environmental Protection Agency and the S.C. Department of Health and Environmental Control. Because P Reactor is the first SRS reactor area cleanup, this approach sets the stage for subsequent closures.



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good to meet you, too

In the first few days of August 2008, the SRNS leadership team fanned out across the Site, spending time at barricades, gates and cafeterias meeting and greeting the extraordinary men and women of SRNS. DOE termed the SRNS transition to SRS M&O contractor "flawless."

safety first

SRNS operations and subcontractor personnel have surpassed 10 million hours without a lost work day due to injury. SRNS construction employees have surpassed 24 million hours. SRNS has received eight awards for safe performance by the National Safety Council, the South Carolina Manufacturer's Alliance and the South Carolina Chamber of Commerce.



FBI lab expansion at SRNL

The FBI and SRNL held a ribbon cutting ceremony for a major expansion of the FBI's evidence examination facilities at SRNL on June 3, 2010. The new facilities will enhance the FBI's ability to conduct forensic examination of radiologically contaminated evidence.

H Canyon: benchmark facility

SRS is recognized as a benchmark federal facility for nuclear operations, materials production and nuclear safety. H Canyon completed all planned processing campaigns including material from Y-12, Los Alamos National Laboratory and Oak Ridge.

modernized business systems

SRNS is aggressively pursuing modernizing the Site's business processes to improve transparency and efficiency. Updated systems incorporate modern information technology to provide timely, accurate and integrated information and enable business process re-engineering and implementation of industry best practices by using an integrated suite of commercial off-the-shelf software.



K Cooling Tower implosion

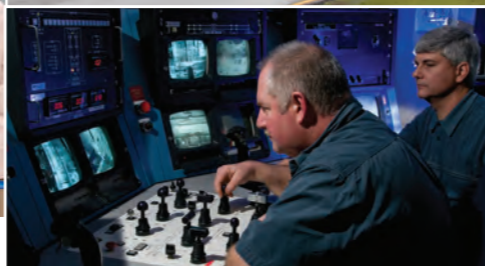
The SRS K Cooling Tower was demolished on May 25, as part of the sitewide Footprint Reduction Initiative funded by ARRA. The tower was situated just east of K Reactor and was leveled with a controlled implosion. The resulting rubble is being transported to an SRS landfill for permanent disposal.

Waste Solidification Building

On January 16, 2009, SRS and community leaders broke ground for the Waste Solidification Building, the second facility in SRS's plutonium disposition complex. Progress in construction continued with the first major pour completed on the night of March 14, 2010. The \$345 million facility will process liquid waste streams from the Mixed Oxide Fuel & Fabrication Facility and Pit Disassembly and Conversion.

last DUO shipped from F Area

F Area employees marked a milestone when they shipped the last 1,352 pallets, containing 5,408 drums of depleted uranium oxide (DUO), out of F Area and to a Utah disposition facility. The drum storage building is being turned over to the National Nuclear Security Administration for future use.



Australian spent nuclear fuel

L Area safely received, handled and stored over 14 kilograms of highly enriched uranium in SNF from Australia. L Area engineers also performed fuel inspections at Australian reactors. L Area employees also safely received and stored foreign research reactor fuel from Japan, Israel, Turkey and Chile.

on the road again

The SRS public tour program was reinstated after a successful pilot program conducted in March. Since September 11, 2001, only mission-related tours were allowed at SRS. Online registration for the pilot filled 300 tour seats in less than 24 hours.



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Photos

(clockwise from left)

- > SRNS managers "meet and greet" employees
- > ARRA workers
- > CNBC at P Reactor
- > ARRA job fair
- > K Cooling Tower implosion
- > WSB groundbreaking
- > L Area activities
- > H Canyon
- > FBI lab expansion at SRNL
- > TRU shipment

august

SRNL leads 10-partner team as DOE's virtual Hydrogen Storage Engineering Center of Excellence

DOE selected a team led by the Savannah River National Laboratory (SRNL) as its new Hydrogen Storage Engineering Center of Excellence. This is a virtual center made up of 10 partners at various locations around the country, and is anticipated to run for five years. The Center supports the President's Advanced Energy Initiative to reduce our nation's dependence on foreign energy sources by changing the way we power our cars, homes and businesses.



TRU milestones marked in accelerated campaign

The transuranic waste disposition operation marked numerous milestones in SRNS's first two years. Stoked by Recovery Act dollars, the TRU program sent its 30,000th drum, its 1,000th shipment and its first shipment of remote-handled waste to the Waste Isolation Pilot Plant (WIPP).



Uranium commitment to TVA met

SRNS completed its commitment to TVA for a low-enriched uranium (LEU) solution that will be converted into commercial reactor fuel. To meet nonproliferation objectives and to convert the material to a useful peacetime form, the HEU Blend Down Program was established using SRS facilities and people. This project saves taxpayers an estimated \$750 million in storage and disposal costs for the legacy uranium, saves TVA about \$150 million in uranium costs and supports efforts to reduce dependency on coal-produced electricity.

Neptunium materials destined for deep space

The last of SRS's neptunium inventory was stabilized and shipped, providing a source for power expected to satisfy the nation's space program needs for the next 20-30 years. This neptunium, which represents the last of the U.S. neptunium inventory, was safely converted from a liquid into a powder form and shipped to the Idaho National Laboratory (INL). It will be loaded as a target into reactors at INL and Oak Ridge to produce plutonium-238, which will be used in NASA's deep space probes.



Nevada Test Site reactor components dissolved

The last components from a Nevada Test Site reactor were recently processed in H Canyon. The reactor, called the Super Kukla Prompt Burst Reactor, operated from 1964-1978. The uranium was shipped to SRS beginning in early 2008, in support of DOE's plans to consolidate and disposition surplus nuclear material. The 324 shipping containers were received in the K Area Complex, where it was stored until it could be sent to H Canyon for processing. The first transfer from KAC to H Canyon was completed in 2008, and shipments and processing continued for the next 15 months. In April 2009, the last of the material was successfully dissolved.

golden performance

Tritium Programs continued its perfect record of more than 50 years without missing a shipment to the Department of Defense.



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