

from Savannah River Nuclear Solutions, LLC

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FOR IMMEDIATE RELEASE

Multi-Year Modernization Project Comes to Fruition

AIKEN, S.C. – July 25, 2013 – Capping an effort that has been under way since October 2006, Savannah River Tritium Enterprise (SRTE) operations formally adopted a new replacement for the system that tracks tritium reservoirs throughout their lifecycle. The National Nuclear Security Administration (NNSA), SRTE and Savannah River National Laboratory all rely on the system's data to manage reservoir processing, account for controlled material and maintain a reliable reservoir inventory.

The previous Automated Reservoir Management System (ARMS) was based on hardware and software architecture that were approaching obsolescence, so the solution was a multi-year project to implement its modernized replacement: ARMS II.

"This is an important achievement in the Savannah River Site's support for NNSA's national security mission," said Doug Dearolph, NNSA Savannah River Field Office Manager. "We've been working for the past several years to modernize the system to ensure that critical ARMS functionality remains available to support the needs of the NNSA."

"The successful implementation of ARMS II is the result of excellent planning and the long term commitment of a large team of folks, each bringing their individual expertise to the project," says Dennis Donati, Savannah River Nuclear Solutions Senior Vice President for NNSA Operations and Programs. "The team of programmers, computer hardware support personnel, facility engineering, operations, training, procedure writers and others accepted ownership for the success of this project from the start. Their daunting task included programming nearly one million lines of current ARMS code, the effective migration of 25 years of historical processing data, and coordination with all stakeholders across the complex on the details of the outage schedule to ensure no mission impacts."

In early 2012, SRTE started up one of the ARMS II functions, H1616 Container Management. This forerunner to the full system allowed SRTE to evaluate the user interface design, and produced useful lessons for the final implementation.

Over the course of the project, SRTE performed three separate phases of software testing, and obtained cooperation from across the NNSA Nuclear Security Enterprise to enable a four-week facility outage to complete the implementation. Tritium Operations accepted ARMS II for use on July 16.

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SRTE, operated for NNSA by Savannah River Nuclear Solutions (SRNS), is a key element in NNSA's Nuclear Security Enterprise. Its support of the nation's defense includes missions related to the supply of tritium (an isotope of hydrogen that is a key component of the nation's defense), nuclear stockpile maintenance, stockpile evaluation, and recovery of helium-3

Savannah River Nuclear Solutions, LLC, is a Fluor led company whose members are Fluor Federal Services, Newport News Nuclear and Honeywell, responsible for the management and operations of the Department of Energy's Savannah River Site, including the Savannah River National Laboratory, located near Aiken, South Carolina.

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