



Savannah River Nuclear Solutions, LLC

Analytical Laboratories: **Nondestructive Analysis**



Mission: To safely provide accurate and timely nondestructive (neutron, gamma ray, and calorimetry) analyses in support of nuclear materials processing and storage facilities for nuclear materials control and accountability, waste assay and characterization, process holdup determination, nuclear safety, DOE STD 3013 compliance, and deactivation and decontamination efforts.

Measurement Capabilities

	Plutonium	Uranium	Tritium	Neptunium/Americium	Cs-137
Accountability/ Verification and Confirmation Shipper-Receiver Verification and Nuclear Safety Verification	Neutron Multiplicity Counters, Calorimeters, Installed and Portable Far and Near Field Gamma Ray Systems, including ISOCS	Active Well (Neutron) Coincidence Counter, Active/Passive Neutron Multiplicity Counter, Installed and Portable Near Field Gamma Ray Systems, including ISOCS, Research Reactor Fuel Counter (Neutron)	Calorimeters	Installed and Portable Far and Near Field Gamma Ray Systems, including ISOCS	
Waste	Installed and Portable Far and Near Field Gamma Ray Systems, including ISOCS	Installed and Portable Far and Near Field Gamma Ray Systems, including ISOCS		Installed and Portable Far and Near Field Gamma Ray Systems, including ISOCS	Installed and Portable Far and Near Field Gamma Ray Systems
Holdup	Portable Far and Near Field Gamma Ray Systems	Portable Far and Near Field Gamma Ray Systems		Portable Far and Near Field Gamma Ray Systems, including ISOCS	Portable Far and Near Field Gamma Ray Systems
DOE STD 3013 Compliance	Installed Prompt Gamma Ray System				

For all your nondestructive analysis needs, please contact:

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