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**APPENDIX 18**

**REV. 3**

**G-FSP-G-00018**

**Functional Service Agreement Between  
Savannah River Nuclear Solutions, LLC  
and  
Savannah River Remediation, LLC**

**Waste Disposal Support**

**October 1, 2014**

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## **1.0 INTRODUCTION**

This Functional Service Agreement (FSA), Appendix 18 of Memorandum of Agreement (G-MOA-G-00002) describes the service exchange between the Savannah River Site (SRS) Site Management and Operations (M&O) contractor, Savannah River Nuclear Solutions, LLC (SRNS) and Savannah River Remediation LLC (SRR).

This appendix describes the baseload work to be provided. Included as part of baseload activities may be programmatic responsibilities for the Site, as well as certain tasks related to ensuring/interpreting program effectiveness and activities considered to be part of Site Landlord and Site Services. Task-related activities outside of the agreed upon services documented in this FSA will be documented as part of the Service Level Agreements (SLAs). The parties agree to review this FSA at least annually and revise it if changes are needed as determined by both parties.

## **2.0 POLICIES, PROCEDURES, AND MANUALS**

The following policies, procedures, and manuals will be maintained for the Site by SRNS.

The following SRNS procedures and policies apply when services are provided:

Manual Number	Manual Title	Applicable Sections
11Q	Facility Safety Document Manual	Procedure 1.09, Generation, Review, Control and Approval of Radioactive Waste Management Basis
1S	SRS Radioactive Waste Requirements Manual	Chapters 1 through 9

## **3.0 CODES AND STANDARDS**

DOE Order 435.1, Chg. 1 "Radioactive Waste Management"

FFA, 1993. Federal Facility Agreement for the Savannah River Site, Administrative Document No. 89-05-FF (Effective Date: August 16, 1993)

Public Law 108-375 Section 3116, National Defense Authorization Act for FY2005

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#### **4.0 WASTE DISPOSAL SUPPORT SERVICES**

##### **4.1 SRNS Roles and Responsibilities**

SRNS roles and responsibilities in support of SRR's mission in the area of waste disposal support include the following:

- Ensure coordination with SRR in areas that have the potential to affect input parameters and technical assumptions in decision-making activities (e.g., General Separations Area [GSA] groundwater database)
  - Coordinate consistency reviews of U.S. Department of Energy (DOE) Order 435.1 work products (e.g., Performance Assessments (PA) and Composite Analysis (CA) Annual Reports and Maintenance Plans).
  - Develop and maintain the Savannah River Site (SRS) Composite Analysis, seeking SRR's input for sources related to the Liquid Waste facilities.
  - Assist in the development of Waste Incidental to Reprocessing (WIR) Citation interpretations, as requested by SRR, to ensure consistent interpretations across SRS, and approve all WIR Citation interpretations and WIR Evaluations for waste that will be disposed of in E-Area facilities.
  - Seek approval from SRR for all waste declarations of H-Canyon streams that support sending waste streams to Tank 50 as low-level waste.
  - Provide assistance on matters related to South Carolina Pollution Control Act, Resource Conservation and Recovery Act, and Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) interpretation and implementation, as requested by SRR.
  - Provide scientific support, as requested by SRR, for the bases of the assumptions included in the performance assessment documentation (e.g., cementitious materials properties, corrosion of materials over time, transport of materials under varying conditions, etc.)
  - Provide support, as requested by SRR, in the development and execution of fate and transport models associated with PAs for Saltstone Disposal Facility (SDF), F-Tank Farm (FTF) and H-Tank Farm (HTF).
  - Provide independent review support, as requested by SRR, for specific aspects of PAs, Special Analyses, or Unreviewed Waste Management Question Evaluations (UWMQE).
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#### 4.2 SRR Roles and Responsibilities

SRR will perform the services specified in Contract No. DE-AC09-09SR22505, listed in part below:

- Assist DOE-Savannah River (SR) in preparation of documentation for §3116\* waste determinations, including supporting documentation such as PAs to support salt waste disposal at the Saltstone Disposal Facility (SDF) and operational closure of waste storage tanks and associated ancillary equipment in both the F-Tank Farm (FTF) and the H-Tank Farm (HTF).
- Assist DOE-SR in the preparation of permit applications/modifications and closure plans and associated negotiations with South Carolina Department of Health and Environmental Control (SCDHEC) regarding treatment of salt waste in the Saltstone Processing Facility (SPF) and subsequent disposal in the SDF, and operational closure of waste storage tanks in FTF and HTF.
- Assist DOE-SR in all interactions/negotiations with the Environmental Protection Agency (EPA) regarding Federal Facility Agreement (FFA) commitments for operational closure activities in FTF and HTF.
- Assist DOE-SR in all interactions with Nuclear Regulatory Commission (NRC) on §3116(b) monitoring programs associated with Liquid Waste facilities and projects. SRR may request SRNS support on various environmental-related matters (e.g., environmental monitoring and site-wide permitting programs).
- Coordinate with SRNS during revisions of DOE Orders (e.g., DOE Order 435.1) pertaining to high-level and low-level waste activities to ensure consistency across SRS in implementation.
- Coordinate with SRNS to ensure that changes to the Composite Analysis input for sources related to the Liquid Waste facilities are incorporated.
- Provide support, as requested by SRNS, during development of (or revisions to) the SRS Composite Analysis for sources related to the Liquid Waste facilities.
- Coordinate with SRNS during the development of the annual request submitted to DOE-SR to generate waste with no identified path to disposal.
- Provide membership support to the SRS 435.1 Working Group.

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\* Section 3116 (a) of the Ronald W. Reagan National Defense Authorization Act for Fiscal Year 2005

**5.0 INTERFACE CONTROL INFORMATION**

SRNS and SRR shall work together to perform the following:

- Prepare for negotiations, as appropriate, with regulatory agencies on waste disposal issues involving both SRNS and SRR facilities and/or operations to ensure DOE-SR's overall, long-term interests are supported.
- Participate in Integrated Project Teams (IPT) to address SRS crosscutting activities involving waste disposal issues to ensure a consistent, integrated, and fully coordinated approach to regulatory compliance and regulator relationships by the SRS, as appropriate, based on scope of the IPT.

**6.0 SERVICE UNIT INFORMATION**

See Section 6 and Attachment 1 of MOA (G-MOA-G-00002).

**7.0 POINTS OF CONTACT**

Both parties shall assign single Points of Contact (POCs) who will be responsible for coordinating and administering all matters related to this agreement. All requests for services shall flow through these POCs (or their functional designees). The following persons serve as POCs for this agreement:

SRNS: Chris Bergren, SRNS Environmental Compliance and Area Completion Projects

SRR: Steve Thomas, SRR Waste Disposal Authority

**8.0 APPROVALS**

SRNS: Alice Doswell 9-12-14  
Alice Doswell Date

SRR: Kent Fortenberry 9-12-2014  
Kent Fortenberry Date