



Federal Facility Agreement Annual Progress Report for Fiscal Year 2018

SRNS-RP-2018-00810

November 2018

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and
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LIST OF ABBREVIATIONS AND ACRONYMS

BRA	Baseline Risk Assessment
CA	Corrective Action
CAR	Corrective Action Report
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CMI/RAIP	Corrective Measures Implementation/Remedial Action Implementation Plan
CMP	Chemicals, Metals, and Pesticides
CMS/FS	Corrective Measures Study/Feasibility Study
CPRB	Coal Pile Runoff Basin
D&D	Deactivation and Decommissioning
DACSA	D-Area Coal Storage Area
EA	Early Action
EE/CA	Engineering Evaluation/Cost Analysis
ECO	ecological
ECODS	Early Construction and Operational Disposal Site
EMP	Effectiveness Monitoring Plan
EMR	Effectiveness Monitoring Report
FMB	Fourmile Branch
FFA	Federal Facility Agreement
FS	Feasibility Study
FSP	Field Sampling Plan
FTF	F-Area Tank Farm
FY	Fiscal Year
Geo	geosynthetic
GMR	Groundwater Monitoring Report
GOSB	G-Area Oil Seepage Basin
GSA	General Separations Area
GSACU	General Separations Area Consolidation Unit
GWM	Groundwater Monitoring
GWMZ	Groundwater Mixing Zone
HTF	H-Area Tank Farm
HWMF	Hazardous Waste Management Facility
IOU	Integrator Operable Unit
IROD	Interim Record of Decision
LLC	Limited Liability Company
LUC	Land Use Control
LUCAP	Land Use Control Assurance Plan
LUCIP	Land Use Control Implementation Plan
LLWF	Low-Level Waste Facility
MASB	M-Area Settling Basin
Met Lab	Metallurgical Laboratory
NBN	No Building Number

LIST OF ABBREVIATIONS AND ACRONYMS *(Continued/End)*

ORWBG	Old Radioactive Waste Burial Ground
OU	Operable Unit
PCB	polychlorinated biphenyl
PCR	Post Construction Report
PE	Professional Engineer
PER	Performance Evaluation Report
POC	Point of Compliance
PP	Proposed Plan
RADP	Removal Action Design Plan
RAR	Removal Action Report
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RI	Remedial Investigation
ROD	Record of Decision
RSER	Removal Site Evaluation Report
SAP	Sampling and Analysis Plan
SCDHEC	South Carolina Department of Health and Environmental Control
SE	Site Evaluation
SEA	Site Evaluation Area
SEMS	Superfund Enterprise Management System
SB/PP	Statement of Basis/Proposed Plan
SRL	Savannah River Laboratory (now SRNL)
SRNL	Savannah River National Laboratory
SRNS	Savannah River Nuclear Solutions, LLC
SRS	Savannah River Site
S/S	stabilization/solidification
SWP	Southwest Plume
TA	temporary authorization
TCE	trichloroethylene
UIC	underground injection control
USDA	United States Department of Agriculture
USDOE	United States Department of Energy
USDOE-SR	United States Department of Energy-Savannah River
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound
WADB	Wetland Area at Dunbarton Bay
WSTS	Western Sector Treatment System

1.0 INTRODUCTION

The Savannah River Site (SRS) Federal Facility Agreement (FFA) was negotiated between the United States Department of Energy (USDOE), the United States Environmental Protection Agency - Region 4 (USEPA), and the South Carolina Department of Health and Environmental Control (SCDHEC), collectively designated as the “Parties.” USEPA made the FFA effective on August 16, 1993. The preparation and submittal of this report have been undertaken to meet the terms of Section XXV, Reporting, of the FFA.

This FFA Annual Progress Report summarizes information on activities performed during Fiscal Year (FY) 2018 (October 1, 2017 through September 30, 2018) and activities planned for FY2019 (October 1, 2018 through September 30, 2019) by USDOE, USEPA, and SCDHEC at those units and areas identified for remediation in the FFA.

This report is presented in the sections described below.

1.1 Overview of FY2018

This section contains a brief overview of the actions taken by USDOE, USEPA, and SCDHEC during FY2018 to implement the terms of the FFA.

1.2 Outcome of Extension Notifications and Requests

This section presents the information about Extension Notifications and Extension Requests affecting FFA main milestones in tabular form.

1.3 Status of Site Evaluation Areas, Resource Conservation and Recovery Act/Comprehensive Environmental Response, Compensation, and Liability Act Units, and Integrator Operable Units

This section presents the information below in tabular form:

- List of planned work for FY2018, including milestones, document submittals, risk assessments, site evaluations, remediation activities, and other field activities;
- List of work accomplished in FY2018, as documented in Appendix D of the FFA;
- List of work accomplished in FY2018, not documented in Appendix D of the FFA;
- List of activities extended by a Three-Party Agreement during FY2018; and a
- List of work planned for FY2019, as documented in preliminary milestone agreements, including milestones, document submittals, risks assessments, site evaluations, remediation activities, and other field activities.

1.4 USDOE-Savannah River (SR) Contractors

Table 1 identifies the USDOE-Savannah River (SR) contractors and their responsibilities.

2.0 OVERVIEW OF FY2018

The following subsections contain a synopsis of activities and accomplishments achieved by USDOE, USEPA, and SCDHEC throughout FY2018.

2.1 Field Activities

The Environmental Compliance and Area Completion Projects currently has 515 units in the program. Included in the 515 units are Resource Conservation and Recovery Act (RCRA)/Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Units, Site Evaluation Area (SEAs), and facilities covered under the SRS RCRA permit renewal. At the beginning and end of FY2018, 418 units were complete or in the remediation phase (408 complete and 10 in the remediation phase).

A Remedial Investigation (RI) Field Start was initiated at the Savannah River and Floodplain Swamp Integrator Operable Unit (IOU) (Including Beaver Dam Creek [No Building Number, {NBN}]) Fourth Phase II.

During FY2018, USDOE installed hog barrier fences. These fences are not required by any Record of Decision (ROD), Land Use Control Implementation Plan (LUCIP), or any other regulatory requirement. They were installed by USDOE as a cost-saving initiative to prevent damage by feral hogs to caps/covers that USDOE are required to maintain over waste left in place for protection of human health and the environment.

Hog barrier fence installation was completed as a cost-saving maintenance activity to protect soil covers/engineered caps at the General Separations Area Consolidated Unit (GSACU) (specifically, HP-52 Outfall).

In addition, hog barrier fence installation was initiated at the D-Area Ash Basins (488-D, 488-1D, and 488-2D) and D-Area Ash Landfill (488-4D).

2.2 RODs and/or Explanation of Significant Differences

A ROD was issued for the Wetland Area at Dunbarton Bay (WADB) in Support of Steel Creek IOU.

The Fifth Five-Year Remedy Review Report for SRS Operable Units (OUs) with Engineered Cover Systems and the Fifth Five-Year Remedy Review Report for SRS OUs with Geosynthetic or Stabilization/Solidification Cover Systems were approved and issued.

The Fifth Five-Year Remedy Review Report for SRS OUs with Operating Equipment was submitted and approved.

2.3 Post-ROD Documents

A Corrective Measures Implementation/Remedial Action Implementation Plan (CMI/RAIP) and a LUCIP were submitted for the WADB in Support of Steel Creek IOU.

2.4 Annual Update of FFA Appendices

USDOE submits six (6) FFA appendices to USEPA and SCDHEC for their review, comment, and approval each fiscal year as discussed below.

2.4.1 Appendices C, G, H, and K

In accordance with the terms of the FFA, USDOE submitted Revision 0 of Appendix C, RCRA/CERCLA Units List, Appendix G, SEAs, and Appendix K, Deactivation and Decommissioning (D&D) Facilities for FY2018, on September 29, 2017. The SCDHEC provided comments on Revision 0 of Appendices C and K and approved Revision 0 of Appendix G on January 25, 2018. The USEPA approved Revision 0 of Appendices C, G and K on February 16, 2018. USDOE submitted Revision 1 of Appendices C and K and SRS responses to the regulatory comments on the Revision 0 appendices on February 26, 2018. The SCDHEC approved Revision 1 of Appendices C and K on March 21, 2018. Additional approval from USEPA was not required.

In accordance with the terms of the FFA, USDOE submitted Revision 0 of Appendix H, Solid Waste Management Units for FY2018, on September 29, 2017. The SCDHEC and USEPA approved Revision 0 of Appendix H on January 25, 2018, and February 16, 2018, respectively.

These four (4) appendices are due by October 1 of each year.

2.4.2 Appendix D, Timetables and Deadlines

Appendix D identifies current fiscal year milestones. After receipt of their annual budget, USDOE develops this list based on the allocated funding. Appendix D is due 30 business days after receipt of the annual budget allotment from USDOE-Headquarters. USDOE submitted the FY2018 Budget Allotment notification and Revision 0 of Appendix D for FY2018 on July 19, 2018. The SCDHEC and USEPA conditionally approved Revision 0 of Appendix D on August 2, 2018, and August 3, 2018, respectively.

Revision 0 of Appendix D for FY2018, Timetables and Deadlines, lists numerous milestone dates. These include primary documents, annual updates to the FFA Appendices, Site Evaluation Reports, supporting documents, the initiation of RCRA Facility Investigation (RFI)/RI Field Starts and Remedial Action Starts, and the issuance of RODs. All milestones

listed in Appendix D (i.e., all enforceable milestones for FY2018) were accomplished on time or ahead of schedule.

2.4.3 Appendix E, Long Term Projections

Appendix E identifies out-year milestones. The Parties use this appendix to develop an understanding of the resource needs that the implementation and oversight of the environmental restoration activities will require. In accordance with the FFA, USDOE submitted Revision 0 of Appendix E, Long-Term Projections for FY2018, on November 14, 2017. The SCDHEC provided comments on Revision 0 of Appendix E on December 21, 2017. The USEPA approved Revision 0 of Appendix E on January 4, 2018. The SRS' responses to the regulatory comments on the Revision 0 Appendix E for FY2018 were submitted on January 31, 2018. Based on the responses to the comments, the submittal of Revision 1 of Appendix E for FY2018 was not required. However, upon approval of the responses, Revision 0 of Appendix E was updated to reflect the agreements reached after the High-Level Waste Tank milestones suspension discussion as reflected in the *Suspension Agreement Federal Facility Agreement (FFA) High-Level Waste (HLW) Tank Milestones*. The SCDHEC approved the responses and the referenced Appendix E on February 20, 2018.

Appendix E is due by November 15 of each year.

2.5 Disputes

There were no disputes in FY2018. However, on September 27, 2017, USDOE requested a 45-day extension request for FFA Appendix L Items 6 (“DOE shall complete bulk waste removal efforts for three (3) tanks by 9/30/17.”) and 12 (“DOE shall complete operational closure of two (2) tanks by 9/30/17.”) (WDPD-17-46). On October 2, 2017, the SCDHEC and USEPA approved the request to finalize discussions and subsequently enter into a Suspension Agreement.

Based on discussions among USDOE, SCDHEC, and USEPA on November 1, 2017, the agencies agreed to and subsequently signed the *Suspension Agreement Federal Facility Agreement (FFA) High-Level Waste (HLW) Tank Milestones* that suspended Appendix L Items 6, 7 (“DOE shall complete bulk waste removal efforts for 6 tanks by 9/30/18.”), and 12. The Suspension Agreement was incorporated into the FFA Appendix L via a minor modification.

Based on discussions and agreements among the USDOE, SCDHEC, and USEPA, the Suspension Agreement was updated in 2018 to replace the D-Area Groundwater OU non-time critical removal action (i.e., injection wells, canal treatment with calcium carbonate) with a treatability study. The 2018 update was incorporated into the FFA Appendix L via a minor modification.

2.6 Site Evaluation Program

Section X of the FFA requires USDOE to submit to USEPA and SCDHEC Removal Site Evaluation (SE) Reports for those areas with potential or known releases of hazardous substances not identified before the effective date of the agreement. USDOE submitted the Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) for Trichloroethylene (TCE) Plume Discharging to Steel Creek in P-Area Groundwater OU during FY2018.

Section X of the FFA also requires USDOE to submit Remedial SE Reports to the USEPA and SCDHEC for those areas listed in Appendix G.1 of the Agreement. USDOE did not submit any Remedial SE Reports during FY2018.

3.0 OUTCOME OF EXTENSION NOTIFICATIONS AND REQUESTS

The FFA provides for two (2) types of extensions for milestones: 1) an Extension Notification or 2) an Extension Request.

An Extension Notification is covered under the terms of Section XXII, Review/Comment on Documents, Subsection G, Review and Comment on Documents. USEPA or SCDHEC may extend their review/comment period up to 30 days, and SRS may extend its revision period up to 30 days. These extensions require the notifying Party to provide written notification of the extension. These extensions do not require the other Party's approval. However, if an Extension Notification impacts a subsequent milestone, it may necessitate the submittal of an Extension Request.

During FY2018, SRS submitted eight (8) Extension Requests and three (3) Extension Notifications. Table 2 documents the outcome of extension notifications and requests for FY2018. The table describes the main milestone affected.

4.0 STATUS OF SEAS, RCRA/CERCLA UNITS AND IOUS

Table 3 documents work planned and accomplished in FY2018 and work planned for FY2019. Table 3 presents a listing of SEAs, RCRA/CERCLA Units, and IOUs in alphabetical order. The milestones identified in Table 3 are those listed in Appendix D of the FFA. Milestones/Submittals accomplished, not included in Appendix D, are included under the column "FY2018 Work Accomplished (Other)".

Table 1. USDOE-SR Contractors

Contractor Name	Responsibility
Savannah River Nuclear Solutions, LLC	Management & Operating Contract
Savannah River Remediation LLC	Liquid Waste Contract
Savannah River Ecology Laboratory	Ecological Research
Savannah River Archaeological Research Program	Cultural Resource Management
Centerra - SRS	Security Services
USDA Forest Service – Savannah River	Natural Resource Management
CB&I AREVA MOX Services, LLC	MOX Fuel Fabrication Facility
Parsons	Salt Waste Processing Facility
Ameresco Federal Solutions, Inc.	Supply steam and electricity

Table 2. Extension Notifications and Requests

USDOE Letter Number	Letter Date	Unit Affected	Main Milestone Affected	Request or Notification	Extension (From/To)	Outcome
IACD-18-110	11/28/2017	Lower Three Runs IOU	USDOE Thirty-Day Extension Notification for the RI/Baseline Risk Assessment (BRA) for the Lower Three Runs IOU (SRNS-RP-2017-00139, Revision 1) (Redline Pages) and SRS' Responses to the Regulatory Comments on the Revision 0 Document	Notification	12/2/2017 to 1/2/2018	N/A
IACD-18-111	11/30/2017	Fifth Five-Year Remedy Review Request for the SRS OUs with Geosynthetic (Geo) or Stabilization / Solidification (S/S) Cover Systems	USDOE Thirty (30) Day Extension Notification for the Issuance of the Fifth Five-Year Remedy Review Request for the SRS OUs with Geo or S/S Cover Systems (SRNS-RP-2016-00610, Revision 1.1) (Redline Pages) and SRS' Responses to the Regulatory Comments on the Revision 1 Document	Notification	11/30/2017 to 1/2/2018	N/A
IACD-18-123	1/10/2018	Fifth Five-Year Remedy Review Request for the SRS OUs with Engineered Cover Systems	USDOE Extension Request for the Issuance of the Fifth Five-Year Remedy Review Request for the SRS OUs with Engineered Cover Systems, Aiken, South Carolina (SRNS-RP-2016-00609, Revision 1.1, November 2017)	Request	2/7/2018 to 3/9/2018	Approved
IACD-18-124	1/18/2018	Fifth Five-Year Remedy Review Request for the SRS OUs with Geo or S/S Cover Systems	USDOE Extension Request for the Issuance of the Fifth Five-Year Remedy Review Request for the SRS OUs with Geo or S/S Cover Systems, Aiken, South Carolina (SRNS-RP-2016-00610, Revision 1.1, December 2017)	Request	2/7/2018 to 4/8/2018	Approved
IACD-18-129	2/6/2018	D-Area Ash Basin (488-1D) Inlet Basin	USDOE Extension Request for the Utilization of the D-Area Ash Basin (488-1D) Inlet Basin Water for Irrigation Purposes	Request	2/28/2018 to 6/30/2018	Approved
IACD-18-138	2/28/2018	G-Area Oil Seepage Basin (GOSB) OU	USDOE Thirty-Day Extension Notification for the RFI/RI Report with BRA and Corrective Measures Study/Feasibility Study (CMS/FS) for the GOSB (SRNS-RP-2017-00218, Revision 1) (Redline Pages) and SRS' Responses to the Regulatory Comments on the Revision 0 Document	Notification	3/5/2018 to 4/4/2018	N/A

Table 2. Extension Notifications and Requests (Continued)

USDOE Letter Number	Letter Date	Unit Affected	Main Milestone Affected	Request or Notification	Extension (From/To)	Outcome
IACD-18-141	3/15/2018	Lower Three Runs IOU	USDOE Extension Request for the Submittal of the Feasibility Study (FS) (SRNS-RP-2018-00199, Revision 0) and Subsequent Milestones for the Lower Three Runs IOU	Request	FS: 4/11/2018 to 7/10/2018 PP: 11/30/2018 to 2/28/2019 ROD: 7/17/2019 to 10/15/2019 Issue ROD: 3/27/2020 to 6/25/2020 Remedial Action Start Date: 6/30/2021 to 9/28/2021	Approved
N/A	3/23/2018	C-Area Groundwater OU	USEPA Thirty Day Extension Notification for Review of the Draft Action Memorandum and Responsiveness Summary for the Non-Time Critical Removal Action for the C-Area Groundwater OU	Notification	3/23/2018 to 4/23/2018	N/A
N/A	3/27/2018	Fifth Five-Year Remedy Review Request for the SRS OUs with Operating Equipment	USEPA Extension Request for the Fifth Five-Year Remedy Review Request for the SRS OUs with Operating Equipment (U), [SRNS-RP-2017-00567], Rev. 0, December 2017, SRS, Aiken, South Carolina*	Notification	3/21/2018 to 4/21/2018	N/A
IACD-18-158	6/19/2018	Lower Three Runs IOU	USDOE Extension Request for the Submittal of the FS (SRNS-RP-2018-00199, Revision 0) for the Lower Three Runs IOU	Request	7/10/2018 to 8/24/2018	Approved
ARF-021693	6/25/2018	D-Area Ash Basin (488-1D) Inlet Basin	488-1D North Inlet Basin Irrigation Option (email)**	Request	6/30/2018 to 8/31/2018	Approved
WDPD-18-34	7/19/2018	H-Area Tank Farm	USDOE Extension Request for Completion of Bulk Waste Removal Efforts for One Tank by 8/31/18	Request	8/31/2018 to 11/30/2019	Approved

Table 2. Extension Notifications and Requests (Continued/End)

USDOE Letter Number	Letter Date	Unit Affected	Main Milestone Affected	Request or Notification	Extension (From/To)	Outcome
IACD-18-174	8/23/2018	D-Area OU	USDOE Extension Request for the Early Action (EA) Statement of Basis/Proposed Plan (SB/PP) for the D-Area OU (SRNS-RP-2017-00723, Revision 1) and Subsequent Milestones	Request	Focused CMS/FS Letter: N/A to 4/22/2019 EA SB/PP: 10/12/2018 to 10/25/2019 Second EA ROD: 10/2/2018 to 2/18/2020 Issue Second EA ROD: 7/1/2019 to 11/10/2020 Second EA LUCIP: 7/3/2019 to 11/30/2020 Remedial Action Start: 5/31/2020 to 9/3/2021 Second EA PCR: N/A to 5/9/2022	Approved
IACD-18-183	9/25/2018	D-Area Coal Storage Area (484-17D)	USDOE Extension Request for the Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) for D-Area Coal Storage Area (484-17D) (SRNS-RP-2018-00813, Revision 0)	Request	RSER/EE/CA: 9/30/2018 to 11/30/2018 Action Memorandum: 3/31/2019 to 5/31/2019	Approved

* USEPA's letter title indicated extension request; however, it was a notification that did not require a response.

** USDOE requested the date be extended via an email instead of a letter.

N/A = not applicable

PCR = Post Construction Report

Table 3. Status of Site Evaluation Areas, RCRA/CERCLA Units, and Integrator Operable Units (by Name)

RCRA/CERCLA Units or Site Evaluation Areas	FY2018 Work Planned	FY2018 Work Accomplished (Appendix D Milestones)	FY2018 Work Accomplished (Other)	FY2019 Work Planned
A-Area Burning/Rubble Pits (731-A, 731-1A) and A-Area Rubble Pit (731-2A) and Miscellaneous Chemical Basin (741-4A) / Metal Burning Pit (731-5A) [includes the A-Area Ash Pile (788-2A)] OU	<ul style="list-style-type: none"> Submit Annual Performance Evaluation Report (PER) Conduct post-closure activities 	<ul style="list-style-type: none"> Submitted Annual PER 	<ul style="list-style-type: none"> Conducted post-closure activities 	<ul style="list-style-type: none"> Submit Annual PER Conduct post-closure activities
A-Area Miscellaneous Rubble Pile (731-6A) OU	<ul style="list-style-type: none"> Submit Annual PER Conduct post-closure activities 	<ul style="list-style-type: none"> Submitted Annual PER 	<ul style="list-style-type: none"> Conducted post-closure activities 	<ul style="list-style-type: none"> Submit Annual PER Conduct post-closure activities Submit PCR Addendum
A-Area Ash Pile (788-0A), A-Area Coal Pile Runoff Basin (788-3A), and Stormwater Outfall A-013 (NBN) OU	<ul style="list-style-type: none"> Perform berm stability inspection 		<ul style="list-style-type: none"> Performed berm stability inspection 	<ul style="list-style-type: none"> Perform berm stability inspection
B-Area Operable Unit ¹	<ul style="list-style-type: none"> Conduct post-closure activities 		<ul style="list-style-type: none"> Conducted post-closure activities 	<ul style="list-style-type: none"> Conduct post-closure activities
C-Area Burning/Rubble Pit and Old C-Area Burning/Rubble Pit OU	<ul style="list-style-type: none"> Conduct post-closure activities 	<ul style="list-style-type: none"> Submitted Biennial Effectiveness Monitoring Report (EMR) 	<ul style="list-style-type: none"> Conducted post-closure activities 	<ul style="list-style-type: none"> Submit Biennial EMR Conduct post-closure activities
C-Area Groundwater OU	<ul style="list-style-type: none"> Issue Action Memorandum and Responsiveness Summary Submit Revision 0 Removal Action Design Plan (RADP) Submit Revision 0 Effectiveness Monitoring Plan (EMP) 	<ul style="list-style-type: none"> Issued Action Memorandum and Responsiveness Summary Submitted Revision 0 RADP with EMP 	<ul style="list-style-type: none"> Submitted C-Area Groundwater RSER/EE/CA (Revision 1) 	<ul style="list-style-type: none"> Initiate Removal Action Start
C-Area Operable Unit ¹	<ul style="list-style-type: none"> Conduct post-closure activities 		<ul style="list-style-type: none"> Conducted post-closure activities 	<ul style="list-style-type: none"> Conduct post-closure activities
C-Reactor Complex	<ul style="list-style-type: none"> Conduct post-closure activities (EA) 		<ul style="list-style-type: none"> Conducted post-closure activities (EA) 	<ul style="list-style-type: none"> Conduct post-closure activities (EA)

Table 3. Status of Site Evaluation Areas, RCRA/CERCLA Units, and Integrator Operable Units (by Name) (Continued)

RCRA/CERCLA Units or Site Evaluation Areas	FY2018 Work Planned	FY2018 Work Accomplished (Appendix D Milestones)	FY2018 Work Accomplished (Other)	FY2019 Work Planned
CMP Pits (080-170G, -171G, -180G, -181G, -182G, -183G, -190G) OU	<ul style="list-style-type: none"> • Submit Annual EMR • Conduct post-closure activities 	<ul style="list-style-type: none"> • Submitted Annual EMR 	<ul style="list-style-type: none"> • Conducted post-closure activities 	<ul style="list-style-type: none"> • Submit Annual EMR • Conduct post-closure activities
D-Area Expanded OU	<ul style="list-style-type: none"> • Conduct post-closure activities 		<ul style="list-style-type: none"> • Conducted post-closure activities 	<ul style="list-style-type: none"> • Conduct post-closure activities
D-Area Groundwater OU	<ul style="list-style-type: none"> • Submit Groundwater Monitoring (GWM) Letter Report • Conduct post-closure activities • Submit Treatability Study Work Plan (Revision 0) 	<ul style="list-style-type: none"> • Submitted GWM Letter Report • Submitted Treatability Study Work Plan (Revision 0) 	<ul style="list-style-type: none"> • Conducted post-closure activities 	<ul style="list-style-type: none"> • Submit GWM Report • Conduct post-closure activities • Submit D-Area Coal Storage Area (DACSA) (484-17D) RSER/EE/CA • Submit DACSA Action Memorandum • Submit RFI/RI Work Plan (Revision 0)
D-Area Oil Seepage Basin (631-G) OU	<ul style="list-style-type: none"> • Submit Groundwater Mixing Zone (GWMZ) Report • Conduct post-closure activities 	<ul style="list-style-type: none"> • Submitted GWMZ Report 	<ul style="list-style-type: none"> • Conducted post-closure activities 	<ul style="list-style-type: none"> • Submit GWMZ Letter Report • Conduct post-closure activities

Table 3. Status of Site Evaluation Areas, RCRA/CERCLA Units, and Integrator Operable Units (by Name) (Continued)

RCRA/CERCLA Units or Site Evaluation Areas	FY2018 Work Planned	FY2018 Work Accomplished (Appendix D Milestones)	FY2018 Work Accomplished (Other)	FY2019 Work Planned
D-Area Operable Unit ¹	<ul style="list-style-type: none"> • Submit D-Area Ash Basin (488-2D) Human Health (HH) and Ecological (ECO) Evaluation for Confirmation Sampling (Revision 1) • Submit D-Area Ash Basin (488-2D) and D-Area Ash Landfill (488-4D) Removal Action Report (RAR) (Revision 1) (Professional Engineer [PE] stamped) • Submit D-Area Ash Basins (488-1D and 488-2D), D-Area Ash Landfill (488-4D), and D-Area Coal Pile Runoff Basin (CPRB) (489-D) EA SB/PP (Revision 0) 	<ul style="list-style-type: none"> • Submitted D-Area Ash Basins (488-1D, 488-2D), D-Area Ash Landfill (488-4D), and D-Area CPRB (489-D) EA SB/PP (Revision 0) 	<ul style="list-style-type: none"> • Submitted D-Area Ash Basin (488-2D) and D-Area Ash Landfill (488-4D) RAR (Revision 1) (PE Stamped) • Submitted D-Area Ash Basin (488-2D) HH and ECO Evaluation for Confirmation Sampling (Revision 1) 	<ul style="list-style-type: none"> • Submit D-Area Ash Basin (488-1D) and Inlet Basins HH and ECO Evaluation for Confirmation Sampling (Revision 0) • Submit D-Area Ash Basin (488-1D) and D-Area CPRB (489-D) RAR (Revision 0) • Submit D-Area Ash Basins (488-1D and 488-2D), D-Area Ash Landfill (488-4D), and D-Area CPRB Focused CMS/FS Letter (Revision 0) • Submit D-Area Ash Basins (488-1D and 488-2D), D-Area Ash Landfill (488-4D), and D-Area CPRB EA SB/PP (Revision 1) • Install D-Area Ash Basin (488-1D) Groundwater Monitoring Wells

Table 3. Status of Site Evaluation Areas, RCRA/CERCLA Units, and Integrator Operable Units (by Name) (Continued)

RCRA/CERCLA Units or Site Evaluation Areas	FY2018 Work Planned	FY2018 Work Accomplished (Appendix D Milestones)	FY2018 Work Accomplished (Other)	FY2019 Work Planned
E-Area Low Level Waste Facility (643-26E)	<ul style="list-style-type: none"> Conduct post-construction activities 		<ul style="list-style-type: none"> Conducted post-construction activities 	<ul style="list-style-type: none"> Conduct post-construction activities
Early Construction and Operational Disposal Site (ECODS) L-1, N-2, P-2, R-1A, R-1B, & R-1C OU	<ul style="list-style-type: none"> Conduct post-closure activities 		<ul style="list-style-type: none"> Conducted post-closure activities 	<ul style="list-style-type: none"> Conduct post-closure activities
F- and H-Area Hazardous Waste Management Facilities (HWMFs) Groundwater	<ul style="list-style-type: none"> Collect quarterly samples from Fourmile Branch (FMB) and seep line Collect monthly flow measurements and tritium samples from FMB Continue F-Area base injection system operations Submit Annual Corrective Action Report (CAR) Submit proposed Point of Compliance (POC) Wells for Appendix IX sampling Plan and initiate Silver Chloride injection into groundwater plume 		<ul style="list-style-type: none"> Collected quarterly samples from FMB and seep line Collected monthly flow measurements and tritium samples from FMB Continued F-Area base injection system operations Submitted Annual CAR Submitted proposed POC Wells for Appendix IX sampling Planned and initiated Silver Chloride injection into groundwater plume 	<ul style="list-style-type: none"> Collect quarterly samples from FMB and seep line Collect monthly flow measurements and tritium samples from FMB Continue base injection system operations Submit Annual CAR Submit proposed POC Wells for Appendix IX sampling Complete Silver Chloride injection into groundwater plume
F-Area Retention Basin (281-3F) OU	<ul style="list-style-type: none"> Conduct groundwater sampling under General Separations Area (GSA) Western Groundwater OU 		<ul style="list-style-type: none"> Conducted groundwater sampling under GSA Western Groundwater OU 	<ul style="list-style-type: none"> Conduct groundwater sampling under GSA Western Groundwater OU

Table 3. Status of Site Evaluation Areas, RCRA/CERCLA Units, and Integrator Operable Units (by Name) (Continued)

RCRA/CERCLA Units or Site Evaluation Areas	FY2018 Work Planned	FY2018 Work Accomplished (Appendix D Milestones)	FY2018 Work Accomplished (Other)	FY2019 Work Planned
GOSB (761-13G) OU	<ul style="list-style-type: none"> • Submit RFI/RI Report with BRA and CMS/FS (Revision 1) • Submit SB/PP (Revision 0) 	<ul style="list-style-type: none"> • Submitted SB/PP (Revision 0) 	<ul style="list-style-type: none"> • Submitted RFI/RI Report with BRA and CMS/FS (Revision 1) 	<ul style="list-style-type: none"> • Submit SB/PP (Revision 1) • Submit ROD (Revision 0 and 1) • Issue ROD • Submit CMI/RAIP (Revision 0)
GSACU [combines H-Area Retention Basin (281-3H), HP-52 Ponds (NBN), Old Radioactive Waste Burial Ground (ORWBG) (643-E), and Warner's Pond (685-23G)]	<ul style="list-style-type: none"> • Conduct post-closure activities 		<ul style="list-style-type: none"> • Conducted post-closure activities 	<ul style="list-style-type: none"> • Conduct post-closure activities
GSA Eastern Groundwater OU (NBN) [formerly the H-Area Groundwater OU (NBN)]	<ul style="list-style-type: none"> • Collect annual groundwater samples • Submit annual scoping summary 		<ul style="list-style-type: none"> • Collected annual groundwater samples • Submitted annual scoping summary 	<ul style="list-style-type: none"> • Collect annual groundwater samples • Submit annual scoping summary
GSA Western Groundwater OU (NBN) [formerly the F-Area Tank Farm Groundwater and F-Area Canyon Groundwater OUs (NBN)]	<ul style="list-style-type: none"> • Collect annual groundwater samples • Submit annual scoping summary 		<ul style="list-style-type: none"> • Collected annual groundwater samples • Submitted annual scoping summary 	<ul style="list-style-type: none"> • Collect annual groundwater samples • Submit annual scoping summary
Gunsite 012 OU [consisting of Gunsite 012 Rubble Pile (NBN), Rubble Pile Across from Gunsite 012 (NBN), and ECODS G-3 (NBN)]	<ul style="list-style-type: none"> • Conduct post-closure activities 		<ul style="list-style-type: none"> • Conducted post-closure activities 	<ul style="list-style-type: none"> • Conduct post-closure activities

Table 3. Status of Site Evaluation Areas, RCRA/CERCLA Units, and Integrator Operable Units (by Name) (Continued)

RCRA/CERCLA Units or Site Evaluation Areas	FY2018 Work Planned	FY2018 Work Accomplished (Appendix D Milestones)	FY2018 Work Accomplished (Other)	FY2019 Work Planned
K-Area Burning/Rubble Pit and Rubble Pile (131-K and 631-20G), and P-Area Burning/ Rubble Pit (131-P) OUs	<ul style="list-style-type: none"> • Submit Combined Groundwater Monitoring Report (GMR) (Sampling Summary) • Conduct post-closure activities 	<ul style="list-style-type: none"> • Submitted Combined GMR (Sampling Summary) 	<ul style="list-style-type: none"> • Conducted post-closure activities 	<ul style="list-style-type: none"> • Submit Combined GMR (Sampling Summary) • Conduct post-closure activities
K-Reactor Complex	<ul style="list-style-type: none"> • Conduct post-closure activities (EA) 		<ul style="list-style-type: none"> • Conducted post-closure activities (EA) 	<ul style="list-style-type: none"> • Conduct post-closure activities (EA)
L-Area Southern Groundwater OU	<ul style="list-style-type: none"> • Submit EMR (2-year Data Summary Letter) • Conduct groundwater monitoring 	<ul style="list-style-type: none"> • Submit EMR (2-year Data Summary Letter) 	<ul style="list-style-type: none"> • Conducted groundwater monitoring 	<ul style="list-style-type: none"> • Conduct groundwater monitoring
L-Reactor Complex	<ul style="list-style-type: none"> • Conduct post-closure activities (EA) 		<ul style="list-style-type: none"> • Conducted post-closure activities (EA) 	<ul style="list-style-type: none"> • Conduct post-closure activities (EA)
Lower Three Runs IOU [including P and R Pond (685G), Pre-Cooler Ponds and Canals, and Old R Area Discharge Canal]	<ul style="list-style-type: none"> • Submit RI/BRA Report (Revision 1) • Submit FS (Revision 0) • Conduct post-closure activities (EA) 	<ul style="list-style-type: none"> • Submitted FS (Revision 0) 	<ul style="list-style-type: none"> • Submitted RI/BRA (Revision 1) • Conducted post-closure activities (EA) 	<ul style="list-style-type: none"> • Conduct post-closure activities (EA) • Submit FS (Revision 1) • Submit PP (Revision 0)
M-Area Operable Unit ¹	<ul style="list-style-type: none"> • Conduct post-closure activities 		<ul style="list-style-type: none"> • Conducted post-closure activities 	<ul style="list-style-type: none"> • Conduct post-closure activities
M-Area HWMF: Vadose Zone (643-28G)	<ul style="list-style-type: none"> • Continue characterization of vadose zone • Continue operation of M-Area Settling Basin (MASB) Western Sector Treatment System (WSTS) and other vadose zone corrective action (CA) systems • Submit annual WSTS polychlorinated biphenyl (PCB) progress report 		<ul style="list-style-type: none"> • Continued characterization of vadose zone • Continued operation of MASB WSTS and other vadose zone CA systems • Submitted annual WSTS PCB progress report • Submit annual CA and GMR 	<ul style="list-style-type: none"> • Continue characterization of vadose zone • Continue operation of MASB WSTS and other vadose zone CA systems • Submit annual WSTS PCB progress report • Submit annual CA and GMR

Table 3. Status of Site Evaluation Areas, RCRA/CERCLA Units, and Integrator Operable Units (by Name) (Continued)

RCRA/CERCLA Units or Site Evaluation Areas	FY2018 Work Planned	FY2018 Work Accomplished (Appendix D Milestones)	FY2018 Work Accomplished (Other)	FY2019 Work Planned
M-Area HWMF: Vadose Zone (643-28G) <i>(continued/end)</i>	<ul style="list-style-type: none"> • Submit annual CA and GMR • Submit 2000 RCRA Part B Permit Renewal Application (Revision 10) (Certified, Clean Copy) 		<ul style="list-style-type: none"> • Submitted 2000 RCRA Part B Permit Renewal Application (Revision 10) (Certified, Clean Copy) 	
M-Area HWMF: A/M Area Groundwater Portion (904-110G)	<ul style="list-style-type: none"> • Submit Annual Appendix IX POC Well Sampling Proposal • Continued operation of the WSTS and other CA systems • Continue additional characterization of suspect volatile organic compound (VOC) sources • Continue groundwater monitoring • Submit the annual CA and GMR • Submit 2000 RCRA Part B Permit Renewal Application (Revision 10) (Certified, Clean Copy) • Submit Underground Injection Control (UIC) Permit Application for Pilot Testing of Advanced Oxidation Processes in the Western Sector of M Area HWMF • Submit Temporary Authorization (TA) Request for the Installation of RWM019 		<ul style="list-style-type: none"> • Submitted Annual Appendix IX POC Well Sampling Proposal • Continued operation of WSTS and other CA systems • Continued additional characterization of suspect VOC sources • Continued groundwater monitoring • Submitted annual CA and GMR • Submitted 2000 RCRA Part B Permit Renewal Application (Revision 10) (Certified, Clean Copy) • Submitted UIC Permit Application for Pilot Testing of Advanced Oxidation Processes in the Western Sector of M Area HWMF 	<ul style="list-style-type: none"> • Submit Annual Appendix IX POC Well Sampling Proposal • Continued operation of the WSTS and other CA systems • Continue additional characterization of suspect VOC sources • Continue groundwater monitoring • Submit the annual CA and GMR • Install RWM019

Table 3. Status of Site Evaluation Areas, RCRA/CERCLA Units, and Integrator Operable Units (by Name) (Continued)

RCRA/CERCLA Units or Site Evaluation Areas	FY2018 Work Planned	FY2018 Work Accomplished (Appendix D Milestones)	FY2018 Work Accomplished (Other)	FY2019 Work Planned
M-Area HWMF: A/M Area Groundwater Portion (904-110G) <i>(continued/end)</i>			<ul style="list-style-type: none"> • Submitted TA Request for the Installation of Recovery Well RWM019 and Conversion of RWM 9 and RWM 11 to Monitoring Wells • Began and completed in situ chemical oxidation injections in Western Sector of M Area HWMF 	
MASB Inactive Process Sewers to Manhole 1 (081-M) OU	<ul style="list-style-type: none"> • Submit Annual PER • Conduct post-closure activities 	<ul style="list-style-type: none"> • Submitted Annual PER 	<ul style="list-style-type: none"> • Conducted post-closure activities 	<ul style="list-style-type: none"> • Submit Annual PER • Conduct post-closure activities
MASB (904-51G)	<ul style="list-style-type: none"> • Conduct post-closure activities 		<ul style="list-style-type: none"> • Conducted post-closure activities 	<ul style="list-style-type: none"> • Conduct post-closure activities
Metallurgical Laboratory (Met Lab) / Carolina Bay (904-110G)	<ul style="list-style-type: none"> • Submit Annual Appendix IX POC Well Sampling Proposal • Continue groundwater monitoring • Submit annual CA and GMR • Continue operation of the existing Met Lab recovery wells and BaroBall™ wells • Conduct post-closure activities • Submit 2000 RCRA Part B Permit Renewal Application (Revision 10) (Certified Clean Copy) 		<ul style="list-style-type: none"> • Submitted Annual Appendix IX POC Well Sampling Proposal • Continued groundwater monitoring • Submitted annual CA and GMR • Continued operation of the existing Met Lab recovery wells and BaroBall™ wells • Conducted post-closure activities • Submit 2000 RCRA Part B Permit Renewal Application (Revision 10) (Certified Clean Copy) 	<ul style="list-style-type: none"> • Submit Annual Appendix IX POC Well Sampling Proposal • Continue groundwater monitoring • Submit annual CA and GMR • Continued operation of the existing Met Lab recovery wells and BaroBall™ wells • Conduct post-closure activities

Table 3. Status of Site Evaluation Areas, RCRA/CERCLA Units, and Integrator Operable Units (by Name) (Continued)

RCRA/CERCLA Units or Site Evaluation Areas	FY2018 Work Planned	FY2018 Work Accomplished (Appendix D Milestones)	FY2018 Work Accomplished (Other)	FY2019 Work Planned
Mixed Waste Management Facility (Groundwater)	<ul style="list-style-type: none"> Conduct operation and effectiveness monitoring of the Tritium phytoremediation system at the Southwest Plume (SWP) Maintain compliance with groundwater monitoring Submit the proposed POC Wells for Appendix IX sampling Submit Annual CAR 		<ul style="list-style-type: none"> Conducted operation and effectiveness monitoring of the Tritium phytoremediation system at SWP Maintained compliance with groundwater monitoring Submitted the proposed POC Wells for Appendix IX sampling Submitted Annual CAR 	<ul style="list-style-type: none"> Conduct operation and effectiveness monitoring of the Tritium phytoremediation system at the SWP Maintain compliance with groundwater monitoring Submit the proposed POC Wells for Appendix IX sampling Submit Annual CAR
P-Area Operable Unit ¹	<ul style="list-style-type: none"> Conduct post-closure activities 		<ul style="list-style-type: none"> Conducted post-closure activities 	<ul style="list-style-type: none"> Conduct post-closure activities
P-Area Groundwater OU	<ul style="list-style-type: none"> Submit RSER/EE/CA for TCE Plume Discharging to Steel Creek in P-Area Groundwater OU (Revision 0) Submit Sampling and Analysis Plan (SAP) Addendum (Revision 0 and 1) Submit P-Area Groundwater OU Action Memorandum 	<ul style="list-style-type: none"> Submitted RSER/EE/CA for TCE Plume Discharging to Steel Creek in P-Area Groundwater OU (Revision 0) Submitted the P-Area Groundwater OU Action Memorandum 	<ul style="list-style-type: none"> Submitted RSER/EE/CA for TCE Plume Discharging to Steel Creek in P-Area Groundwater OU (Revision 1) Submitted SAP Addendum (Revisions 0 and 1) 	<ul style="list-style-type: none"> Submit RADP with EMP (Revision 0) Initiate Removal Action Start for the TCE Plume Discharging to Steel Creek in P-Area Groundwater OU
Pen Branch IOU				<ul style="list-style-type: none"> Submit Periodic Report 5 (Revision 0)
R-Area Operable Unit ¹	<ul style="list-style-type: none"> Submit Groundwater EMR Conduct post-closure activities 	<ul style="list-style-type: none"> Submitted Groundwater EMR 	<ul style="list-style-type: none"> Conducted post-closure activities 	<ul style="list-style-type: none"> Submit Groundwater EMR Conduct post-closure activities

Table 3. Status of Site Evaluation Areas, RCRA/CERCLA Units, and Integrator Operable Units (by Name) (Continued)

RCRA/CERCLA Units or Site Evaluation Areas	FY2018 Work Planned	FY2018 Work Accomplished (Appendix D Milestones)	FY2018 Work Accomplished (Other)	FY2019 Work Planned
R-Area Burning/Rubble Pits (131-R, -1R) and Rubble Pile (631-25G) OU	<ul style="list-style-type: none"> Conduct post-closure activities 		<ul style="list-style-type: none"> Conducted post-closure activities 	<ul style="list-style-type: none"> Conduct post-closure activities
R-Area Reactor Seepage Basins (904-57G, -58G, -59G, -60G, -103G, -104G) and 108-4R Overflow Basin OU	<ul style="list-style-type: none"> Submit Biennial GWMZ Report Conduct post-closure monitoring activities 	<ul style="list-style-type: none"> Submitted Biennial GWMZ Report 	<ul style="list-style-type: none"> Conducted post-closure monitoring activities 	<ul style="list-style-type: none"> Conduct post-closure monitoring activities
Sanitary Landfill (740-G) Groundwater	<ul style="list-style-type: none"> Submit Annual CA and GMR Conduct groundwater monitoring 		<ul style="list-style-type: none"> Submitted Annual CA and GMR Conducted groundwater monitoring 	<ul style="list-style-type: none"> Submit Annual CA and GMR Conduct groundwater monitoring
Sanitary Landfill (740-G)	<ul style="list-style-type: none"> Conduct post-closure activities 		<ul style="list-style-type: none"> Conducted post-closure activities 	<ul style="list-style-type: none"> Conduct post-closure activities
Savannah River and Floodplain Swamp IOU	<ul style="list-style-type: none"> Initiate Fourth Phase II Field Start 	<ul style="list-style-type: none"> Initiated Fourth Phase II Field Start 		
Silverton Road Waste Site (731-3A)	<ul style="list-style-type: none"> Conduct post-closure activities 		<ul style="list-style-type: none"> Conducted post-closure activities 	<ul style="list-style-type: none"> Conduct post-closure activities
Savannah River Laboratory (SRL) Seepage Basins (904-53G1, 904-53G2, 904-54G, 904-55G) OU	<ul style="list-style-type: none"> Conduct post-closure activities 		<ul style="list-style-type: none"> Conducted post-closure activities 	<ul style="list-style-type: none"> Conduct post-closure activities
Steel Creek IOU	<ul style="list-style-type: none"> Submit Periodic Report 6 (Revision 0) Submit WADB CMI/RAIP (Revision 0) Submit WADB LUCIP (Revision 0) Submit WADB Field Sampling Plan (FSP) (Revision 0) Issue WADB ROD 	<ul style="list-style-type: none"> Submitted Periodic Report 6 (Revision 0) Submitted WADB CMI/RAIP (Revision 0) Submitted WADB LUCIP (Revision 0) Issued WADB ROD 	<ul style="list-style-type: none"> Submitted WADB FSP (Revision 0) 	<ul style="list-style-type: none"> Submit Periodic Report 6 (Revision 1) Initiate Sixth Phase II Field Start Submit WADB CMI/RAIP (Revision 1) Submit WADB LUCIP (Revision 1)

Table 3. Status of Site Evaluation Areas, RCRA/CERCLA Units, and Integrator Operable Units (by Name) (Continued/End)

RCRA/CERCLA Units or Site Evaluation Areas	FY2018 Work Planned	FY2018 Work Accomplished (Appendix D Milestones)	FY2018 Work Accomplished (Other)	FY2019 Work Planned
Steel Creek IOU (continued/end)				<ul style="list-style-type: none"> • Submit WADB FSP (Revision 1) • Initiate WADB Remedial Action Start
T-Area Operable Unit ¹	<ul style="list-style-type: none"> • Conduct post-closure activities 		<ul style="list-style-type: none"> • Conducted post-closure activities 	<ul style="list-style-type: none"> • Conduct post-closure activities
TNX Operable Unit	<ul style="list-style-type: none"> • Submit Comprehensive Annual Groundwater and Remedial Action Effectiveness Interim Report • Conduct post-closure activities 	<ul style="list-style-type: none"> • Submitted Comprehensive Annual Groundwater and Remedial Action Effectiveness Interim Report 	<ul style="list-style-type: none"> • Conducted post-closure activities 	<ul style="list-style-type: none"> • Submit Comprehensive Annual Groundwater and Remedial Action Effectiveness Interim Report • Conduct post-closure activities
Upper Three Runs IOU	<ul style="list-style-type: none"> • Submit Periodic Report 5 (Revision 0) 	<ul style="list-style-type: none"> • Submitted Periodic Report 5 (Revision 0) 	<ul style="list-style-type: none"> • Submitted Periodic Report 5 (Revision 1) 	<ul style="list-style-type: none"> • Initiate Fifth Phase II Field Start

¹ FFA Appendix C.5 lists the Units and D&D Facilities (or Remnants) assigned to each Area Operable Unit.

APPENDIX A

Land Use Controls Units

During Fiscal Year (FY) 2000, the Parties approved the Land Use Control Assurance Plan (LUCAP) for Savannah River Site (SRS) and signed its associated Memorandum of Agreement. The LUCAP is updated periodically to include additional approved unit-specific Land Use Control Implementation Plans (LUCIPs). The unit-specific LUCIPs detail how SRS will implement, maintain, and monitor the land use control (LUC) elements of the selected remedy to ensure that the remedy remains protective of human health and the environment.

Records of Decision (RODs) have been issued for some Resource Conservation and Recovery Act (RCRA)/Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Units at the SRS in which the selected alternative is or includes LUCs. To assure United States Environmental Protection Agency, South Carolina Department of Health and Environmental Control, and the public that United States Department of Energy (USDOE) is maintaining the LUCs as stipulated, the Manager, Savannah River Operations Office, shall annually certify these units. These units are currently being controlled in accordance with the unit-specific RODs, unit-specific LUCIPs, and in accordance with the LUCAP for SRS.

Unit-specific LUCs were not part of the interim remedies at the E-Area Low-Level Waste Facility (LLWF) (Slit Trench Disposal Units 1 to 5) Operable Unit (OU) and the F-Area Tank Farm (FTF) OU (Waste Tanks 5 to 6, 17 to 20). The E-Area LLWF and the FTF OU are currently in the operational phase, and OU-specific LUCs are deferred until final closure of the entire E-Area LLWF and FTF OUs. SRS facility security and administrative controls that restrict unauthorized access to these operating facilities were not previously recognized as part of the interim remedies. In the *Fifth Five-Year Remedy Review Report for Savannah River Site Operable Units with Geosynthetic or Stabilization/Solidification Cover Systems* (SRNS-RP-2016-00610, Revision 1.1, December 2017), USDOE recommended revising the Federal Facility Agreement Annual Progress Report list of LUC Units to include these OUs to recognize SRS facility security and administrative controls that restrict unauthorized access as long-term protective of human health and the environment.

The H-Area Tank Farm (HTF) OU (Waste Tank 16) Interim ROD (Irod) (SRR-CWDA-2015-00157, Revision 1, July 2016) was issued in August 2016. The HTF OU (Waste Tank 12) Explanation of Significant Difference to the Irod (SRR-CWDA-2016-00107, Revision 0, December 2016) was issued in April 2017. A remedy evaluation was premature for inclusion in the *Fifth Five-Year Remedy Review Report for Savannah River Site Operable Units with Geosynthetic or Stabilization/Solidification Cover Systems* (SRNS-RP-2016-00610, Revision 1.1, December 2017). However, the same conditions apply to the operational HTF OU as to the E-Area LLWF and FTF OUs. Therefore, these OUs have been added to the list below to certify long-term protectiveness through compliance with the SRS facility security and administrative controls. Additional slit trench disposal units and waste tanks will be added as interim remedies are implemented.

The FY2018 certification is applicable to the following RCRA/CERCLA Units.

Unit Name	SRS Index Number(s)	SEMS Number(s)
A-Area Burning/Rubble Pits (731-A, -1A) and Rubble Pit (731-2A) and the Miscellaneous Chemical Basin/Metals Burning Pit (731-4A & -5A) OU (includes A-Area Ash Pile, 788-2A)	45, 46, 49, 101, 102, 237	28
A-Area Miscellaneous Rubble Pile (731-6A) OU	48	30
B-Area OU [consisting of Heavy Water Components Test Reactor (HWCTR) (Building 770-U) and Early Construction and Operational Disposal Site (ECODS) B-3 (East of B Area, South of Road C) (no building number [NBN]) and ECODS B-5 (Adjacent to ECODS B-3) (NBN)]	528, 530, 2003	48
C-, K-, and L-Reactor Complexes Early Action	577, 583, 584	79, 90, 91
C-Area Burning/Rubble Pit (131-C) and Old C-Area Burning Rubble Pit (NBN) OU	51, 566	31
C-Area OU Early Action [consisting of C-Area Process Sewer Lines as Abandoned (NBN), C-Area Reactor Area Cask Car Railroad Tracks as Abandoned (NBN), ECODS C-1 (Near C-Area Reactor Discharge Canal (NBN), Potential Release from C-Area Disassembly Basin (NBN), Potential Release from C-Area Reactor Cooling Water System (186/190-C)]	555, 475, 522, 240, 242	79
C-Area Reactor Seepage Basins (904-66G, -67G, & -68G) OU	53, 54, 55	60
Central Shops Burning/Rubble Pits (631-1G & -3G) OU	58, 59	50
Chemicals, Metals, and Pesticides Pits (080-170G, -171G, -180G, -182G, -183G, & -190G) OU	61, 62, 63, 64, 65, 66, 67	24
D-Area Burning/Rubble Pits (431-D & -1D) OU	32, 33	15
D-Area Expanded OU [consisting of D-Area Rubble Pit (431-2D) and D-Area Ash Basin (488-D)]	68, 273	67
D-Area Oil Seepage Basin (631-G) OU	26	27
D-Area OU Early Action [consisting of D-Area Asbestos Pit (080-20G) and D-Area Coal Pile Runoff Basin (489-D) (Northern 25%)]	69, 211	63
E-Area Low-Level Waste Facility (643-26E) OU (Slit Trench Disposal Units 1 to 5)	592	86
ECODS L-1, N-2, P-2, & R-1A, -1B, -1C OU	535, 539, 545, 540	22
F-Area Burning/Rubble Pits (231-F, -1F, & -2F) OU	34, 35, 36	14
F-Area Industrial Solid Waste Landfill (F-Area Railroad Crosstie Pile) (NBN)	279	NA*
F-Area Retention Basin (281-3F) OU	73	23
F-Area Tank Farm OU (Waste Tanks 5 to 6, 17 to 20)	283, 580	23
Ford Building Seepage Basin (904-91G) OU	75	58

Unit Name	SRS Index Number(s)	SEMS Number(s)
General Separations Area Consolidation Unit [consisting of Old Radioactive Waste Burial Ground [ORWBG] (Including Solvent Tanks 650-01E to 650-22E) (643-E), HP-52 Ponds, H-Area Retention Basin (281-3H) and Spill on 05/01/1956 of Unknown of Retention Basin Pipe Leak (NBN), Warner's Pond (685-23G) and Spill on 03/08/1978 of Unknown of Seepage Basin Pipe Leak in H-Area Seepage Basin (NBN), and Spill on 02/08/78 of Unknown of H-Area Process Sewer Line Cave-In (NBN)]	18, 29, 28, 417, 27, 405, 398	32
Gunsite 012 OU [consisting of Gunsite 012 Rubble Pile (NBN), Rubble Pile Across from Gunsite 012 (NBN), and ECODS G-3 (Adjacent to Gunsite 012) (NBN)]	163, 337, 544	78
H-Area Tank Farm OU (Waste Tanks 12 and 16)	298, 582	89
Heavy Equipment Wash Basin (NBN) OU	502	53
K-Area Bingham Pump Outage Pit (643-1G) OU	83	20
K-Area Burning/Rubble Pit (131-K) and K-Area Rubble Pile (631-20G) OU	84, 88	40
K-Area Reactor Seepage Basin (904-65G) OU	87	55
L- and P-Area Bingham Pump Outage Pits (643-2G, -3G, & -4G) OU	91, 92, 107	26, 39
L-Area Oil and Chemical Basin (904-83G) OU	96	17
L-Area Reactor Seepage Basin (904-64G) OU	306	65
L-Area Southern Groundwater (NBN) OU	487	77
Lower Three Runs IOU Tail Portion (Middle and Lower Subunits)	505	35
M-Area OU [consisting of Potential release of Heavy Metals from 321-M Abandoned Sewer Line (NBN), Salvage Yard (741-A), Underground Sump 321-M #001, and Underground Sump 321-M #002]	585, 326, 340, 465, 466	92
M-Area Settling Basin Inactive Process Sewer Lines OU (081-M)	100, 234	19
Old F-Area Seepage Basin (904-49G) OU	105	16
P-Area Burning/Rubble Pit (131-P) OU	108	59
P-Area OU [consisting of Spill on 03/15/79 of 500 Gallons of Contaminated Water (NBN), P-Area Ash Basin (188-0P), Potential Release from P-Area Disassembly Basin (105-P), Potential Release from the P-Area Reactor Cooling Water System (186/190-P), P-Area Reactor Area Cask Car Railroad Tracks as Abandoned (NBN), P-Area Process Sewer Lines as Abandoned (NBN)]	126, 313, 314, 316, 477, 557, 587	94
P-Area Reactor Seepage Basins (904-61G, -62G, & -63G) OU	317, 318, 319	66
R-Area Bingham Pump Outage Pits (643-8G, -9G, & -10G) and R-Area Unknown Pits #1, #2, #3 (RUNK-1, -2, & -3) OU	113, 114, 115, 550, 551, 552	38
R-Area Burning/Rubble Pits (131-R & 131-1R) and R-Area Rubble Pile (631-25G) OU	117, 116, 118	43

Unit Name	SRS Index Number(s)	SEMS Number(s)
R-Area OU [consisting of Area on the North Side of Building 105-R, Laydown Area North of 105-R, and Release from the Decontamination of R-Area Reactor Disassembly Basin (NBN), Combined Spills North of Building 105-R (NBN), Cooling Water Effluent Sump (107-R), Potential Release from R-Area Disassembly Basin (NBN), Potential Release of NaOH/H ₂ SO ₄ from 183-2R (NBN), R-Area Ash Basin (188-0R), R-Area Groundwater, R-Area Process Sewer Lines as Abandoned (NBN), and R-Area Reactor Area Cask Car Railroad Tracks as Abandoned (NBN)]	231, 233, 271, 288, 324, 329, 330, 478, 513, 517, 556, 588	95
R-Area Reactor Seepage Basins (904-57G, -58G, -59G, -60G, -103G, & -104G) OU	119, 120, 121, 122, 123, 124	25
Silverton Road Waste Site (731-3A)	41	13
SRL Seepage Basins (904-53G1, -53G2, -54G, & -55G) OU	133, 134, 135, 136	47
T-Area OU [consisting of Neutralization Sump (678-T), TNX Outfall Delta, Lower Discharge Gully, and Swamp (NBN), TNX-Area Process Sewer Lines and Tile Fields as Abandoned (NBN), and X-001 Outfall Drainage Ditch (NBN) (See USDOE Letter SGP-05-128 for list of decommissioned facilities added to T-Area Completion)]	589, 310, 500, 559, 467	96
TNX OU [consisting of TNX Burying Ground (643-5G) (Including Spill on 01/12/53 of 1/2 Ton of Uranyl Nitrate), New TNX Seepage Basin (904-102G), Old TNX Seepage Basin (904-076G), and TNX Groundwater (082-G)]	139, 104, 106, 25, 127	21, 29

* N/A = Not Applicable

SEMS = Superfund Enterprise Management System

Notes:

1. The L-Area Hot Shop OU (717-G) was designated as a No Action OU in FY2014 and was removed from this LUC certification list.
2. The L-Area Rubble Pile (131-3L) OU was designated as a No Action OU in FY2018 and was removed from this LUC certification list.
3. The E-Area LLWF, FTF, and HTF OUs were added to the list to certify long-term protectiveness through compliance with the SRS facility security and administrative controls.

USDOE-SR Certification for Land Use Controls

I certify that the Savannah River Site has maintained compliance with all unit-specific Land Use Control Implementation Plans in accordance with the *Land Use Control Assurance Plan for the Savannah River Site*.

Signature: for 

Date: 11/14/18

Michael D. Budney
Savannah River Site Manager

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