



Federal Facility Agreement Annual Progress Report for Fiscal Year 2024 (U)

SRNS-RP-2024-01303

November 2024

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U.S. Department of Energy-Savannah River Operations Office
(USDOE-SROO)
and
Savannah River Nuclear Solutions, LLC
Aiken, South Carolina

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Environmental Compliance & Area Completion Projects

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TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
LIST OF TABLES	iii
LIST OF APPENDICES	iii
LIST OF ABBREVIATIONS AND ACRONYMS	v
1.0 INTRODUCTION	1
1.1 Overview of FY2024	1
1.2 Outcome of Extension Notifications and Requests	1
1.3 Status of Site Evaluation Areas (SEAs), Resource Conservation and Recovery Act (RCRA) / Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Units, and Integrator Operable Units (IOUs)	1
1.4 USDOE Contractors	2
2.0 OVERVIEW OF FY2024	2
2.1 Field Activities	2
2.2 RODs and/or Explanation of Significant Differences	3
2.3 Post-ROD Documents	3
2.4 Annual Update of FFA Appendices	3
2.4.1 <i>Appendices C, G, H, and K</i>	3
2.4.2 <i>Appendix D, Timetables and Deadlines</i>	4
2.4.3 <i>Appendix E, Long Term Projections</i>	4
2.5 Disputes	4
2.6 Site Evaluation Program	5
2.7 Administrative Record File/Information Repository File	5
3.0 OUTCOME OF EXTENSION NOTIFICATIONS AND REQUESTS	6
4.0 STATUS OF SEAS, RCRA/CERCLA UNITS AND IOUS	6

LIST OF TABLES

<u>Table</u>	<u>Page</u>
Table 1. USDOE Contractors	7
Table 2. Extension Notifications and Requests	9
Table 3. Status of Site Evaluation Areas, RCRA/CERCLA Units, and Integrator Operable Units	11

LIST OF APPENDICES

<u>Appendix</u>	<u>Page</u>
Appendix A. Land Use Control Units	A-1

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LIST OF ABBREVIATIONS AND ACRONYMS

ARF	Administrative Record File
BRA	Baseline Risk Assessment
CA	Corrective Action
CAGW	C-Area Groundwater
CAR	Corrective Action Report
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CMIP	Corrective Measures Implementation Plan
CMIR	Corrective Measures Implementation Report
CMP	Chemicals, Metals, and Pesticides
CMS	Corrective Measures Study
CSSLP	Central Shops Scrap Lumber Pile
DAOU	D-Area Operable Unit
EA	Early Action
EC&ACP	Environmental Compliance and Area Completion Projects
ECODS	Early Construction and Operational Disposal Site
EMR	Effectiveness Monitoring Report
ESD	Explanation of Significant Difference
FMB	Fourmile Branch
FFA	Federal Facility Agreement
FS	Feasibility Study
FTF	F-Area Tank Farm
FY	Fiscal Year
GMR	Groundwater Monitoring Report
GSA	General Separations Area
GSACU	General Separations Area Consolidation Unit
GWMZ	Groundwater Mixing Zone
HTF	H-Area Tank Farm
HWMF	Hazardous Waste Management Facility
IOU	Integrator Operable Unit
IRF	Information Repository File
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
N/A	not applicable
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
PDF	portable document format
PER	Performance Evaluation Report
POC	Point of Compliance
PP	Proposed Plan
PRB	Permeable Reactive Barrier
RACR	Remedial Action Completion Report
RAIP	Remedial Action Implementation Plan
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RI	Remedial Investigation
ROD	Record of Decision
SCDES ¹	South Carolina Department of Environmental Services
SE	Site Evaluation
SEA	Site Evaluation Area
SEMS	Superfund Enterprise Management System
SB/PP	Statement of Basis/Proposed Plan
SR	Savannah River
SRNS	Savannah River Nuclear Solutions, LLC
SRR	Savannah River Remediation, LLC
SRS	Savannah River Site
SVE	Soil Vapor Extraction
SWP	Southwest Plume
USDOE	United States Department of Energy
USDOE-SROO	United States Department of Energy-Savannah River Operations Office
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound
WADB	Wetland Area at Dunbarton Bay
WSTS	Western Sector Treatment System
ZVI	Zero-Valent Iron

¹ The South Carolina Department of Environmental Services (SCDES) was known as the South Carolina Department of Health and Environmental Control prior to July 1, 2024.

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 Environmental Services (SCDES), 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) 2024 (October 1, 2023 through September 30, 2024) and activities planned for FY2025 (October 1, 2024 through September 30, 2025) by USDOE, USEPA, and SCDES at those units and areas identified for remediation in the FFA.

This report is presented in the sections described below.

1.1 Overview of FY2024

This section contains a brief overview of the actions taken by USDOE, USEPA, and SCDES during FY2024 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 (SEAs), Resource Conservation and Recovery Act (RCRA) / Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Units, and Integrator Operable Units (IOUs)

This section presents the information below in tabular form:

- List of planned work for FY2024, including milestones, document submittals, risk assessments, site evaluations, remediation activities, and other field activities;
- List of work accomplished in FY2024, as documented in Appendix D of the FFA;
- List of work accomplished in FY2024, not documented in Appendix D of the FFA;
- List of activities extended by a Three-Party Agreement during FY2024; and
- List of work planned for FY2025, as documented in preliminary milestone agreements, including milestones, document submittals, risks assessments, site evaluations, remediation activities, and other field activities.

1.4 USDOE Contractors

Table 1 identifies the USDOE contractors and their responsibilities.

2.0 OVERVIEW OF FY2024

The following subsections contain a synopsis of activities and accomplishments achieved by USDOE, USEPA, and SCDES throughout FY2024.

2.1 Field Activities

The Environmental Compliance and Area Completion Projects (EC&ACP) organization currently has 515 units in the program. Included in the 515 units are RCRA/CERCLA Units, SEAs, and facilities covered under the SRS RCRA permit renewal. At the beginning of FY2024, 420 units were complete or in the remediation phase (412 complete and 8 in the remediation phase). At the end of FY2024, 423 units were complete or in the remediation phase (415 complete and 8 in the remediation phase).

A Field Start (characterization) was initiated at the Building 716-A, Automotive Repair Shop Operable Unit (OU).

A Remedial Action Start was initiated at the Early Construction and Operational Disposal Site (ECODS) N-1 ([no building number] NBN), Central Shops Scrap Lumber Pile (CSSLP) (631-2G), and Building 690-N, Process Heat Exchanger Repair Facility (aka Ford Building) OU.

An Interim Remedial Action Start was initiated and completed at the F-Area Diversion Boxes 5 and 6.

SRS was extensively impacted by Hurricane Helene and closed in response during the period of September 27, 2024, through October 6, 2024, with the exception of emergency and essential personnel. The site resumed normal operations on October 7, 2024. EC&ACP Operations and Monitoring personnel are evaluating the impacts of Hurricane Helene to the OUs, and post-hurricane damage assessments and cleanup activities are ongoing. Impacts from Hurricane Helene will be discussed in OU-specific reports and/or five-year remedy review reports, as applicable. No damages that would affect the protectiveness of the remedies have been identified at the OUs evaluated in this report.

In FY2024, soil samples were collected in the vadose zone at the 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 to evaluate the effectiveness of the soil vapor extraction (SVE) system at achieving remedial goals.

In FY2024, USDOE planned to install hog barrier fences at the A-Area Miscellaneous Rubble Pile (731-6A), D-Area Bubble Tower Cover, F-Area Retention Basin (281-3F), H-Area Retention Basin (281-3H), L-Area Bingham Pump Outage Pits (643-2G and -3G), and T-Area OU (unfenced

portion). However, these activities, with the exception of the D-Area Bubble Tower Cover and H-Area Retention Basin (281-3H), will now occur in FY2025.

2.2 RODs and/or Explanation of Significant Differences (ESD)

The following were issued to the public after USDOE, SCDES, and USEPA signed the documents:

- ROD for the ECODS N-1 (NBN), CSSLP (631-2G), and Building 690-N, Process Heat Exchanger Repair Facility (aka Ford Building) OU,
- ESD for Incorporating F-Area Diversion Boxes 5 and 6 into the Revision 1 Interim ROD for the F-Area Tank Farm,
- Waste Tanks 17 and 20, and Sixth Five-Year Remedy Review Report for SRS OUs with Operating Equipment.

The Seventh Five-Year Remedy Review Report for SRS OUs with Native Soil Covers and/or Land Use Controls (LUCs) was submitted by USDOE and approved by SCDES and USEPA.

2.3 Post-ROD Documents

Two post-ROD documents (i.e., LUCIP and Corrective Measures Implementation Plan/Remedial Action Implementation Plan [CMIP/RAIP]) for the ECODS N-1 (NBN), CSSLP (631-2G), and Building 690-N, Process Heat Exchanger Repair Facility (aka Ford Building) OU were submitted by USDOE in FY2023 and approved by SCDES and USEPA in FY2024.

The Post-Construction Report (PCR)/Corrective Measures Implementation Report (CMIR)/Remedial Action Completion Report (RACR) for the Wetland Area at Dunbarton Bay (WADB) in Support of Steel Creek IOU was submitted by USDOE and approved by SCDES and USEPA in FY2024.

The PCR for the Lower Three Runs IOU was submitted by USDOE in FY2024. SCDES and USEPA approval is expected in FY2025.

2.4 Annual Update of FFA Appendices

USDOE submits six (6) FFA appendices to USEPA and SCDES for their review, comment, and approval each FY 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 the following appendices on September 28, 2023:

- Appendix C, RCRA/CERCLA Units List;

- Appendix G, SEAs; and
- Appendix K, Deactivation and Decommissioning Facilities for FY2024.

SCDES and USEPA approved Revision 0 Appendices C, G, and K in their correspondence dated January 26, 2024.

In accordance with the terms of the FFA, USDOE submitted Revision 0 of Appendix H (Solid Waste Management Units for FY2024) on September 28, 2023. SCDES and USEPA approved the Revision 0 Appendix H in their correspondence dated January 26, 2024.

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

2.4.2 Appendix D, Timetables and Deadlines

Appendix D identifies current FY 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 FY2024 Budget Allotment notification and Revision 0 Appendix D for FY2024 on August 6, 2024. The SCDES and USEPA approved the Revision 0 of Appendix D in their correspondence dated August 9, 2024, and August 12, 2024, respectively.

The Revision 0 Appendix D for FY2024, Timetables and Deadlines, lists submittal dates for the milestones. These include primary documents, annual updates to the FFA Appendices, Site Evaluation (SE) Reports, supporting documents, the initiation of RCRA Facility Investigation/Remedial 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 FY2024) 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 FY2024, on November 15, 2023. SCDES and USEPA approved the Revision 0 Appendix E, Long-Term Projections for FY2024 in their letters dated December 5, 2023, and December 12, 2023, respectively. Appendix E was updated throughout FY2024 based on regulatory approved changes to the milestones.

Appendix E is due by November 15 of each year.

2.5 Disputes

There were no disputes in FY2024.

2.6 Site Evaluation Program

Section X of the FFA requires USDOE to submit to SCDES and USEPA Removal SE Reports for those areas with potential or known releases of hazardous substances not identified before the effective date of the agreement. USDOE did not submit any Removal SE Report/Engineering Evaluation/Cost Analysis during FY2024.

Section X of the FFA also requires USDOE to submit Remedial SE Reports to the SCDES and USEPA for those areas listed in Appendix G.1 of the Agreement. USDOE did not submit any Remedial SE Reports during FY2024.

2.7 Administrative Record File/Information Repository File

CERCLA, 42 United States Code §9613(k), Administrative Record and Participation Procedures, and National Oil and Hazardous Substances Pollution Contingency Plan, Subpart I – Administrative Record for Selection of Response Action, require the establishment of an administrative record that documents the investigation and selection of remedial alternatives/response actions. In addition, the Administrative Record File (ARF) is concerned with the presentation of evidence in the event of litigation. The ARF must be established at or near the facility at issue.

An Information Repository File (IRF) contains information and documents that do not meet the definition of ARFs, but contain Site and unit information, documents on Site and unit activities, and general information.

In accordance with the terms of Section XXXIV, Administrative Record, Subsection E, of the FFA, the USDOE provides an annual report of the ARF/IRF Indices to SCDES and USEPA for the prior FY by December 1 of the current FY. For years, USDOE provided this report along with compact disks that contained portable document formats (PDFs) of ARF records. USDOE submitted the ARF/IRF Annual Indices Update (SRNS-RP-2021-05286, November 2021) to SCDES and USEPA on November 18, 2021. Based on discussions and agreements among USDOE, SCDES, and USEPA, this annual report and compact disks are no longer submitted. The information is publicly available on the SRS external web page. The FFA will be updated to reflect this decision through a minor modification.

In 2020, SRS began posting PDFs of the ARF/IRF records on the SRS external web page, specifically the Area Completion Projects ARF/IRF web page (see <http://www.srs.gov/general/programs/soil/arf/arfirf.html>). In addition, this external web page contains an Index of Documents. This index is currently dated 11/12/2024 and lists entries numbered from 000001 to 024766. The PDFs that are currently posted on the SRS external web page are dated from 10/1/2017 to 11/11/2024. The Index of Documents and PDFs will be updated quarterly. Historical PDFs will be added at a later date.

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. SCDES or USEPA 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 extension notifications 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. Extension requests are covered under the terms of Section XXXI, Extensions.

During FY2024, SRS submitted five Extension Requests and one Extension Notification. Table 2 documents the outcome of Extension Notifications and Requests for FY2024. The table describes the main milestones affected.

4.0 STATUS OF SEAS, RCRA/CERCLA UNITS AND IOUS

Table 3 documents work planned and accomplished in FY2024 and work planned for FY2025. 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 "FY2024 Work Accomplished (Other)".

Table 1. USDOE Contractors

Contractor Name	Responsibility
Savannah River Nuclear Solutions, LLC	Management & Operating Contract
Battelle Savannah River Alliance, LLC	Management & Operating Contract for Savannah River National Laboratory (effective June 21, 2021)
Savannah River Mission Completion, LLC (assumed Liquid Waste operations from Savannah River Remediation, LLC [SRR] in February 2022; assumed Solid Waste Processing Facility operations from SRR in March 2022)	Liquid Waste Contract (awarded October 2021), including Salt Waste Processing Facility
Savannah River Ecology Laboratory	Ecological Research
Savannah River Archaeological Research Program	Cultural Resource Management
Centerra – SRS	Security Services
United States Department of Agriculture Forest Service – SR	Natural Resource Management
Ameresco Federal Solutions, Inc.	Supply steam and electricity

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Table 2. Extension Notifications and Requests

USDOE Letter Number	Letter Date	Unit Affected	Main Milestone Affected	Request or Notification	Extension (From/To)	Outcome
RDDD-24-125	2/29/2024	ECODS L-3, L-Area Rubble Pit (131-1L), and L-Area Rubble Pit (131-4L) OU	USDOE Extension Request for the Submittal of the RFI/RI Report with BRA and CMS/FS for the ECODS L-3 (East of L Area) (NBN), L-Area Rubble Pit (131-1L), and L-Area Rubble Pit (131-4L) OU (U) (SRNS-RP-2023-01365, Revision 0) and Subsequent Milestones	Request	RFI/RI/BRA/CMS/FS: 3/22/2024 to 7/31/2024 SB/PP: 1/30/2025 to 6/5/2025 ROD: 9/11/2025 to 1/5/2026 Issue ROD: 5/24/2026 to 9/24/2026 CMIP/RAIP: 4/6/2026 to 7/22/2026 LUCIP: 14/6/2026 to 7/22/2026 Remedial Action Start: 8/27/2027 to 12/28/2027	Approved
RDDD-24-124	3/4/2024	D-Area Groundwater OU	USDOE Extension Request for the Submittal of the Revision 0 RFI/RI Report with BRA for the D-Area Groundwater OU (D-Area Upgradient Sources) and Subsequent Milestones	Request	RFI/RI/BRA: 12/10/2024 to 12/10/2026 CMS/FS: 3/10/2026 to 3/9/2028 SB/PP: 11/9/2026 to 11/9/2028 ROD: 7/15/2027 to 7/17/2029 Issue ROD: 3/28/2028 to 3/29/2030 Remedial Action Start: 6/21/2029 to 6/22/2031	Approved
RDDD-24-128	4/1/2024	R-Area Groundwater OU	USDOE Submittal of the Thirty (30)-Day Extension Notification for Savannah River Site's Responses to the Regulatory Comments on the R-Area Groundwater (NBN) Biennial Effectiveness Monitoring Report in Support of R-Area OU (U) January 2021 through December 2022 (SRNS-RP-2023-00758, Revision 0, August 2023)	Notification	4/1/2024 to 5/1/2024	N/A

FFA Annual Progress Report for FY2024
Savannah River Site
November 2024

SRNS-RP-2024-01303

Page 10 of 20

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
RDDD-24-131	4/18/2024	R-Area Groundwater OU	USDOE Submittal of the Extension Request for the R-Area Groundwater (NBN) Biennial Effectiveness Monitoring Report in Support of R-Area OU (U) January 2021 through December 2022 (SRNS-RP-2023-00758, Revision 0) and Savannah River Site's Responses on the Revision 0 Document	Request	5/1/2024 to 6/30/2024	Approved
RDDD-24-132	4/18/2024	D-Area Groundwater OU	USDOE Submittal of the Extension Request for the Submittal of the Treatability Study Data Report for Groundwater Injection and Discharge Canal Neutralization at the D-Area Groundwater Operable Unit (OU) (U) – 2023 Data and Information (SRNS-TR-2024-00261, Revision 0)	Request	4/30/2024 to 6/14/2024	Approved
RDDD-24-133	5/8/2024	CMP Pits OU	USDOE Submittal of the Extension Request for the Submittal of the Effectiveness Monitoring Report for the Monitored Natural Attenuation (MNA) at the Chemicals, Metals, and Pesticides (CMP) Pits OU (U) – April 2023 through May 2024 (SRNS-RP-2024-00606, Revision 0)	Request	6/17/2024 to 7/17/2024	Approved

BRA – Baseline Risk Assessment
 CMIP – Corrective Measures Implementation Plan
 CMS – Corrective Measures Study
 FS – Feasibility Study
 LUCIP – Land Use Control Implementation Plan
 N/A – Not Applicable

RAIP – Remedial Action Implementation Plan
 RFI – Resource Conservation and Recovery Act Facility Investigation
 RI – Remedial Investigation
 ROD – Record of Decision
 SB/PP – Statement of Basis/Proposed Plan

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

RCRA/CERCLA Units or SEAs	FY2024 Work Planned	FY2024 Work Accomplished (Appendix D Milestones)	FY2024 Work Accomplished (Other)	FY2025 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 Evaluate the effectiveness of the SVE system 	<ul style="list-style-type: none"> Submitted Annual PER 	<ul style="list-style-type: none"> Conducted post-closure activities Evaluated the effectiveness of the SVE system 	<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"> Conduct post-closure activities 		<ul style="list-style-type: none"> Conducted post-closure activities 	<ul style="list-style-type: none"> Conduct post-closure activities
A-Area Ash Pile (788-0A) and A-Area Coal Pile Runoff Basin (788-3A) 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
A-Area Building 716-A Auto Repair Facility	<ul style="list-style-type: none"> Submit RI Work Plan (Revision 0) Initiate Field Start (characterization) 	<ul style="list-style-type: none"> Submitted RI Work Plan (Revision 0) Initiated Field Start (characterization) 	<ul style="list-style-type: none"> Submitted RI Work Plan (Revision 1) 	<ul style="list-style-type: none"> Submit RI/BRA (Revision 0 and Revision 1)
B-Area OU 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
Beneficial Reuse of Select Coal Ash and Coal Fines OU ¹				<ul style="list-style-type: none"> Submit Focused Early Action (EA) CMS/FS (Revision 0 and Revision 1)
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"> Conducted post-closure activities 	<ul style="list-style-type: none"> Conduct post-closure activities Submit Biennial Effectiveness Monitoring Report (EMR)

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

RCRA/CERCLA Units or SEAs	FY2024 Work Planned	FY2024 Work Accomplished (Appendix D Milestones)	FY2024 Work Accomplished (Other)	FY2025 Work Planned
C-Area Groundwater OU	<ul style="list-style-type: none"> Submit EMR for Removal Action Perform removal action monitoring activities 		<ul style="list-style-type: none"> Submitted EMR for Removal Action Performed removal action monitoring activities 	<ul style="list-style-type: none"> Submit EMR for Removal Action Perform removal action monitoring activities
C-Area OU ²	<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
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 Ash Basin Wetlands OU				<ul style="list-style-type: none"> Submit Focused CMS/FS (Revisions 0 and 1)
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 D-Area Groundwater OU Treatability Study Data Report Submit 488-4D Ash Landfill Groundwater Monitoring Report (GMR) Conduct post-closure activities 	<ul style="list-style-type: none"> Submitted D-Area Groundwater OU Treatability Study Data Report Submitted 488-4D Ash Landfill GMR 	<ul style="list-style-type: none"> Conducted post-closure activities 	<ul style="list-style-type: none"> Submit D-Area Groundwater OU Treatability Study Data Report Submit 488-4D Ash Landfill GMR Conduct post-closure activities
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 (Continued)

RCRA/CERCLA Units or SEAs	FY2024 Work Planned	FY2024 Work Accomplished (Appendix D Milestones)	FY2024 Work Accomplished (Other)	FY2025 Work Planned
D-Area OU ²	<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
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
ECODS L-1, N-2, P-2, R-1A, R-1B, and 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
ECODS L-3, L-Area Rubble Pit (131-1L) and L-Area Rubble Pit (131-4L) OU	<ul style="list-style-type: none"> Submit RFI/RI Report with BRA and CMS/FS (Revision 0) 	<ul style="list-style-type: none"> Submitted RFI/RI Report with BRA and CMS/FS (Revision 0) 		<ul style="list-style-type: none"> Submit RFI/RI Report with BRA and CMS/FS (Revision 1) Submit SB/PP (Revision 0)
ECODS N-1, Central Shops Scrap Lumber Pile, and Building 690-N OU	<ul style="list-style-type: none"> Issue ROD 	<ul style="list-style-type: none"> Issued ROD 	<ul style="list-style-type: none"> Submitted CMIP/RAIP (Revision 1) Submitted LUCIP (Revision 1) 	<ul style="list-style-type: none"> Initiate Remedial Action³
F- and H-Area Hazardous Waste Management Facilities (HWMFs) Groundwater	<ul style="list-style-type: none"> Collect quarterly samples from Fourmile Branch (FMB) and seepline Collect monthly flow measurements and tritium samples from FMB Continue base injection system operations 		<ul style="list-style-type: none"> Collected quarterly samples from FMB and seepline Collected monthly flow measurements and tritium samples from FMB Continued base injection system operations 	<ul style="list-style-type: none"> Collect quarterly samples from FMB and seepline Collect monthly flow measurements and tritium samples from FMB Continue base injection system operations

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

RCRA/CERCLA Units or SEAs	FY2024 Work Planned	FY2024 Work Accomplished (Appendix D Milestones)	FY2024 Work Accomplished (Other)	FY2025 Work Planned
F- and H-Area Hazardous Waste Management Facilities (HWMFs) Groundwater (<i>continued/end</i>)	<ul style="list-style-type: none"> Submit Annual Corrective Action Report (CAR) Submit proposed Point of Compliance (POC) wells for Appendix IX sampling 		<ul style="list-style-type: none"> Submitted Annual CAR Submitted proposed POC wells for Appendix IX sampling 	<ul style="list-style-type: none"> Submit Annual CAR Submit proposed POC wells for Appendix IX sampling
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
General Separations Area Consolidation Unit (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 (Continued)

RCRA/CERCLA Units or SEAs	FY2024 Work Planned	FY2024 Work Accomplished (Appendix D Milestones)	FY2024 Work Accomplished (Other)	FY2025 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 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 Conduct groundwater monitoring 	<ul style="list-style-type: none"> Submitted EMR 	<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 (685-G), Pre-Cooler Ponds and Canals, and Old R-Area Discharge Canal]	<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 Submit PCR (Revisions 0 and 1)⁴
M-Area OU ²	<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 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 Submit Annual CA and GMR 		<ul style="list-style-type: none"> Continued operation of MASB WSTS and other vadose zone CA systems Submitted annual WSTS PCB progress report Submitted Annual CA and GMR 	<ul style="list-style-type: none"> Continue operation of MASB WSTS and other vadose zone CA systems Submit annual WSTS PCB progress report Submit Annual CA and GMR Submit 2013 RCRA Permit Renewal Application (Revision 5)

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

RCRA/CERCLA Units or SEAs	FY2024 Work Planned	FY2024 Work Accomplished (Appendix D Milestones)	FY2024 Work Accomplished (Other)	FY2025 Work Planned
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 		<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 	<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 Submit Northern Sector Crouch Branch and McQueen Branch Characterization Plan, Part 2 (Revision 0)
MASB Inactive Process Sewers to Manhole 1 (081-M) 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 Submit CMIR/RACR (Revision 0)
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

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

RCRA/CERCLA Units or SEAs	FY2024 Work Planned	FY2024 Work Accomplished (Appendix D Milestones)	FY2024 Work Accomplished (Other)	FY2025 Work Planned
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 BaroBall™ wells • Conduct post-closure activities 		<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 BaroBall™ wells • Conducted post-closure activities 	<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 BaroBall™ wells • Conduct post-closure activities
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 • Submit 2023 RCRA Permit Renewal Application (Volume VII, Revision 1) 		<ul style="list-style-type: none"> • Conducted operations and effectiveness monitoring of the tritium phytoremediation system at the SWP • Maintained compliance with groundwater monitoring • Submitted the proposed POC wells for Appendix IX sampling • Submitted Annual CAR • Submitted 2023 RCRA Permit Renewal Application (Volume VII, Revision 1) 	<ul style="list-style-type: none"> • Conduct operations 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

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

RCRA/CERCLA Units or SEAs	FY2024 Work Planned	FY2024 Work Accomplished (Appendix D Milestones)	FY2024 Work Accomplished (Other)	FY2025 Work Planned
P-Area OU ²	<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 P-Area Groundwater OU Data Summary Tables Conduct Zero-Valent Iron Permeable Reactive Barrier (ZVI-PRB) removal action monitoring Submit P-Area Groundwater OU ZVI-PRB Removal Action EMR 		<ul style="list-style-type: none"> Submitted P-Area Groundwater OU Data Summary Table Conducted ZVI-PRB removal action monitoring Submitted P-Area Groundwater OU ZVI-PRB Removal Action EMR 	<ul style="list-style-type: none"> Submit P-Area Groundwater OU Groundwater Report Conduct PRB removal action monitoring Submit P-Area Groundwater OU ZVI-PRB Removal Action EMR
R-Area OU ²	<ul style="list-style-type: none"> Conduct post-closure activities 		<ul style="list-style-type: none"> Conducted post-closure activities Submitted Biennial Groundwater EMR (Revision 1) 	<ul style="list-style-type: none"> Submit Biennial Groundwater EMR Conduct post-closure activities
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"> Conduct post-closure activities Submit Biennial GWMZ Sampling Summary 	<ul style="list-style-type: none"> Submitted Biennial GWMZ Sampling Summary 	<ul style="list-style-type: none"> Conducted post-closure activities 	<ul style="list-style-type: none"> Conduct post-closure activities
Spill on 02/01/57 of Unknown of Seepage Basin Pipe Leak from 904-44G (NBN) OU	<ul style="list-style-type: none"> Complete soil excavation per operations and maintenance plan at Spill on 02/01/57 of Unknown of Seepage Basin Pipe Leak from 904-44G OU 		<ul style="list-style-type: none"> Completed soil excavation per operations and maintenance plan at Spill on 02/01/57 of Unknown of Seepage Basin Pipe Leak from 904-44G OU 	<ul style="list-style-type: none"> Submit SE Report Addendum

FFA Annual Progress Report for FY2024
Savannah River Site
November 2024

SRNS-RP-2024-01303

Page 19 of 20

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

RCRA/CERCLA Units or SEAs	FY2024 Work Planned	FY2024 Work Accomplished (Appendix D Milestones)	FY2024 Work Accomplished (Other)	FY2025 Work Planned
Sanitary Landfill (740-G) Groundwater	<ul style="list-style-type: none"> • Submit Annual CA and GMR • Conduct groundwater monitoring • Submit 2023 RCRA Permit Renewal Application (Volume XXIII, Revision 1) 		<ul style="list-style-type: none"> • Submitted Annual CA and GMR • Conducted groundwater monitoring • Submitted 2023 RCRA Permit Renewal Application (Volume XXIII, Revision 1) 	<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 • Submitted 2023 RCRA Permit Renewal Application (Volume XXIII, Revision 1) 		<ul style="list-style-type: none"> • Conducted post-closure activities • Submitted 2023 RCRA Permit Renewal Application (Volume XXIII, Revision 1) 	<ul style="list-style-type: none"> • Conduct post-closure activities
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 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"> • Conduct WADB post-closure activities • Submit WADB PCR/CMIR/RACR (Revisions 0 and 1) 	<ul style="list-style-type: none"> • Submitted WADB PCR/CMIR/RACR (Revision 0) 	<ul style="list-style-type: none"> • Conducted WADB post-closure activities • Submit WADB PCR/CMIR/RACR (Revision 1) 	<ul style="list-style-type: none"> • Conduct WADB post-closure activities
T-Area OU ²	<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 (Continued/End)

RCRA/CERCLA Units or SEAs	FY2024 Work Planned	FY2024 Work Accomplished (Appendix D Milestones)	FY2024 Work Accomplished (Other)	FY2025 Work Planned
TNX OU	<ul style="list-style-type: none"> • Submit Comprehensive Annual Groundwater and Remedial Action Effectiveness Interim Report • Conduct post-closure activities • Evaluate SVE system 	<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 • Evaluated SVE system 	<ul style="list-style-type: none"> • Submit Comprehensive Annual Groundwater and Remedial Action Effectiveness Interim Report • Conduct post-closure activities • Install one additional groundwater monitoring well

¹Beneficial Reuse of Select Coal Ash and Coal Fines OUs consist of A-Area Ash Pile (788-A), A-Area Coal Pile Runoff Basin (788-3A), F-Area Ash Landfill (288-F), H-Area Ash Basin (288-H), K-Area Ash Basin (188-K) and L-Area Ash Basin (188-L) OUs.

²FFA Appendix C.5 lists the Units and Facilities (or Remnants) assigned to each Area OU.

³ECODS N-1, Central Shops Scrap Lumber Pile, and Building 690-N OU Remedial Action was initiated ahead of schedule in FY2024.

⁴Lower Three Runs IOU PCR (Revision 0) was submitted ahead of schedule in FY2024.

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 Units at the SRS in which the selected alternative is or includes LUCs. To assure United States Environmental Protection Agency (USEPA), South Carolina Department of Environmental Services (SCDES)², 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, 6, and 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 providing long-term protection 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 were added to the list below to certify long-term protectiveness through compliance with the SRS facility security and administrative controls. A remedy evaluation for the HTF OU (Waste Tanks 12 and 16) was discussed for the first time in the *Sixth Five-Year Remedy Review Report for Savannah River Site Operable Units with Geosynthetic or Stabilization/Solidification Cover Systems*

² South Carolina Department of Environmental Services (SCDES) was known as the South Carolina Department of Health and Environmental Control prior to July 1, 2024.

(SRNS-RP-2021-04229, Revision 1, July 2022). Additional slit trench disposal units and waste tanks will be added as interim remedies are implemented.

Unit-specific LUCs were not part of the interim remedy at the C-Area Groundwater (CAGW) OU. The electrical resistance heating with soil vapor extraction interim remedy was determined to be protective of human health and the environment. However, additional remedial actions, including LUCs (if needed), will need to be implemented at CAGW OU. SRS facility security and administrative controls that restrict unauthorized access to this OU were not previously recognized as part of the interim remedy. In the *Sixth Five-Year Remedy Review Report for Savannah River Site Operable Units with Groundwater Remedies* (SRNS-RP-2019-00511, Revision 1, July 2020), USDOE recommended revising the FFA Annual Progress Report list of LUC Units to include this OU to recognize SRS facility security and administrative controls that restrict unauthorized access as providing long-term protection of human health and the environment. Therefore, the CAGW OU was added to the list below.

FFA Annual Progress Report for FY2024
Savannah River Site
November 2024

SRNS-RP-2024-01303

Appendix A, Page A-3 of A-6

The FY2024 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 and -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 [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 Groundwater OU (NBN)	146	82
C-Area Reactor Seepage Basins (904-66G, -67G, and -68G) OU	53, 54, 55	60
Central Shops Burning/Rubble Pits (631-1G and -3G) OU	58, 59	50
Chemicals, Metals, and Pesticides Pits (080-170G, -171G, -180G, -182G, -183G, and -190G) OU	61, 62, 63, 64, 65, 66, 67	24
D-Area Burning/Rubble Pits (431-D and -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 Operable Unit (DAOU) Early Action (consisting of D-Area Asbestos Pit [080-20G] and D-Area Coal Pile Runoff Basin [489-D] [Northern 25%])	69, 211	63
DAOU Second Early Action (consisting of D-Area Ash Basins [488-1D {including Inlet Basins} and 488-2D], D-Area Ash Landfill [488-4D], and D-Area Coal Pile Runoff Basin [489-D] [Southern 75%])	238, 272, 548, 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, and R-1A, -1B, -1C OU	535, 539, 545, 540	22
ECODS N-1 and Building 690-N, Process Heat Exchanger Repair Facility (aka Ford Building)	525, 1828	93
F-Area Burning/Rubble Pits (231-F, -1F, and -2F) OU	34, 35, 36	14
F-Area Industrial Solid Waste Landfill (F-Area Railroad Crosstie Pile) (NBN)	279	N/A*
F-Area Retention Basin (281-3F) OU	73	23

FFA Annual Progress Report for FY2024
Savannah River Site
November 2024

SRNS-RP-2024-01303

Appendix A, Page A-4 of A-6

Unit Name	SRS Index Number(s)	SEMS Number(s)
F-Area Tank Farm OU (Waste Tanks 5 to 6, 17 to 20, F-Area Diversion Boxes 5 and 6)	283, 580	23
Ford Building Seepage Basin (904-91G) OU	75	58
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, and -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 Integrator Operable Unit (IOU) Tail Portion (Middle and Lower Subunits)	505	35
Lower Three Runs IOU (Upper Subunit)	110, 312, 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, and -63G) OU	317, 318, 319	66
R-Area Bingham Pump Outage Pits (643-8G, -9G, and -10G) and R-Area Unknown Pits #1, #2, #3 (RUNK-1, -2, and -3) OU	113, 114, 115, 550, 551, 552	38

FFA Annual Progress Report for FY2024
Savannah River Site
November 2024

SRNS-RP-2024-01303

Appendix A, Page A-5 of A-6

Unit Name	SRS Index Number(s)	SEMS Number(s)
R-Area Burning/Rubble Pits (131-R and 131-1R) and R-Area Rubble Pile (631-25G) OU	117, 116, 118	43
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, and -104G) OU	119, 120, 121, 122, 123, 124	25
Silverton Road Waste Site (731-3A)	41	13
Savannah River Laboratory Seepage Basins (904-53G1, -53G2, -54G, and -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
Wetland Area at Dunbarton Bay in Support of Steel Creek IOU	509	71

* N/A = Not Applicable

SEMS = Superfund Enterprise Management System

Notes:

- 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.
- 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.
- The E-Area LLWF, FTF, HTF, and CAGW OUs were added to the list to certify long-term protectiveness through compliance with the SRS facility security and administrative controls.
- The LUCIP for the Lower Three Runs Integrator Operable Unit (Upper Subunit) (SRNS-RP-2022-00017, Revision 1, August 2022) was approved by SCDES and USEPA on September 22, 2022 and October 4, 2022, respectively. The installation of the 55 signs was completed on July 17, 2023. The initial inspection is expected to be conducted in Spring of 2028. Field inspections will be completed every five years. Additional inspections may be necessary in the event of unusual weather or other condition warranting inspection.
- The LUCIP for the Wetland Area at Dunbarton Bay in Support of Steel Creek IOU (SRNS-RP-2018-00479, Revision 1, November 2018) was approved by EPA and SCDES on November 14, 2018 and November 28, 2018, respectively. The signs were installed on January 8, 2020. Per the regulatory approved LUCIP, the field inspections will be performed every five years. The initial inspection was completed on November 15, 2022. The Addendum to the Revision 1 LUCIP for the Wetland Area at Dunbarton Bay in Support of Steel Creek IOU (SRNS-RP-2023-00335, Revision 0, June 2023) was approved by EPA and SCDES on July 31, 2023. The signs discussed in the LUCIP Addendum were installed on October 17, 2023. Per the LUCIP Addendum, there is no change to the field inspection and maintenance activities because of the Addendum. The next inspection will be completed in January 2028. Additional inspections may be necessary in the event of unusual weather or any other condition warranting inspection.
- The LUCIP for the ECODS N-1 (NBN), Central Shops Scrap Lumber Pile (CSSLP) (631-2G), and Building 690-N, Process Heat Exchanger Repair Facility (aka Ford Building) OU (SRNS-RP-2023-00536, Revision 1, January 2024) was approved by EPA and SCDES on January 16, 2024, and February 7, 2024, respectively. The selected remedial action at the CSSLP is removal and disposal of arsenic-contaminated surface soil and sediment are expected to meet the cleanup levels for unrestricted land use. Therefore, no LUCs are expected following remedy implementation at CSSLP. The selected remedial action at ECODS N-1 and Building 690-N is LUCs. The installation of the signs at ECODS N-1 and Building 690-N was completed on June 19, 2024. The annual inspections at ECODS N-1 and Building 690-N are expected to start in FY2026, when the post-remedial action document is approved.

USDOE-SROO 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*.

MICHAEL BUDNEY

Digitally signed by MICHAEL
BUDNEY

Date: 2024.11.13 12:14:25 -05'00'

Signature: _____

Michael D. Budney
Manager
Savannah River Operations Office

Date: 11/13/2024