



Federal Facility Agreement Annual Progress Report for Fiscal Year 2020

SRNS-RP-2020-00712

November 2020

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and
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LIST OF ABBREVIATIONS AND ACRONYMS

CA	Corrective Action
CAGW	C-Area Groundwater
CAR	Corrective Action Report
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CMIR	Corrective Measures Implementation Report
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
DAGW	D-Area Groundwater
DAOU	D-Area Operable Unit
EA	Early Action
ECODS	Early Construction and Operational Disposal Site
EMR	Effectiveness Monitoring Report
FMB	Fourmile Branch
FFA	Federal Facility Agreement
FTF	F-Area Tank Farm
FY	Fiscal Year
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
ISCO	In-Situ Chemical Oxidation
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
N/A	not applicable
NBN	No Building Number
ORWBG	Old Radioactive Waste Burial Ground
OU	Operable Unit

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

PCB	polychlorinated biphenyl
PCR	Post Construction Report
PER	Performance Evaluation Report
POC	Point of Compliance
PP	Proposed Plan
RA	remedial action
RACR	Remedial Action Completion Report
RAIP	Remedial Action Implementation Plan
RAR	Removal Action Report
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RI	Remedial Investigation
ROD	Record of Decision
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
SR	Savannah River
SRL	Savannah River Laboratory (now SRNL)
SRNL	Savannah River National Laboratory
SRNS	Savannah River Nuclear Solutions, LLC
SRS	Savannah River Site
SWP	Southwest Plume
TA	temporary authorization
UIC	underground injection control
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) 2020 (October 1, 2019 through September 30, 2020) and activities planned for FY2021 (October 1, 2020 through September 30, 2021) 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 FY2020

This section contains a brief overview of the actions taken by USDOE, USEPA, and SCDHEC during FY2020 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 FY2020, including milestones, document submittals, risk assessments, site evaluations, remediation activities, and other field activities;
- List of work accomplished in FY2020, as documented in Appendix D of the FFA;
- List of work accomplished in FY2020, not documented in Appendix D of the FFA;
- List of activities extended by a Three-Party Agreement during FY2020; and a
- List of work planned for FY2021, 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 Contractors

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

2.0 OVERVIEW OF FY2020

The following subsections contain a synopsis of activities and accomplishments achieved by USDOE, USEPA, and SCDHEC throughout FY2020.

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 of FY2020, 418 units were complete or in the remediation phase (410 complete and 8 in the remediation phase). At the end of FY2020, 419 units were complete or in the remediation phase (411 complete and 8 in the remediation phase).

Treatability Study Field Start for groundwater injection and discharge canal treatment was initiated at the D-Area Groundwater (DAGW) Operable Unit (OU).

RCRA Facility Investigation/Remedial Investigation (RFI/RI) Field Starts were initiated at the DAGW OU (D-Area Upgradient Sources) and the Early Construction and Operational Disposal Site (ECODS) N-1 (No Building Number [NBN]), Central Shops Scrap Lumber Pile (631-2G), and Building 690-N, Process Heat Exchanger Repair Facility (aka Ford Building) OU.

A Remedial Action (RA) Start was initiated and completed at the G-Area Oil Seepage Basin (GOSB) (761-13G) OU.

A Removal Action Start was initiated at the D-Area Coal Storage Area (484-17D).

During FY2020, 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 installations were completed as a cost-saving maintenance activity to protect soil covers/engineered caps at the D-Area Asbestos Pit (080-20G), D-Area Burning/Rubble Pits (431-D and 431-1D), K-Area Reactor Seepage Basin (904-65G), K-Area Burning/Rubble Pit (131-K) and K-Area Rubble Pile (631-20G), and P-Area Reactor Seepage Basins (904-61G, 904-62G, and 904-63G). The existing fences at the M-Area Settling Basin (904-51G) and L-Area Reactor Seepage Basin (904-64G) were replaced with hog barrier fencing as a cost-saving maintenance activity; in addition, some posts were replaced at these OUs.

2.2 RODs and/or Explanation of Significant Differences

The Second Early Action ROD for the D-Area Operable Unit (DAOU) was submitted, approved and issued.

The Sixth Five-Year Remedy Review Report for SRS OUs with Native Soil Covers and/or Land Use Controls (LUCs) was issued.

The Sixth Five-Year Remedy Review Report for SRS OUs with Groundwater Remedies was submitted and approved.

2.3 Post-ROD Documents

The Post-Construction Report (PCR) for the Wetland Area at Dunbarton Bay (WADB) in Support of Steel Creek Integrator Operable Unit (IOU) was submitted.

The PCR/Corrective Measures Implementation Report/Remedial Action Completion Report (CMIR/RACR) for the GOSB (761-13G) OU was submitted and approved.

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 FY2020, on September 30, 2019. The SCDHEC and USEPA approved the Revision 0 of Appendices C and G in their letters dated January 23, 2020, and January 31, 2020, respectively. The USEPA approved the Revision 0 Appendix K in their letter dated January 31, 2020. The SCDHEC provided comments on the Revision 0 Appendix K in their letters dated January 23, 2020, and February 3, 2020. USDOE submitted the Revision 1 Appendix K and responses to SCDHEC's comments on March 26, 2020. SCDHEC approved the Revision 1 Appendix K in their letter dated March 27, 2020. USEPA's approval of the Revision 0 Appendix K remained effective since they did not have any comments.

In accordance with the terms of the FFA, USDOE submitted Revision 0 of Appendix H, Solid Waste Management Units for FY2020, on September 30, 2019. The SCDHEC and USEPA approved the Revision 0 of Appendix H in their letters dated January 23, 2020, and January 31, 2020, 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 FY2020 Budget Allotment notification and Revision 0 Appendix D for FY2020 on April 28, 2020. The SCDHEC and USEPA approved Revision 0 of Appendix D in their letters dated May 4, 2020, and May 20, 2020, respectively.

The Revision 0 Appendix D for FY2020, *Timetables and Deadlines*, lists numerous milestone dates. These include primary documents, annual updates to the FFA Appendices, Site Evaluation (SE) Reports, supporting documents, the initiation of RFI/RI Field Starts and RA Starts, and the issuance of RODs. All milestones listed in Appendix D (i.e., all enforceable milestones for FY2020) 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 FY2020, on November 15, 2019. USEPA approved the Revision 0 Appendix E in their letter dated December 31, 2019. SCDHEC provided comments on the Revision 0 Appendix E in their letter dated December 19, 2019. SCDHEC's comments resulted in an editorial change to Appendix E.3 only. USDOE submitted an updated Appendix E.3 and responses to SCDHEC's comments on January 15, 2020. SCDHEC approved the updated appendix in their letter dated January 27, 2020. Appendix E was updated throughout FY2020 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 FY2020.

2.6 Site Evaluation Program

Section X of the FFA requires USDOE to submit to USEPA and SCDHEC 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 Reports during FY2020.

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 FY2020.

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. Extension requests are covered under the terms of Section XXXI. Extensions.

During FY2020, SRS submitted five (5) Extension Requests and one (1) Extension Notification. Table 2 documents the outcome of extension notifications and requests for FY2020. 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 FY2020 and work planned for FY2021. 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 "FY2020 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
United States Department of Agriculture Forest Service – SR	Natural Resource Management
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-20-104	10/21/2019	DAOU	USDOE Thirty-Day Notification for the Early Action (EA) Statement of Basis/Proposed Plan (SB/PP) for the DAOU (SRNS-RP-2017-00723, Revision 1), Revised EA SB/PP Fact Sheet (ERD-EN-2018-0001), Revised Public Notice Information, and SRS' Responses to the Regulatory Comments on the Revision 0 Document	Notification	10/25/2019 to 11/25/2019	N/A
IACD-20-105	10/21/2019	Lower Three Runs IOU	USDOE Fourth Extension Request for the Submittal of the Proposed Plan (PP) (SRNS-RP-2019-00058, Revision 0) and Subsequent Milestones for the Lower Three Runs IOU	Request	PP: 10/27/2019 to 2/24/2020 ROD: 6/15/2020 to 10/13/2020 Issue ROD: 2/22/2021 to 6/22/2021 Remedial Action Implementation Plan (RAIP): 5/4/2021 to 9/1/2021 LUCIP: 5/4/2021 to 9/1/2021 RA Start: 5/22/2022 to 9/19/2022 PCR/RACR: 2/22/2024 to 6/21/2024	Approved
N/A	11/3/2019	Chemicals, Metals, and Pesticides (CMP) Pits OU	USEPA Thirty-Day Extension Notification for the Effectiveness Monitoring Report (EMR) for the Monitored Natural Attenuation at the CMP Pits OU, March 2018 through March 2019 (SRNS-OS-2019-00348)	Notification	10/17/2019 to 11/15/2019	N/A
N/A	11/3/2019	TNX Area Groundwater	USEPA Thirty-Day Extension Notification for the 2018 Annual Comprehensive TNX Area Groundwater Monitoring and Remedial Action Effectiveness Interim Report (SRNS-OS-2019-00347)	Notification	10/25/2019 to 11/25/2019	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-20-114	11/14/2019	DAOU	USDOE Second Extension Request for the EA SB/PP for the DAOU (SRNS-RP-2017-00723, Revision 1 Redline), Revised EA SB/PP Fact Sheet (ERD-EN-2018-00001), Revised Public Notice Information, and SRS' Responses to the Regulatory Comments on the Revision 0 Document	Request	11/25/2019 to 1/24/2020	Approved
IACD-20-130	2/4/2020	Lower Three Runs IOU	USDOE Fifth Extension Request for the Submittal of the PP (SRNS-RP-2019-00058, Revision 0) and Subsequent Milestones for the Lower Three Runs IOU	Request	PP: 2/24/2020 to 4/24/2020 ROD: 10/13/2020 to 12/12/2020 Issue ROD: 6/22/2021 to 8/21/2021 RAIP: 9/1/2021 to 10/31/2021 LUCIP: 9/1/2021 to 10/31/2021 RA Start: 9/19/2022 to 11/18/2022 PCR/RACR: 6/21/2024 to 8/20/2024	Approved
N/A	3/2/2020	Sixth Five-Year Remedy Review Report for SRS OUs with Groundwater Remedies	USEPA Thirty-Day Extension Notification for the Sixth Five-Year Remedy Review Report for SRS OUs with Groundwater Remedies (U) (SRNS-RP-2019-00511, Revision 0, December 2091) and the Fact Sheet (SRNS-RP-2019-00743) and Scoping Summary (SRNS-RP-2019-00506) (SRNS-OS-2020-00121)	Notification	3/18/2020 to 4/18/2020	N/A
IACD-20-143	4/8/2020	D-Area Coal Storage Area (DACSA) (484-17D)	USDOE Extension Request for the Removal Action Start of the DACSA (484-17D)	Request	4/30/2020 to 8/28/2020	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
N/A	6/18/2020	Lower Three Runs IOU	USEPA Thirty-Day Extension Notification for the Proposed Plan for the Lower Three Runs IOU (SRNS-RP-2019-00058, Revision 0, April 2020) (SRNS-OS-2020-00256)	Notification	6/22/2020 to 7/22/2020	N/A
IACD-20-178	8/27/2020	DAGW OU	USDOE Extension Request for the Submittal of the RFI/RI Work Plan for the DAGW OU (D-Area Upgradient Sources) and Subsequent Milestones	Request	RFI/RI Work Plan: N/A to 6/14/2021 RFI/RI Report with Baseline Risk Assessment: 10/8/2020 to 12/10/2024 Corrective Measures Study/Feasibility Study (CMS/FS): 7/20/2021 to 3/10/2026 SB/PP: 3/21/2022 to 11/10/2026 ROD: 11/7/2022 to 7/15/2027 Issue ROD: 6/30/2023 to 3/28/2028 RA Start Date: 9/30/2024 to 6/21/2029	Approved

N/A = not applicable

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

RCRA/CERCLA Units or SEAs	FY2020 Work Planned	FY2020 Work Accomplished (Appendix D Milestones)	FY2020 Work Accomplished (Other)	FY2021 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	• Submit Annual Performance Evaluation Report (PER) • Conduct post-closure activities	• Submitted Annual PER	• Conducted post-closure activities	• Submit Annual PER • Conduct post-closure activities
A-Area Miscellaneous Rubble Pile (731-6A) OU	• Submit Annual PER • Conduct post-closure activities	• Submitted Annual PER	• Conducted post-closure activities	• Submit Annual PER • Conduct post-closure activities
A-Area Ash Pile (788-0A) and A-Area Coal Pile Runoff Basin (788-3A) OU	• Perform berm stability inspection		• Performed berm stability inspection	• Perform berm stability inspection
B-Area Operable Unit ¹	• Conduct post-closure activities		• Conducted post-closure activities	• Conduct post-closure activities
C-Area Burning/Rubble Pit and Old C-Area Burning/Rubble Pit OU	• Conduct post-closure activities		• Conducted post-closure activities	• Conduct post-closure activities • Submit Biennial Effectiveness Monitoring Report (EMR)
C-Area Groundwater OU	• Submit Removal Action Report (RAR) (Revision 0) • Perform removal action monitoring activities		• Submitted RAR (Revisions 0 and 1) • Performed removal action monitoring activities	• Submit EMR
C-Area Operable Unit ¹	• Conduct post-closure activities		• Conducted post-closure activities	• Conduct post-closure activities

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

RCRA/CERCLA Units or SEAs	FY2020 Work Planned	FY2020 Work Accomplished (Appendix D Milestones)	FY2020 Work Accomplished (Other)	FY2021 Work Planned
C-Reactor Complex	Conduct post-closure activities (EA)		Conducted post-closure activities (EA)	Conduct post-closure activities (EA)
CMP Pits (080-170G, -171G, -180G, -181G, -182G, -183G, -190G) OU	- Submit Annual EMR - Conduct post-closure activities	Submitted Annual EMR	Conducted post-closure activities	- Submit Annual EMR - Conduct post-closure activities
D-Area Expanded OU	Conduct post-closure activities		Conducted post-closure activities	Conduct post-closure activities
D-Area Groundwater OU	- Submit Groundwater Monitoring (GWM) Letter Report - Conduct post-closure activities - Submit DAGW OU RFI/RI Letter Work Plan - Initiate DAGW OU Treatability Study Field Start - Initiate DACSA (484-17D) Removal Action Start - Initiate DAGW OU Field Start	- Submitted GWM Letter Report - Initiated DAGW OU Treatability Study Field Start - Initiated DACSA (484-17D) Removal Action Start - Initiated DAGW OU Field Start	- Conducted post-closure activities - Submitted DAGW OU RFI/RI Letter Work Plan	- Submit GWM Report - Conduct post-closure activities - Submit DAGW OU Treatability Study Data Report - Submit DAGW OU RFI/RI Work Plan (Revision 0)
D-Area Oil Seepage Basin (631-G) OU	- Submit Groundwater Mixing Zone (GWMZ) Report - Conduct post-closure activities	Submitted GWMZ Report	Conducted post-closure activities	- 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	FY2020 Work Planned	FY2020 Work Accomplished (Appendix D Milestones)	FY2020 Work Accomplished (Other)	FY2021 Work Planned
DAOU ¹	• Submit D-Area Ash Basin (488-1D) and D-Area Coal Pile Runoff Basin (CPRB) (489-D) RAR (Revision 1 Clean Copy Professional Engineer stamped) • Submit D-Area Ash Basins (488-1D and 488-2D), D-Area Ash Landfill (488-4D), and D-Area CPRB Second EA ROD (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 1) • 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)	• Submitted D-Area Ash Basins (488-1D and 488-2D), D-Area Ash Landfill (488-4D), and D-Area CPRB Second EA ROD (Revision 0)	• Submitted D-Area Ash Basin (488-1D) and D-Area CPRB (489-D) RAR (Revision 1 Clean Copy Professional Engineer stamped) • Submitted D-Area Ash Basins (488-1D and 488-2D), D-Area Ash Landfill (488-4D), and D-Area CPRB Corrected Focused CMS/FS Letter (Revision 1) • Submitted D-Area Ash Basins (488-1D and 488-2D), D-Area Ash Landfill (488-4D), and D-Area CPRB EA SB/PP (Revision 1) • Submitted D-Area Ash Basins (488-1D and 488-2D), D-Area Ash Landfill (488-4D), and D-Area CPRB Second EA ROD (Revision 1)	• Issue D-Area Ash Basins (488-1D and 488-2D), D-Area Ash Landfill (488-4D), and D-Area CPRB Second EA ROD (FY2021 milestone completed ahead of schedule in FY2020.) • Submit D-Area Ash Basins (488-1D and 488-2D), D-Area Ash Landfill (488-4D), and D-Area CPRB Second EA LUCIP (Revisions 0 and 1) • Initiate D-Area Ash Basins (488-1D and 488-2D), D-Area Ash Landfill (488-4D), and D-Area CPRB EA RA Start

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

RCRA/CERCLA Units or SEAs	FY2020 Work Planned	FY2020 Work Accomplished (Appendix D Milestones)	FY2020 Work Accomplished (Other)	FY2021 Work Planned
DAOU ¹ <i>(cont'd/end)</i>			Issued D-Area Ash Basins (488-1D and 488-2D), D-Area Ash Landfill (488-4D), and D-Area CPRB Second EA ROD (FY2021 milestone completed ahead of schedule in FY2020.)	
E-Area Low Level Waste Facility (643-26E)	Conduct post-construction activities		Conducted post-construction activities	Conduct post-construction activities
ECODS L-1, N-2, P-2, R-1A, R-1B, and R-1C OU	Conduct post-closure activities		Conducted post-closure activities	Conduct post-closure activities
ECODS N-1, Central Shops Scrap Lumber Pile, and Building 690-N OU	- Submit RFI/RI Work Plan (Revisions 0 and 1) - Initiate Field Start	- Submitted RFI/RI Work Plan (Revision 0) - Initiated Field Start	Submitted RFI/RI Work Plan (Revision 1)	Submit Building 690-N Decommissioning Project Final Report (Partial Decommissioning) (Revision 0)
F- and H-Area Hazardous Waste Management Facilities (HWMFs) Groundwater	- Collect quarterly samples from Fourmile Branch (FMB) and seepline - Collect monthly flow measurements and tritium samples from FMB - Continue base injection system operations - Submit Annual Corrective Action Report (CAR)		- Collected quarterly samples from FMB and seepline - Collected monthly flow measurements and tritium samples from FMB - Continued base injection system operations - Submitted Annual CAR - Submitted proposed POC Wells for Appendix IX sampling	- Collect quarterly samples from FMB and seepline - Collect monthly flow measurements and tritium samples from FMB - Continue base injection system operations - Submit Annual CAR

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

RCRA/CERCLA Units or SEAs	FY2020 Work Planned	FY2020 Work Accomplished (Appendix D Milestones)	FY2020 Work Accomplished (Other)	FY2021 Work Planned
F- and H-Area Hazardous Waste Management Facilities (HWMFs) Groundwater (<i>cont'd/end</i>)	Submit proposed Point of Compliance (POC) Wells for Appendix IX sampling			- Submit proposed POC Wells for Appendix IX sampling - Submit 2013 RCRA Permit Renewal Applications (Revision 0)
F-Area OU (EA) ¹				Submit EA RFI/RI Work Plan (Revision 0)
F-Area Retention Basin (281-3F) OU	Conduct groundwater sampling under General Separations Area (GSA) Western Groundwater OU		Conducted groundwater sampling under GSA Western Groundwater OU	Conduct groundwater sampling under GSA Western Groundwater OU
GOSB (761-13G) OU	- Initiate RA - Submit PCR/CMIR/RACR (Revision 0)	Initiated RA Start (Completed in FY2019)	- Submitted PCR/CMIR/RACR (Revision 0) (FY2021 milestone completed ahead of schedule in FY2020.) - Submitted PCR/CMIR/RACR (Revision 0, Certified Clean Copy)	Submit PCR/CMIR/RACR (Revision 0) (FY2021 milestone completed ahead of schedule in FY2020.)
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)]	Conduct post-closure activities		Conducted post-closure activities	Conduct post-closure activities

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

RCRA/CERCLA Units or SEAs	FY2020 Work Planned	FY2020 Work Accomplished (Appendix D Milestones)	FY2020 Work Accomplished (Other)	FY2021 Work Planned
GSA Eastern Groundwater OU (NBN) [formerly the H-Area Groundwater OU (NBN)]	- Collect annual groundwater samples - Submit annual scoping summary		- Collected annual groundwater samples - Submitted annual scoping summary	- 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)]	- Collect annual groundwater samples - Submit annual scoping summary		- Collected annual groundwater samples - Submitted annual scoping summary	- 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)]	Conduct post-closure activities		Conducted post-closure activities	Conduct post-closure activities
K-Area Burning/Rubble Pit and Rubble Pile (131-K and 631-20G), and P-Area Burning/ Rubble Pit (131-P) OUs	- Submit Combined Groundwater Monitoring Report (GMR) (Sampling Summary) - Conduct post-closure activities	Submitted Combined GMR (Sampling Summary)	Conducted post-closure activities	- Submit Combined GMR (Sampling Summary) - Conduct post-closure activities
K-Reactor Complex	Conduct post-closure activities (EA)		Conducted post-closure activities (EA)	Conduct post-closure activities (EA)
L-Area Southern Groundwater OU	- Conduct groundwater monitoring - Submit EMR (4-year EMR)	Submitted EMR (4-year EMR)	Conducted groundwater monitoring	Conduct groundwater monitoring
L-Reactor Complex	Conduct post-closure activities (EA)		Conducted post-closure activities (EA)	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]	- Conduct post-closure activities (EA) - Submit PP (Revisions 0 and 1)	Submitted PP (Revision 0)	- Conducted post-closure activities (EA) - Submitted PP (Revision 1)	- Conduct post-closure activities (EA) - Submit ROD (Revisions 0 and 1) - Issue ROD

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

RCRA/CERCLA Units or SEAs	FY2020 Work Planned	FY2020 Work Accomplished (Appendix D Milestones)	FY2020 Work Accomplished (Other)	FY2021 Work Planned
M-Area Operable Unit ¹	Conduct post-closure activities		Conducted post-closure activities	Conduct post-closure activities
M-Area HWMF: Vadose Zone (643-28G)	- 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 - Submit annual CA and GMR - Submit 2013 RCRA Permit Renewal Application (Revision 0)		- 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 - Submitted 2013 RCRA Permit Renewal Application (Revisions 0 and 1)	- 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
M-Area HWMF: A/M Area Groundwater Portion (904-110G)	- 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 - Complete installation of RWM019 - Submit 2013 RCRA Permit Renewal Application (Revision 0)		- 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	- 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

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

RCRA/CERCLA Units or SEAs	FY2020 Work Planned	FY2020 Work Accomplished (Appendix D Milestones)	FY2020 Work Accomplished (Other)	FY2021 Work Planned
M-Area HWMF: A/M Area Groundwater Portion (904-110G) <i>(cont'd/end)</i>	• Submit Western Sector In-Situ Chemical Oxidation (ISCO) I Second Interim Report • Submit Western Sector ISCO II Temporary Authorization (TA) Request • Submit Western Sector ISCO II Underground Injection Control (UIC) Permit Application		• Completed installation of RWM019 • Submitted Annual Appendix Submitted 2013 RCRA Permit Renewal Application (Revisions 0 and 1) • Submitted Western Sector ISCO I Second Interim Report • Submitted Western Sector ISCO II TA Request • Submitted Western Sector ISCO II UIC Permit Application	• Submit Northwest of MASB TA Request • Submit Crouch Branch Aquifer Unit/McQueen Branch Aquifer Unit Characterization Plan • Submit Western Sector ISCO II Report
MASB Inactive Process Sewers to Manhole 1 (081-M) OU	• Submit Annual PER • Conduct post-closure activities	• Submitted Annual PER	• Conducted post-closure activities • Discontinued operation of the soil vapor extraction system	• Conduct post-closure activities
MASB (904-51G)	• Conduct post-closure activities		• Conducted post-closure activities	• Conduct post-closure activities
Metallurgical Laboratory (Met Lab) / Carolina Bay (904-110G)	• 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		• Submitted Annual Appendix IX POC Well Sampling Proposal • Continued groundwater monitoring • Submitted annual CA and GMR	• Submit Annual Appendix IX POC Well Sampling Proposal • Continue groundwater monitoring • Submit annual CA and GMR

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

RCRA/CERCLA Units or SEAs	FY2020 Work Planned	FY2020 Work Accomplished (Appendix D Milestones)	FY2020 Work Accomplished (Other)	FY2021 Work Planned
Metallurgical Laboratory (Met Lab) / Carolina Bay (904-110G) <i>(cont'd/end)</i>	• Conduct post-closure activities • Submit 2013 RCRA Permit Renewal Application (Revision 0)		• Continued operation of the existing Met Lab recovery wells and BaroBall™ wells • Conducted post-closure activities • Submitted 2013 RCRA Permit Renewal Application (Revisions 0 and 1)	• Continued operation of the existing Met Lab recovery wells and BaroBall™ wells • Conduct post-closure activities
Mixed Waste Management Facility (Groundwater)	• 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		• 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	• 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	• Conduct post-closure activities		• Conducted post-closure activities	• Conduct post-closure activities
P-Area Groundwater OU	• Submit RAR (Revision 0)		• Submitted RAR (Revision 0)	• Submit RAR (Revision 1) • Conduct Permeable Reactive Barrier monitoring

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

RCRA/CERCLA Units or SEAs	FY2020 Work Planned	FY2020 Work Accomplished (Appendix D Milestones)	FY2020 Work Accomplished (Other)	FY2021 Work Planned
R-Area OU ¹	Conduct post-closure activities		Conducted post-closure activities	- Submit Biennial Groundwater EMR - Conduct post-closure activities
R-Area Burning/Rubble Pits (131-R, -1R) and Rubble Pile (631-25G) OU	Conduct post-closure activities		Conducted post-closure activities	Conduct post-closure activities
R-Area Reactor Seepage Basins (904-57G, -58G, -59G, -60G, -103G, -104G) and 108-4R Overflow Basin OU	- Conduct post-closure monitoring activities - Submit Biennial GWMZ Letter Report	Submitted Biennial GWMZ Letter Report	- Conducted post-closure monitoring activities - Completed asphalt crack fill and seal over approximately 290,000 ft² of the seepage basins (corrective maintenance)	- Conduct post-closure monitoring activities - Initiate remaining asphalt crack fill and seal over approximately 325,000 ft² of asphalt cap (corrective maintenance) - Initiate field activities to cover the entire seepage basins surface with two coats asphalt sealant
Sanitary Landfill (740-G) Groundwater	- Submit Annual CA and GMR - Conduct groundwater monitoring		- Submitted Annual CA and GMR - Conducted groundwater monitoring	- Submit Annual CA and GMR - Conduct groundwater monitoring
Sanitary Landfill (740-G)	Conduct post-closure activities		Conducted post-closure activities	Conduct post-closure activities
Silverton Road Waste Site (731-3A)	Conduct post-closure activities		Conducted post-closure activities	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	FY2020 Work Planned	FY2020 Work Accomplished (Appendix D Milestones)	FY2020 Work Accomplished (Other)	FY2021 Work Planned
Savannah River Laboratory (SRL) Seepage Basins (904-53G1, 904-53G2, 904-54G, 904-55G) OU	Conduct post-closure activities		Conducted post-closure activities	Conduct post-closure activities
Steel Creek IOU	Submit WADB PCR (Revision 0)	Submitted WADB PCR (Revision 0)	Installed LUC signs	- Submit WADB PCR (Revision 1) - Conduct post-closure activities
Stormwater Outfall A-013 (NBN) OU	Submit PP (Revision 0)	Submitted PP (Revision 0)	Submitted PP (Revision 1)	Submit ROD (Revisions 0 and 1)
T-Area OU ¹	Conduct post-closure activities		Conducted post-closure activities	Conduct post-closure activities
TNX OU	- Submit Comprehensive Annual Groundwater and RA Effectiveness Interim Report - Conduct post-closure activities	Submitted Comprehensive Annual Groundwater and RA Effectiveness Interim Report	Conducted post-closure activities	- Submit Comprehensive Annual Groundwater and RA Effectiveness Interim Report - Conduct post-closure activities

¹ FFA Appendix C.5 lists the Units and Facilities (or Remnants) assigned to each Area OU.

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, 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 Record of Decisions (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 (FFA) 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 were 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.

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 in the short-term. However, for the remedy to be protective in the long-term, 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 long-term protective of human health and the environment. Therefore, the CAGW OU was added to the list below.

The FY2020 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 [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 Groundwater OU (NBN) ³	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
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
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
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	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, 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
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
R-Area Burning/Rubble Pits (131-R and 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, 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 ⁴	509	71

* 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, HTF, and CAGW OUs were added to the list to certify long-term protectiveness through compliance with the SRS facility security and administrative controls.
4. 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 in FY2019. The signs were installed on January 8, 2020. Per the regulatory approved LUCIP, the field inspections will be performed every five years. Additional inspections may be necessary in the event of unusual weather (e.g., storms with significant wind force or ice storms that could result in tree damage to access control signs) or any other condition warranting inspection. The first inspection since the signs were installed will occur in 2022, which will be before the five-year remedy review for the Wetland Area at Dunbarton Bay in Support of Steel Creek IOU.

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: Michael D. Budney
Michael D. Budney
Savannah River Site Manager

Digitally signed by Michael D.
Budney
Date: 2020.11.23 12:16:46 -05'00'

Date: 11/23/20