



Savannah River  
**NUCLEAR SOLUTIONS**<sup>SM</sup>

FLUOR • NEWPORT NEWS NUCLEAR • HONEYWELL

# **Federal Facility Agreement Annual Progress Report for Fiscal Year 2020**

**SRNS-RP-2020-00712**

**November 2020**

**DISCLAIMER**

**This report was prepared by Savannah River Nuclear Solutions, LLC (SRNS) for the United States Department of Energy under Contract No. DE-AC09-08SR22470 and is an account of work performed under that contract. Neither the United States Government nor any agency thereof, nor any of their employees, nor any of their contractors, subcontractors or their employees assumes any legal liability or responsibility for any third party's use or the results of such use of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process or services by trademark, name, manufacturer or otherwise does not necessarily constitute or imply endorsement, recommendation, or favoring of same by SRNS or the United States or any agency thereof.**

**Printed in the United States of America**

*Prepared for*  
**U.S. Department of Energy**  
**and**  
**Savannah River Nuclear Solutions, LLC**  
**Aiken, South Carolina**

—  
**Program Management & Integration**  
**Environmental Compliance & Area Completion Projects**

*For information pertaining to this report contact:*

**SRS Remedial Project Manager**  
**USDOE-SR / Infrastructure and Area Completion Division**  
**P.O. Box A**  
**Aiken, SC 29802**  
**(803) 952-8365**

**TABLE OF CONTENTS**

| <u>Section</u>                                                                                                                                                                                      | <u>Page</u> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| LIST OF TABLES .....                                                                                                                                                                                | iii         |
| LIST OF APPENDICES .....                                                                                                                                                                            | iii         |
| LIST OF ABBREVIATIONS AND ACRONYMS .....                                                                                                                                                            | v           |
| <b>1.0 INTRODUCTION.....</b>                                                                                                                                                                        | <b>1</b>    |
| <b>1.1 Overview of FY2020 .....</b>                                                                                                                                                                 | <b>1</b>    |
| <b>1.2 Outcome of Extension Notifications and Requests .....</b>                                                                                                                                    | <b>1</b>    |
| <b>1.3 Status of Site Evaluation Areas, Resource Conservation and Recovery Act/Comprehensive Environmental Response, Compensation, and Liability Act Units, and Integrator Operable Units .....</b> | <b>1</b>    |
| <b>1.4 USDOE-Savannah River (SR) Contractors.....</b>                                                                                                                                               | <b>2</b>    |
| <b>2.0 OVERVIEW OF FY2020.....</b>                                                                                                                                                                  | <b>2</b>    |
| <b>2.1 Field Activities.....</b>                                                                                                                                                                    | <b>2</b>    |
| <b>2.2 RODs and/or Explanation of Significant Differences.....</b>                                                                                                                                  | <b>3</b>    |
| <b>2.3 Post-ROD Documents.....</b>                                                                                                                                                                  | <b>3</b>    |
| <b>2.4 Annual Update of FFA Appendices.....</b>                                                                                                                                                     | <b>3</b>    |
| <b>2.4.1 Appendices C, G, H, and K.....</b>                                                                                                                                                         | <b>3</b>    |
| <b>2.4.2 Appendix D, Timetables and Deadlines .....</b>                                                                                                                                             | <b>4</b>    |
| <b>2.4.3 Appendix E, Long Term Projections.....</b>                                                                                                                                                 | <b>4</b>    |
| <b>2.5 Disputes.....</b>                                                                                                                                                                            | <b>4</b>    |
| <b>2.6 Site Evaluation Program .....</b>                                                                                                                                                            | <b>4</b>    |
| <b>3.0 OUTCOME OF EXTENSION NOTIFICATIONS AND REQUESTS.....</b>                                                                                                                                     | <b>5</b>    |
| <b>4.0 STATUS OF SEAS, RCRA/CERCLA UNITS AND IOUS .....</b>                                                                                                                                         | <b>5</b>    |

**LIST OF TABLES**

| <u>Table</u>                                                                                    | <u>Page</u> |
|-------------------------------------------------------------------------------------------------|-------------|
| Table 1. USDOE-SR Contractors.....                                                              | 6           |
| Table 2. Extension Notifications and Requests .....                                             | 7           |
| Table 3. Status of Site Evaluation Areas, RCRA/CERCLA Units, and Integrator Operable Units..... | 10          |

**LIST OF APPENDICES**

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

**This page was intentionally left blank.**

## 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**

| <b>Contractor Name</b>                                      | <b>Responsibility</b>           |
|-------------------------------------------------------------|---------------------------------|
| 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:<br>10/27/2019 to 2/24/2020<br>ROD:<br>6/15/2020 to 10/13/2020<br>Issue ROD:<br>2/22/2021 to 6/22/2021<br>Remedial Action Implementation Plan (RAIP):<br>5/4/2021 to 9/1/2021<br>LUCIP:<br>5/4/2021 to 9/1/2021<br>RA Start:<br>5/22/2022 to 9/19/2022<br>PCR/RACR:<br>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:<br>2/24/2020 to 4/24/2020<br>ROD:<br>10/13/2020 to 12/12/2020<br>Issue ROD:<br>6/22/2021 to 8/21/2021<br>RAIP:<br>9/1/2021 to 10/31/2021<br>LUCIP:<br>9/1/2021 to 10/31/2021<br>RA Start:<br>9/19/2022 to 11/18/2022<br>PCR/RACR:<br>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:<br>N/A to 6/14/2021<br>RFI/RI Report with Baseline Risk Assessment:<br>10/8/2020 to 12/10/2024<br>Corrective Measures Study/Feasibility Study (CMS/FS):<br>7/20/2021 to 3/10/2026<br>SB/PP:<br>3/21/2022 to 11/10/2026<br>ROD:<br>11/7/2022 to 7/15/2027<br>Issue ROD:<br>6/30/2023 to 3/28/2028<br>RA Start Date:<br>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 | <ul style="list-style-type: none"> <li>Submit Annual Performance Evaluation Report (PER)</li> <li>Conduct post-closure activities</li> </ul>            | <ul style="list-style-type: none"> <li>Submitted Annual PER</li> </ul> | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul>                                                         | <ul style="list-style-type: none"> <li>Submit Annual PER</li> <li>Conduct post-closure activities</li> </ul>                                     |
| A-Area Miscellaneous Rubble Pile (731-6A) OU                                                                                                                                               | <ul style="list-style-type: none"> <li>Submit Annual PER</li> <li>Conduct post-closure activities</li> </ul>                                            | <ul style="list-style-type: none"> <li>Submitted Annual PER</li> </ul> | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul>                                                         | <ul style="list-style-type: none"> <li>Submit Annual PER</li> <li>Conduct post-closure activities</li> </ul>                                     |
| A-Area Ash Pile (788-0A) and A-Area Coal Pile Runoff Basin (788-3A) OU                                                                                                                     | <ul style="list-style-type: none"> <li>Perform berm stability inspection</li> </ul>                                                                     |                                                                        | <ul style="list-style-type: none"> <li>Performed berm stability inspection</li> </ul>                                                       | <ul style="list-style-type: none"> <li>Perform berm stability inspection</li> </ul>                                                              |
| B-Area Operable Unit <sup>1</sup>                                                                                                                                                          | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                       |                                                                        | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul>                                                         | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                |
| C-Area Burning/Rubble Pit and Old C-Area Burning/Rubble Pit OU                                                                                                                             | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                       |                                                                        | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul>                                                         | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> <li>Submit Biennial Effectiveness Monitoring Report (EMR)</li> </ul> |
| C-Area Groundwater OU                                                                                                                                                                      | <ul style="list-style-type: none"> <li>Submit Removal Action Report (RAR) (Revision 0)</li> <li>Perform removal action monitoring activities</li> </ul> |                                                                        | <ul style="list-style-type: none"> <li>Submitted RAR (Revisions 0 and 1)</li> <li>Performed removal action monitoring activities</li> </ul> | <ul style="list-style-type: none"> <li>Submit EMR</li> </ul>                                                                                     |
| C-Area Operable Unit <sup>1</sup>                                                                                                                                                          | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                       |                                                                        | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul>                                                         | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                |



**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                                                | <ul style="list-style-type: none"> <li>Conduct post-closure activities (EA)</li> </ul>                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Conducted post-closure activities (EA)</li> </ul>                                               | <ul style="list-style-type: none"> <li>Conduct post-closure activities (EA)</li> </ul>                                                                                                                                    |
| CMP Pits (080-170G, -171G, -180G, -181G, -182G, -183G, -190G) OU | <ul style="list-style-type: none"> <li>Submit Annual EMR</li> <li>Conduct post-closure activities</li> </ul>                                                                                                                                                                                                                                       | <ul style="list-style-type: none"> <li>Submitted Annual EMR</li> </ul>                                                                                                                                                                 | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul>                                                    | <ul style="list-style-type: none"> <li>Submit Annual EMR</li> <li>Conduct post-closure activities</li> </ul>                                                                                                              |
| D-Area Expanded OU                                               | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul>                                                    | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                                                                                         |
| D-Area Groundwater OU                                            | <ul style="list-style-type: none"> <li>Submit Groundwater Monitoring (GWM) Letter Report</li> <li>Conduct post-closure activities</li> <li>Submit DAGW OU RFI/RI Letter Work Plan</li> <li>Initiate DAGW OU Treatability Study Field Start</li> <li>Initiate DACSA (484-17D) Removal Action Start</li> <li>Initiate DAGW OU Field Start</li> </ul> | <ul style="list-style-type: none"> <li>Submitted GWM Letter Report</li> <li>Initiated DAGW OU Treatability Study Field Start</li> <li>Initiated DACSA (484-17D) Removal Action Start</li> <li>Initiated DAGW OU Field Start</li> </ul> | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> <li>Submitted DAGW OU RFI/RI Letter Work Plan</li> </ul> | <ul style="list-style-type: none"> <li>Submit GWM Report</li> <li>Conduct post-closure activities</li> <li>Submit DAGW OU Treatability Study Data Report</li> <li>Submit DAGW OU RFI/RI Work Plan (Revision 0)</li> </ul> |
| D-Area Oil Seepage Basin (631-G) OU                              | <ul style="list-style-type: none"> <li>Submit Groundwater Mixing Zone (GWMZ) Report</li> <li>Conduct post-closure activities</li> </ul>                                                                                                                                                                                                            | <ul style="list-style-type: none"> <li>Submitted GWMZ Report</li> </ul>                                                                                                                                                                | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul>                                                    | <ul style="list-style-type: none"> <li>Submit GWMZ Letter Report</li> <li>Conduct post-closure activities</li> </ul>                                                                                                      |

**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 <sup>1</sup>         | <ul style="list-style-type: none"> <li>• 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)</li> <li>• 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)</li> <li>• 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)</li> <li>• 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)</li> </ul> | <ul style="list-style-type: none"> <li>• 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)</li> </ul> | <ul style="list-style-type: none"> <li>• Submitted D-Area Ash Basin (488-1D) and D-Area CPRB (489-D) RAR (Revision 1 Clean Copy Professional Engineer stamped)</li> <li>• 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)</li> <li>• 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)</li> <li>• 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)</li> </ul> | <ul style="list-style-type: none"> <li>• 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.)</li> <li>• 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)</li> <li>• Initiate D-Area Ash Basins (488-1D and 488-2D), D-Area Ash Landfill (488-4D), and D-Area CPRB EA RA Start</li> </ul> |

**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 <sup>1</sup> (cont'd/end)                                          |                                                                                                                                                                                                                                                                                                      |                                                                                                                          | <ul style="list-style-type: none"> <li>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.)</li> </ul>                                                                                                          |                                                                                                                                                                                                                                                         |
| E-Area Low Level Waste Facility (643-26E)                               | <ul style="list-style-type: none"> <li>Conduct post-construction activities</li> </ul>                                                                                                                                                                                                               |                                                                                                                          | <ul style="list-style-type: none"> <li>Conducted post-construction activities</li> </ul>                                                                                                                                                                                                                                       | <ul style="list-style-type: none"> <li>Conduct post-construction activities</li> </ul>                                                                                                                                                                  |
| ECODS L-1, N-2, P-2, R-1A, R-1B, and R-1C OU                            | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                                                                                                                                                                    |                                                                                                                          | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul>                                                                                                                                                                                                                                            | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                                                                                                                       |
| ECODS N-1, Central Shops Scrap Lumber Pile, and Building 690-N OU       | <ul style="list-style-type: none"> <li>Submit RFI/RI Work Plan (Revisions 0 and 1)</li> <li>Initiate Field Start</li> </ul>                                                                                                                                                                          | <ul style="list-style-type: none"> <li>Submitted RFI/RI Work Plan (Revision 0)</li> <li>Initiated Field Start</li> </ul> | <ul style="list-style-type: none"> <li>Submitted RFI/RI Work Plan (Revision 1)</li> </ul>                                                                                                                                                                                                                                      | <ul style="list-style-type: none"> <li>Submit Building 690-N Decommissioning Project Final Report (Partial Decommissioning) (Revision 0)</li> </ul>                                                                                                     |
| F- and H-Area Hazardous Waste Management Facilities (HWMFs) Groundwater | <ul style="list-style-type: none"> <li>Collect quarterly samples from Fourmile Branch (FMB) and seepline</li> <li>Collect monthly flow measurements and tritium samples from FMB</li> <li>Continue base injection system operations</li> <li>Submit Annual Corrective Action Report (CAR)</li> </ul> |                                                                                                                          | <ul style="list-style-type: none"> <li>Collected quarterly samples from FMB and seepline</li> <li>Collected monthly flow measurements and tritium samples from FMB</li> <li>Continued base injection system operations</li> <li>Submitted Annual CAR</li> <li>Submitted proposed POC Wells for Appendix IX sampling</li> </ul> | <ul style="list-style-type: none"> <li>Collect quarterly samples from FMB and seepline</li> <li>Collect monthly flow measurements and tritium samples from FMB</li> <li>Continue base injection system operations</li> <li>Submit Annual CAR</li> </ul> |

**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>                                                                                                         | <ul style="list-style-type: none"> <li>Submit proposed Point of Compliance (POC) Wells for Appendix IX sampling</li> </ul>                 |                                                                                            |                                                                                                                                                                                                                      | <ul style="list-style-type: none"> <li>Submit proposed POC Wells for Appendix IX sampling</li> <li>Submit 2013 RCRA Permit Renewal Applications (Revision 0)</li> </ul> |
| F-Area OU (EA) <sup>1</sup>                                                                                                                                                                         |                                                                                                                                            |                                                                                            |                                                                                                                                                                                                                      | <ul style="list-style-type: none"> <li>Submit EA RFI/RI Work Plan (Revision 0)</li> </ul>                                                                               |
| F-Area Retention Basin (281-3F) OU                                                                                                                                                                  | <ul style="list-style-type: none"> <li>Conduct groundwater sampling under General Separations Area (GSA) Western Groundwater OU</li> </ul> |                                                                                            | <ul style="list-style-type: none"> <li>Conducted groundwater sampling under GSA Western Groundwater OU</li> </ul>                                                                                                    | <ul style="list-style-type: none"> <li>Conduct groundwater sampling under GSA Western Groundwater OU</li> </ul>                                                         |
| GOSB (761-13G) OU                                                                                                                                                                                   | <ul style="list-style-type: none"> <li>Initiate RA</li> <li>Submit PCR/CMIR/RACR (Revision 0)</li> </ul>                                   | <ul style="list-style-type: none"> <li>Initiated RA Start (Completed in FY2019)</li> </ul> | <ul style="list-style-type: none"> <li>Submitted PCR/CMIR/RACR (Revision 0) (FY2021 milestone completed ahead of schedule in FY2020.)</li> <li>Submitted PCR/CMIR/RACR (Revision 0, Certified Clean Copy)</li> </ul> | <ul style="list-style-type: none"> <li>Submit PCR/CMIR/RACR (Revision 0) (FY2021 milestone completed ahead of schedule in FY2020.)</li> </ul>                           |
| 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"> <li>Conduct post-closure activities</li> </ul>                                                          |                                                                                            | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul>                                                                                                                                  | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                                       |

**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)]                                                  | <ul style="list-style-type: none"> <li>Collect annual groundwater samples</li> <li>Submit annual scoping summary</li> </ul>                                       |                                                                                             | <ul style="list-style-type: none"> <li>Collected annual groundwater samples</li> <li>Submitted annual scoping summary</li> </ul> | <ul style="list-style-type: none"> <li>Collect annual groundwater samples</li> <li>Submit annual scoping summary</li> </ul>                       |
| 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"> <li>Collect annual groundwater samples</li> <li>Submit annual scoping summary</li> </ul>                                       |                                                                                             | <ul style="list-style-type: none"> <li>Collected annual groundwater samples</li> <li>Submitted annual scoping summary</li> </ul> | <ul style="list-style-type: none"> <li>Collect annual groundwater samples</li> <li>Submit annual scoping summary</li> </ul>                       |
| 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"> <li>Conduct post-closure activities</li> </ul>                                                                                 |                                                                                             | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul>                                              | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                 |
| 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"> <li>Submit Combined Groundwater Monitoring Report (GMR) (Sampling Summary)</li> <li>Conduct post-closure activities</li> </ul> | <ul style="list-style-type: none"> <li>Submitted Combined GMR (Sampling Summary)</li> </ul> | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul>                                              | <ul style="list-style-type: none"> <li>Submit Combined GMR (Sampling Summary)</li> <li>Conduct post-closure activities</li> </ul>                 |
| K-Reactor Complex                                                                                                            | <ul style="list-style-type: none"> <li>Conduct post-closure activities (EA)</li> </ul>                                                                            |                                                                                             | <ul style="list-style-type: none"> <li>Conducted post-closure activities (EA)</li> </ul>                                         | <ul style="list-style-type: none"> <li>Conduct post-closure activities (EA)</li> </ul>                                                            |
| L-Area Southern Groundwater OU                                                                                               | <ul style="list-style-type: none"> <li>Conduct groundwater monitoring</li> <li>Submit EMR (4-year EMR)</li> </ul>                                                 | <ul style="list-style-type: none"> <li>Submitted EMR (4-year EMR)</li> </ul>                | <ul style="list-style-type: none"> <li>Conducted groundwater monitoring</li> </ul>                                               | <ul style="list-style-type: none"> <li>Conduct groundwater monitoring</li> </ul>                                                                  |
| L-Reactor Complex                                                                                                            | <ul style="list-style-type: none"> <li>Conduct post-closure activities (EA)</li> </ul>                                                                            |                                                                                             | <ul style="list-style-type: none"> <li>Conducted post-closure activities (EA)</li> </ul>                                         | <ul style="list-style-type: none"> <li>Conduct post-closure activities (EA)</li> </ul>                                                            |
| Lower Three Runs IOU [including P and R Pond (685G), Pre-Cooler Ponds and Canals, and Old R-Area Discharge Canal]            | <ul style="list-style-type: none"> <li>Conduct post-closure activities (EA)</li> <li>Submit PP (Revisions 0 and 1)</li> </ul>                                     | <ul style="list-style-type: none"> <li>Submitted PP (Revision 0)</li> </ul>                 | <ul style="list-style-type: none"> <li>Conducted post-closure activities (EA)</li> <li>Submitted PP (Revision 1)</li> </ul>      | <ul style="list-style-type: none"> <li>Conduct post-closure activities (EA)</li> <li>Submit ROD (Revisions 0 and 1)</li> <li>Issue ROD</li> </ul> |

**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 <sup>1</sup>                    | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                                                                                                                                                                                                                                                                                                                               |                                                  | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul>                                                                                                                                                                                                                                                     | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                                                                                                                                                                                        |
| M-Area HWMF: Vadose Zone (643-28G)                   | <ul style="list-style-type: none"> <li>Continue characterization of vadose zone</li> <li>Continue operation of M-Area Settling Basin (MASB) Western Sector Treatment System (WSTS) and other vadose zone corrective action (CA) systems</li> <li>Submit annual WSTS polychlorinated biphenyl (PCB) progress report</li> <li>Submit annual CA and GMR</li> <li>Submit 2013 RCRA Permit Renewal Application (Revision 0)</li> </ul>                               |                                                  | <ul style="list-style-type: none"> <li>Continued characterization of vadose zone</li> <li>Continued operation of MASB WSTS and other vadose zone CA systems</li> <li>Submitted annual WSTS PCB progress report</li> <li>Submit annual CA and GMR</li> <li>Submitted 2013 RCRA Permit Renewal Application (Revisions 0 and 1)</li> </ul> | <ul style="list-style-type: none"> <li>Continue characterization of vadose zone</li> <li>Continue operation of MASB WSTS and other vadose zone CA systems</li> <li>Submit annual WSTS PCB progress report</li> <li>Submit annual CA and GMR</li> </ul>                                                                   |
| M-Area HWMF: A/M Area Groundwater Portion (904-110G) | <ul style="list-style-type: none"> <li>Submit Annual Appendix IX POC Well Sampling Proposal</li> <li>Continued operation of the WSTS and other CA systems</li> <li>Continue additional characterization of suspect volatile organic compound (VOC) sources</li> <li>Continue groundwater monitoring</li> <li>Submit the annual CA and GMR</li> <li>Complete installation of RWM019</li> <li>Submit 2013 RCRA Permit Renewal Application (Revision 0)</li> </ul> |                                                  | <ul style="list-style-type: none"> <li>Submitted Annual Appendix IX POC Well Sampling Proposal</li> <li>Continued operation of WSTS and other CA systems</li> <li>Continued additional characterization of suspect VOC sources</li> <li>Continued groundwater monitoring</li> <li>Submitted annual CA and GMR</li> </ul>                | <ul style="list-style-type: none"> <li>Submit Annual Appendix IX POC Well Sampling Proposal</li> <li>Continued operation of the WSTS and other CA systems</li> <li>Continue additional characterization of suspect VOC sources</li> <li>Continue groundwater monitoring</li> <li>Submit the annual CA and GMR</li> </ul> |

**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> | <ul style="list-style-type: none"> <li>• Submit Western Sector In-Situ Chemical Oxidation (ISCO) I Second Interim Report</li> <li>• Submit Western Sector ISCO II Temporary Authorization (TA) Request</li> <li>• Submit Western Sector ISCO II Underground Injection Control (UIC) Permit Application</li> </ul> |                                                                          | <ul style="list-style-type: none"> <li>• Completed installation of RWM019</li> <li>• Submitted Annual Appendix Submitted 2013 RCRA Permit Renewal Application (Revisions 0 and 1)</li> <li>• Submitted Western Sector ISCO I Second Interim Report</li> <li>• Submitted Western Sector ISCO II TA Request</li> <li>• Submitted Western Sector ISCO II UIC Permit Application</li> </ul> | <ul style="list-style-type: none"> <li>• Submit Northwest of MASB TA Request</li> <li>• Submit Crouch Branch Aquifer Unit/McQueen Branch Aquifer Unit Characterization Plan</li> <li>• Submit Western Sector ISCO II Report</li> </ul> |
| MASB Inactive Process Sewers to Manhole 1 (081-M) OU                     | <ul style="list-style-type: none"> <li>• Submit Annual PER</li> <li>• Conduct post-closure activities</li> </ul>                                                                                                                                                                                                  | <ul style="list-style-type: none"> <li>• Submitted Annual PER</li> </ul> | <ul style="list-style-type: none"> <li>• Conducted post-closure activities</li> <li>• Discontinued operation of the soil vapor extraction system</li> </ul>                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>• Conduct post-closure activities</li> </ul>                                                                                                                                                    |
| MASB (904-51G)                                                           | <ul style="list-style-type: none"> <li>• Conduct post-closure activities</li> </ul>                                                                                                                                                                                                                               |                                                                          | <ul style="list-style-type: none"> <li>• Conducted post-closure activities</li> </ul>                                                                                                                                                                                                                                                                                                   | <ul style="list-style-type: none"> <li>• Conduct post-closure activities</li> </ul>                                                                                                                                                    |
| Metallurgical Laboratory (Met Lab) / Carolina Bay (904-110G)             | <ul style="list-style-type: none"> <li>• Submit Annual Appendix IX POC Well Sampling Proposal</li> <li>• Continue groundwater monitoring</li> <li>• Submit annual CA and GMR</li> <li>• Continue operation of the existing Met Lab recovery wells and BaroBall™ wells</li> </ul>                                  |                                                                          | <ul style="list-style-type: none"> <li>• Submitted Annual Appendix IX POC Well Sampling Proposal</li> <li>• Continued groundwater monitoring</li> <li>• Submitted annual CA and GMR</li> </ul>                                                                                                                                                                                          | <ul style="list-style-type: none"> <li>• Submit Annual Appendix IX POC Well Sampling Proposal</li> <li>• Continue groundwater monitoring</li> <li>• Submit annual CA and GMR</li> </ul>                                                |

**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> | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> <li>Submit 2013 RCRA Permit Renewal Application (Revision 0)</li> </ul>                                                                                                                                                                      |                                                  | <ul style="list-style-type: none"> <li>Continued operation of the existing Met Lab recovery wells and BaroBall™ wells</li> <li>Conducted post-closure activities</li> <li>Submitted 2013 RCRA Permit Renewal Application (Revisions 0 and 1)</li> </ul>                                                      | <ul style="list-style-type: none"> <li>Continued operation of the existing Met Lab recovery wells and BaroBall™ wells</li> <li>Conduct post-closure activities</li> </ul>                                                                                                                              |
| Mixed Waste Management Facility (Groundwater)                                    | <ul style="list-style-type: none"> <li>Conduct operation and effectiveness monitoring of the Tritium phytoremediation system at the Southwest Plume (SWP)</li> <li>Maintain compliance with groundwater monitoring</li> <li>Submit the proposed POC Wells for Appendix IX sampling</li> <li>Submit Annual CAR</li> </ul> |                                                  | <ul style="list-style-type: none"> <li>Conducted operation and effectiveness monitoring of the Tritium phytoremediation system at SWP</li> <li>Maintained compliance with groundwater monitoring</li> <li>Submitted the proposed POC Wells for Appendix IX sampling</li> <li>Submitted Annual CAR</li> </ul> | <ul style="list-style-type: none"> <li>Conduct operation and effectiveness monitoring of the Tritium phytoremediation system at the SWP</li> <li>Maintain compliance with groundwater monitoring</li> <li>Submit the proposed POC Wells for Appendix IX sampling</li> <li>Submit Annual CAR</li> </ul> |
| P-Area Operable Unit <sup>1</sup>                                                | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                                                                                                                                                                                        |                                                  | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul>                                                                                                                                                                                                                          | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                                                                                                                                                                      |
| P-Area Groundwater OU                                                            | <ul style="list-style-type: none"> <li>Submit RAR (Revision 0)</li> </ul>                                                                                                                                                                                                                                                |                                                  | <ul style="list-style-type: none"> <li>Submitted RAR (Revision 0)</li> </ul>                                                                                                                                                                                                                                 | <ul style="list-style-type: none"> <li>Submit RAR (Revision 1)</li> <li>Conduct Permeable Reactive Barrier monitoring</li> </ul>                                                                                                                                                                       |



**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 <sup>1</sup>                                                                               | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                        |                                                                                         | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul>                                                                                                                                                    | <ul style="list-style-type: none"> <li>Submit Biennial Groundwater EMR</li> <li>Conduct post-closure activities</li> </ul>                                                                                                                                                                                                                          |
| R-Area Burning/Rubble Pits (131-R, -1R) and Rubble Pile (631-25G) OU                                 | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                        |                                                                                         | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul>                                                                                                                                                    | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                                                                                                                                                                                                                   |
| R-Area Reactor Seepage Basins (904-57G, -58G, -59G, -60G, -103G, -104G) and 108-4R Overflow Basin OU | <ul style="list-style-type: none"> <li>Conduct post-closure monitoring activities</li> <li>Submit Biennial GWMZ Letter Report</li> </ul> | <ul style="list-style-type: none"> <li>Submitted Biennial GWMZ Letter Report</li> </ul> | <ul style="list-style-type: none"> <li>Conducted post-closure monitoring activities</li> <li>Completed asphalt crack fill and seal over approximately 290,000 ft<sup>2</sup> of the seepage basins (corrective maintenance)</li> </ul> | <ul style="list-style-type: none"> <li>Conduct post-closure monitoring activities</li> <li>Initiate remaining asphalt crack fill and seal over approximately 325,000 ft<sup>2</sup> of asphalt cap (corrective maintenance)</li> <li>Initiate field activities to cover the entire seepage basins surface with two coats asphalt sealant</li> </ul> |
| Sanitary Landfill (740-G) Groundwater                                                                | <ul style="list-style-type: none"> <li>Submit Annual CA and GMR</li> <li>Conduct groundwater monitoring</li> </ul>                       |                                                                                         | <ul style="list-style-type: none"> <li>Submitted Annual CA and GMR</li> <li>Conducted groundwater monitoring</li> </ul>                                                                                                                | <ul style="list-style-type: none"> <li>Submit Annual CA and GMR</li> <li>Conduct groundwater monitoring</li> </ul>                                                                                                                                                                                                                                  |
| Sanitary Landfill (740-G)                                                                            | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                        |                                                                                         | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul>                                                                                                                                                    | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                                                                                                                                                                                                                   |
| Silverton Road Waste Site (731-3A)                                                                   | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                        |                                                                                         | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul>                                                                                                                                                    | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                                                                                                                                                                                                                   |

**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 | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                                      |                                                                                                                                  | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul> | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                                      |
| Steel Creek IOU                                                                          | <ul style="list-style-type: none"> <li>Submit WADB PCR (Revision 0)</li> </ul>                                                                                         | <ul style="list-style-type: none"> <li>Submitted WADB PCR (Revision 0)</li> </ul>                                                | <ul style="list-style-type: none"> <li>Installed LUC signs</li> </ul>               | <ul style="list-style-type: none"> <li>Submit WADB PCR (Revision 1)</li> <li>Conduct post-closure activities</li> </ul>                                                |
| Stormwater Outfall A-013 (NBN) OU                                                        | <ul style="list-style-type: none"> <li>Submit PP (Revision 0)</li> </ul>                                                                                               | <ul style="list-style-type: none"> <li>Submitted PP (Revision 0)</li> </ul>                                                      | <ul style="list-style-type: none"> <li>Submitted PP (Revision 1)</li> </ul>         | <ul style="list-style-type: none"> <li>Submit ROD (Revisions 0 and 1)</li> </ul>                                                                                       |
| T-Area OU <sup>1</sup>                                                                   | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                                      |                                                                                                                                  | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul> | <ul style="list-style-type: none"> <li>Conduct post-closure activities</li> </ul>                                                                                      |
| TNX OU                                                                                   | <ul style="list-style-type: none"> <li>Submit Comprehensive Annual Groundwater and RA Effectiveness Interim Report</li> <li>Conduct post-closure activities</li> </ul> | <ul style="list-style-type: none"> <li>Submitted Comprehensive Annual Groundwater and RA Effectiveness Interim Report</li> </ul> | <ul style="list-style-type: none"> <li>Conducted post-closure activities</li> </ul> | <ul style="list-style-type: none"> <li>Submit Comprehensive Annual Groundwater and RA Effectiveness Interim Report</li> <li>Conduct post-closure activities</li> </ul> |

<sup>1</sup> 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.

| <b>Unit Name</b>                                                                                                                                                                                                                                                                                                                            | <b>SRS Index Number(s)</b> | <b>SEMS Number(s)</b> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------|
| 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) <sup>3</sup>                                                                                                                                                                                                                                                                                                    | 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 <sub>2</sub> SO <sub>4</sub> 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 <sup>4</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 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 Digitally signed by Michael D. Budney  
Date: 2020.11.23 12:16:46 -05'00'

Michael D. Budney  
Savannah River Site Manager

Date: 11/23/20