



Department of Energy
 Savannah River Operations Office
 P.O. Box A
 Aiken, South Carolina 29802

NOV 15 2019

Ms. Susan B. Fulmer, P. G., Manager
 Federal Remediation Section
 Division of Site Assessment, Remediation and Revitalization
 Bureau of Land and Waste Management
 South Carolina Department of Health and Environmental Control
 2600 Bull Street
 Columbia, South Carolina 29201

Mr. Jon Richards
 Acting Savannah River Site Remedial Project Manager
 Superfund Division
 U. S. Environmental Protection Agency, Region 4
 61 Forsyth Street, SW
 Atlanta, Georgia 30303

Dear Ms. Fulmer and Mr. Richards:

SUBJECT: Federal Facility Agreement Revision 0 Appendix E, Long-Term Projections for Fiscal Year 2020 (Print Date: 10/30/2019)

In accordance with the terms of Section XIX.C of the Federal Facility Agreement (FFA) for the Savannah River Site (SRS), the U.S. Department of Energy (DOE) is submitting the Revision 0 Appendix E, Long-Term Projections for Fiscal Year (FY) 2020 (Print Date: 10/30/2019) (Enclosure 1) for your review.

The enclosed Appendix E maintains progress and protects human health and the environment. We ask that you provide us with an opportunity to discuss any concerns that you may have before providing your comments.

Appendix E.1 (FY2021)

The information listed below reflects changes from the Revision 0 Appendix E for FY2019 – E.2: Deliverables Commitment Dates and Milestone Commitment Dates for FY2021 (Print Date: 10/26/2018, Updated 10/24/2019).

1. The DOE will be considering, evaluating, and discussing ash disposal options with the U. S. Environmental Protection Agency (EPA) and South Carolina Department of Health and Environmental Control (SCDHEC) in the near future. Until the evaluation and discussions are completed, the DOE proposes to postpone the A-Area Ash Pile (788-A) and A-Area Coal Pile Runoff Basin (788-3A) Operable Unit (OU) by three years and separate out the Stormwater Outfall A-013 (No Building Number [NBN]) as a stand-alone OU. Under this proposal, the currently approved milestones for the A-Area Ash Pile (788-A), A-Area Coal Pile Runoff Basin (788-3A), and Stormwater Outfall A-013 (NBN) OU will now only apply to the Stormwater Outfall A-013 (NBN) OU.

- Stormwater Outfall A-013 (NBN) Operable Unit Revision 0 Record of Decision Remedial Alternative Selection Submittal – 03/09/2021.

If this proposal is agreed upon by EPA and SCDHEC, A-Area Ash Pile (788-A), A-Area Coal Pile Runoff Basin (788-3A), and Stormwater Outfall A-013 (NBN) OU milestones in FY2020 would also be revised as shown below. As noted in Appendix C of the FFA, Stormwater Outfall A-013 (NBN) does not require a Resource Conservation and Recovery Act (RCRA) Permit modification (not subject to RCRA 3004(u) requirements); therefore, only a Proposed Plan would be submitted for the outfall.

- A-Area Ash Pile (788-A), A-Area Coal Pile Runoff Basin (788-3A), and Stormwater Outfall A-013 (NBN) Operable Unit Revision 1.2 Interim Action Statement of Basis/Proposed Plan Submittal – 06/22/2020 (not currently listed in the FFA because it's a Revision 1.2 submittal) will become
 - Stormwater Outfall A-013 (NBN) Operable Unit Revision 0 Proposed Plan Submittal – 06/22/2020 (will be added to the FFA since it's a Revision 0 submittal)
2. Due to ongoing operations in F-Area, the DOE proposes to investigate the building remnants that are currently listed as subunits under F-Area OU as an early action and the remaining subunits as a final action. This resulted in the addition of an Early Action RCRA Facility Investigation/Remedial Investigation Work Plan Submittal in Support of F-Area Operable Unit on 09/30/2021 for fourteen buildings.

Appendix E.2 (FY2022)

The information listed below does not include annual or biennial submittals that are required per the FFA or previous regulatory agreements.

1. Based on the implementation schedule that was submitted with the Revision 0 Appendix E for FY2019 (IACD-19-108, dated November 15, 2018), the Early Construction and Operational Disposal Site (ECODS) N-1 (South of N Area) (NBN), Central Shops Scrap Lumber Pile (631-2G), and Building 690-N, Process Heat Exchanger Repair Facility (aka Ford Building) OU submittals are listed as shown below.
- Early Construction and Operational Disposal Site (ECODS) N-1 (South of N Area) (NBN), Central Shops Scrap Lumber Pile (631-2G), and Building 690-N, Process Heat Exchanger Repair Facility (aka Ford Building) Operable Unit Revision 0 Resource Conversation and Recovery Act (RCRA) Facility Investigation/Remedial Investigation (RFI/RI) Report with Baseline Risk Assessment (BRA) and Corrective Measures Study/Feasibility Study (CMS/FS) Submittal – 10/28/2021
 - Early Construction and Operational Disposal Site (ECODS) N-1 (South of N Area) (NBN), Central Shops Scrap Lumber Pile (631-2G), and Building 690-N, Process Heat Exchanger

Repair Facility (aka Ford Building) Operable Unit Revision 0 Statement of Basis/Proposed Submittal - 08/03/2022.

2. As discussed above, milestones associated with the A-Area Ash Pile (788-A), A-Area Coal Pile Runoff Basin (788-3A), and Stormwater Outfall A-013 (NBN) OU will now refer to only the Stormwater Outfall A-013 (NBN) OU; therefore, the milestones or documents and submittal dates listed below are included in Appendix E.2.
 - o Issue Stormwater Outfall A-013 (NBN) Operable Unit Record of Decision Remedial Alternative Selection – 11/29/2021

Based on the implementation schedule submitted with the Revision 0 Appendix E for FY2018 (IACD-18-103, dated November 14, 2017), the A-Area Ash Pile (788-A), A-Area Coal Pile Runoff Basin (788-3A), and Stormwater Outfall A-013 (NBN) OU Revision 0 Interim Corrective Measures Implementation/Remedial Action Implementation Plan Submittal is due on 02/16/2022. However, this document is not needed for Stormwater Outfall A-013 (NBN). Based on a Core Team decision that data from sample locations near an access road were not related to Stormwater Outfall A-013, there are no constituents that pose a threat to human health and the environment and there are no problems warranting action.

3. Based on the enclosed implementation schedule (Enclosure 2), the Revision 0 Sixth Five-Year Remedy Review Report for Savannah River Site Operable Units with Geosynthetic or Stabilization/Solidification Cover Systems Submittal is included with a date of 12/15/2021.
4. Based on the implementation schedule that was submitted with the Revision 0 Appendix E for FY2019 (IACD-19-108, dated November 15, 2018), the Issue Sixth Five-Year Remedy Review Report for Savannah River Site Operable Units with Engineered Cover Systems is scheduled for 02/01/2022.
5. Based on the implementation schedule that was submitted with the Revision 0 Appendix E for FY2019 (IACD-19-108, dated November 15, 2018), the Early Construction and Operational Disposal Site (ECODS) L-3 (East of L Area) (NBN), L-Area Rubble Pit (131-1L) and L-Area Rubble Pit (131-4L) OU Revision 0 Resource Conversation and Recovery Act (RCRA) Facility Investigation/Remedial Investigation (RFI/RI) Work Plan Submittal is scheduled for 02/24/2022.

The L-Area Ash Basin (188-L) was previously listed as a subunit of this OU; however, DOE proposes to revise the schedule for the L-Area Ash Basin (188-L) three years to allow time for the completion an evaluation of ash disposition alternatives.

6. The Early Action RCRA Facility Investigation/Remedial Investigation (RFI/RI) Field Start in Support of F-Area Operable Unit is scheduled for 09/30/2022 for fourteen buildings/remnants.

Appendix E.3 (FY2023+)

1. Due to ongoing operations, the subunits of the F-Area Operable Unit were divided into an early action and a final action. The early action is associated with the fourteen building remnants and the final action is associated with the remaining subunits. The dates for the early action and final action are the same as previous submittals, with the exception that a final action Field Start date is listed as September 2035.

	Early Action	Final Action
Field Start	SEPT 2022	SEP 2035
ROD Issuance	OCT 2026	SEP 2039
RA Start	JAN 2028	DEC 2040

2. Due to ongoing operations in H-Area, the dates for Building 261-H, Consolidated Incineration Facility (CIF) (Hazardous Waste Incinerator) were revised to be in alignment with the closure of the H-Area Operable Unit (HAOU). If DOE-Savannah River Operations Office receives funding prior to the proposed dates, we will evaluate accelerating this cleanup project with the Core Team.

Current Dates (Early Action)			Proposed Dates (HAOU Closure)		
Field Start	ROD Issuance	RA Start	Field Start	ROD Issuance	RA Start
N/A	SEP 2023	SEP 2024	SEP 2037	JAN 2042	APR 2043

N/A – Not Applicable

3. The G-Area Oil Seepage Basin Operable Unit (761-13G) was removed from Appendix E.3 since the Field Start, ROD Issuance, and RA Start dates have been met.
4. Due to DOE, EPA, and SCDHEC agreement to a phased remediation of the Wetland Area at Dunbarton Bay (WADB) in Support of Steel Creek, footnote 13 was added to the WADB: “¹³ By Core Team agreement, the Wetland Area at Dunbarton Bay was divided into two phases: Phase 1 (North Ash Remediation Area and South Ash Remediation Area [SARA] Zone 1) and Phase 2 (SARA Zones 2, 3, 3a, and 4). Phase 1 remediation is complete. Phase 2 remediation will be addressed at a later date after completion of an evaluation of ash disposition alternatives.”

In addition, since the Phase 1 remediation activities are complete, the milestone dates were removed from Appendix E.3. Phase 2 dates will be added once Core Team agreement is reached on the dates.

5. DOE will be considering, evaluating and discussing ash disposal options with EPA and SCDHEC in the near future. Until the evaluation of the ash disposal options is complete, DOE is proposing that the A-Area Ash Pile (788-A) and A-Area Coal Pile Runoff Basin (788-3A) and the L-Area Ash Basin (188-L) be separated from their respective OUs and become stand-alone OUs with separate schedules

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that have been adjusted three years as shown below. The other remaining ash basins (F-Area, H-Area, and K-Area) do not need to be deferred, as they are currently scheduled more than three years in the future.

L-Area Ash Basin (188-L)

Current Dates			Proposed Dates		
Field Start	ROD Issuance	RA Start	Field Start	ROD Issuance	RA Start
SEP 2022	AUG 2025	NOV 2026	SEP 2025	AUG 2028	NOV 2029

A-Area Ash Pile (788-A) and A-Area Coal Pile Runoff Basin (788-3A)

Current Dates (Interim Action)			Proposed Dates (Final Action)		
Field Start	ROD Issuance	RA Start	Field Start	ROD Issuance	RA Start
N/A	NOV 2021	MAR 2023	N/A	NOV 2024	MAR 2026

N/A – Not Applicable

The High-Level Waste (HLW) Tank commitments in this appendix are from Appendix L, and reflect the 2019 Suspension Agreement – FFA HLW Tank Milestones. Accordingly, new milestones are expected to be established by 9/30/22. As we have done in the past, we look forward to continued discussions with you regarding where we are today and our future planning so that we may address these issues in a constructive manner.

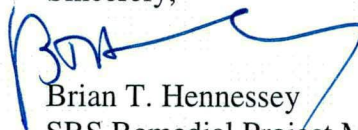
To aid in your review of the Revision 0 Appendix E for FY2020 Enclosures 3 through 6 are also provided:

6. Tally of Milestones for Fiscal Year 2021
7. Tally of Milestones for Fiscal Year 2022
8. Tally of Milestones for Fiscal Years 2020 – 2065
9. FY2019 Area Completion Plan

Please review the enclosures and provide your comments by December 31, 2019. The effort and time that the EPA and SCDHEC have given on the subject appendix are greatly appreciated.

Questions from you or your staff may be directed to me at (803) 952-8365.

Sincerely,



Brian T. Hennessey
SRS Remedial Project Manager
Infrastructure and Area Completion Division

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Enclosures:

1. Revision 0 Appendix E, Long-Term Projections for Fiscal Year 2020 (Print Date: 10/30/2019)
2. Sixth Five-Year Remedy Review Report for SRS OUs with Geosynthetic or Stabilization / Solidification Cover Systems Implementation Schedule
3. Tally of Milestones for Fiscal Year 2021
4. Tally of Milestones for Fiscal Year 2022
5. Tally of Milestones for Fiscal Years 2020-2065
6. Area Completion Plan

cc w/o encl:

R. Campbell, EPA – Atlanta
R. H. Pope, EPA - Atlanta
D. Scaturo, SCDHEC-Columbia
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T. R. Fuss, SCDHEC – Aiken Environmental Affairs Office
G. O'Quinn, SCDHEC – Aiken Environmental Affairs Office
B. Cameron, SCDHEC – Aiken Environmental Affairs Office

cc w/encl:

D. Lloyd, EPA – Atlanta
J. Tufts, EPA – Atlanta
C. VanTrees, EPA – Atlanta

Enclosure 1

Revision 0 Appendix E, Long-Term Projections for Fiscal Year 2020
(Print Date: 10/30/2019)

Revision 0 Appendix E: Fiscal Year 2020 Long-Term Projections
E.1: Deliverable Commitment Dates and Milestone Commitment Dates for FY 2021

Deliverable or Milestone:	Milestone/ Submittal Date (MM/DD/YYYY)
Revision 0 Appendix C, RCRA/CERCLA Unit List, Appendix G, Site Evaluation Areas, and Appendix K, D&D Facilities for Fiscal Year 2021 Submittal	10/01/2020
SRS Unit Index Number(s): N/A	SEMS Number(s): N/A
Revision 0 Appendix H, RCRA Regulated Units for Fiscal Year 2021 Submittal	10/01/2020
SRS Unit Index Number(s): N/A	SEMS Number(s): N/A
D-Area Groundwater Operable Unit (D-Area Upgradient Sources) Revision 0 Resource Conservation and Recovery Act (RCRA) Facility Investigation / Remedial Investigation (RFI/RI) Report with Baseline Risk Assessment Submittal	10/08/2020
SRS Unit Index Number(s): 520	SEMS Number(s): 63
Lower Three Runs Integrator Operable Unit Revision 0 Record of Decision Remedial Alternative Selection Submittal	10/13/2020
SRS Unit Index Number(s): 505 110 312	SEMS Number(s): 35
Issue D-Area Ash Basin (488-1D) Second Record of Decision Remedial Alternative Selection in Support of D-Area Operable Unit	11/10/2020
SRS Unit Index Number(s): 238	SEMS Number(s): 63
Issue D-Area Ash Basin (488-2D) Second Record of Decision Remedial Alternative Selection in Support of D-Area Operable Unit	11/10/2020
SRS Unit Index Number(s): 272	SEMS Number(s): 63
Issue D-Area Ash Landfill (488-4D) Second Record of Decision Remedial Alternative Selection in Support of D-Area Operable Unit	11/10/2020
SRS Unit Index Number(s): 548	SEMS Number(s): 63
Issue D-Area Coal Pile Runoff Basin (489-D) Second Record of Decision Remedial Alternative Selection in Support of D-Area Operable Unit	11/10/2020
SRS Unit Index Number(s): 69	SEMS Number(s): 63
Revision 0 Appendix E for Fiscal Year 2021 (Commitments for Fiscal Years 2022 & 2023 and Projected ROD Issuance Dates for Fiscal Year 2024+) Submittal	11/15/2020
SRS Unit Index Number(s): N/A	SEMS Number(s): N/A
D-Area Ash Basin (488-1D) Revision 0 Second Land Use Control Implementation Plan in Support of D-Area Operable Unit Submittal	11/30/2020
SRS Unit Index Number(s): 238	SEMS Number(s): 63
D-Area Ash Basin (488-2D) Revision 0 Second Land Use Control Implementation Plan in Support of D-Area Operable Unit Submittal	11/30/2020
SRS Unit Index Number(s): 272	SEMS Number(s): 63

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RCRA: Resource Conservation and Recovery Act

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Revision 0 Appendix E: Fiscal Year 2020 Long-Term Projections
E.1: Deliverable Commitment Dates and Milestone Commitment Dates for FY 2021

Deliverable or Milestone:	Milestone/ Submittal Date (MM/DD/YYYY)
M-Area Settling Basin Inactive Process Sewers to Manhole 1 (081-M) Operable Unit (Including Southern Portions of 313-M Inactive Clay Process Sewer Line to Tims Branch [NBN] and Southern Portions of 320-M Inactive Clay Process Sewer Line from the Building Slab to Former Security Fence [NBN]) Performance Evaluation Report Submittal (Reference: WSRC-RP-2008-4029, Reports will be submitted annually)	04/02/2021
SRS Unit Index Number(s): 100 234	SEMS Number(s): 19
A-Area Burning/Rubble Pits (731-A, -1A), A-Area Rubble Pit (731-2A), and Miscellaneous Chemical Basin/Metals Burning Pit (731-4A, -5A) Operable Unit Performance Evaluation Report Submittal (Reference: WSRC-RP-2008-4071, Reports will be submitted annually)	05/31/2021
SRS Unit Index Number(s): 46 45 49 101 102 237	SEMS Number(s): 28
Chemicals, Metals, and Pesticides Pit (CMP Pits) (080-170G, -171G, -180G, -181G, -182G, -183G, and -190G) Operable Unit Annual Effectiveness Monitoring Report Submittal (Reference: WSRC-RP-2007-4070, Reports will be submitted annually)	06/17/2021
SRS Unit Index Number(s): 61 62 63 64 65 66 67	SEMS Number(s): 24
G-Area Oil Seepage Basin (761-13G) Operable Unit Revision 0 Post-Construction Report/Corrective Measures Implementation Report/Remedial Action Completion Report Submittal	06/22/2021
SRS Unit Index Number(s): 77	SEMS Number(s): 93
Issue Lower Three Runs Integrator Operable Unit Record of Decision Remedial Alternative Selection	06/22/2021
SRS Unit Index Number(s): 505 110 312	SEMS Number(s): 35
Building 690-N, Process Heat Exchanger Repair Facility (aka Ford Building) Revision 0 Decommissioning Project Final Report (Partial Decommissioning) Submittal	06/30/2021
SRS Unit Index Number(s): 1828	SEMS Number(s): 93
C-Area Burning/Rubble Pit (131-C) and Old C-Area Burning/Rubble Pit (NBN) Operable Unit Effectiveness Monitoring Report Submittal [WSRC-RP-2008-4051 and WSRC-RP-2008-4049, Reports to be submitted biennially (every 2 years).]	06/30/2021
SRS Unit Index Number(s): 51 566	SEMS Number(s): 31
K-Area Burning/Rubble Pit and Rubble Pile (131-K and 631-20G) (KBRP) and P-Area Burning/Rubble Pit (131-P) (PBRP) Operable Units Combined Groundwater Monitoring Report Submittal (Reference: ACP-08-133; combined sampling summary submitted annually beginning June 30, 2008, with detailed groundwater reports submitted every five years, beginning June 30, 2012. Report title updated in accordance with IACD-18-122, dated January 11, 2018.)	06/30/2021
SRS Unit Index Number(s): 84 88 108	SEMS Number(s): 40 59
R-Area Groundwater Operable Unit (NBN) Effectiveness Monitoring Report in Support of R Area Operable Unit Submittal (Reference: SRNS-RP-2010-01259, Reports will be submitted annually for the first five years [2013 through 2017]; after five years, reports will be submitted biennially, beginning June 30, 2019.)	06/30/2021
SRS Unit Index Number(s): 288	SEMS Number(s): 95

Savannah River Site (SRS) Unit Index Number is a unique identifier assigned to each individual RCRA/CERCLA Unit. This number is used by SRS for tracking and is not meant to imply a ranking or priority.

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

D&D: Deactivation & Decommissioning

NBN: No Building Number

RCRA: Resource Conservation and Recovery Act

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Revision 0 Appendix E: Fiscal Year 2020 Long-Term Projections
E.1: Deliverable Commitment Dates and Milestone Commitment Dates for FY 2021

Deliverable or Milestone:	Milestone/ Submittal Date (MM/DD/YYYY)
TNX Area Groundwater Operable Unit 2020 Comprehensive Groundwater Monitoring and Remedial Action Effectiveness Interim Report Submittal (Reference: WSRC-TR-95-284, Reports to be submitted annually.)	06/30/2021
SRS Unit Index Number(s): 25	SEMS Number(s): 21 29
D-Area Groundwater Operable Unit (D-Area Upgradient Sources) Revision 0 Corrective Measures Study/Feasibility Study Submittal	07/20/2021
SRS Unit Index Number(s): 520	SEMS Number(s): 63
D-Area Groundwater Operable Unit (D-Area Upgradient Sources) Groundwater Monitoring Report Submittal (Reference: WSRC-RP-2003-4150, Groundwater reports will be submitted in odd numbered years)	07/31/2021
SRS Unit Index Number(s): 520	SEMS Number(s): 63
D-Area Oil Seepage Basin (631-G) Groundwater Operable Unit Mixing Zone Letter Report Submittal (Reference: WSRC-RP-97-422, Letter reports will be submitted in odd numbered years)	07/31/2021
SRS Unit Index Number(s): 26	SEMS Number(s): 27
A-Area Miscellaneous Rubble Pile (731-6A) Operable Unit Performance Evaluation Report Submittal (Reference: WSRC-RP-2004-4088, Reports will be submitted annually)	08/01/2021
SRS Unit Index Number(s): 48	SEMS Number(s): 30
Lower Three Runs Integrator Operable Unit Revision 0 Land Use Control Implementation Plan Submittal	09/01/2021
SRS Unit Index Number(s): 505 110 312	SEMS Number(s): 35
Lower Three Runs Integrator Operable Unit Revision 0 Remedial Action Implementation Plan Submittal	09/01/2021
SRS Unit Index Number(s): 505 110 312	SEMS Number(s): 35
D-Area Ash Basin (488-1D) Remedial Action Start in Support of D-Area Operable Unit	09/03/2021
SRS Unit Index Number(s): 238	SEMS Number(s): 63
D-Area Ash Basin (488-2D) Remedial Action Start in Support of D-Area Operable Unit	09/03/2021
SRS Unit Index Number(s): 272	SEMS Number(s): 63
D-Area Ash Landfill (488-4D) Remedial Action Start in Support of D-Area Operable Unit	09/03/2021
SRS Unit Index Number(s): 548	SEMS Number(s): 63
D-Area Coal Pile Runoff Basin (489-D) Remedial Action Start in Support of D-Area Operable Unit	09/03/2021
SRS Unit Index Number(s): 69	SEMS Number(s): 63
Building 211-2F, Control and Check House Early Action RCRA Facility Investigation/Remedial Investigation (RFI/RI) Work Plan Submittal in Support of F-Area Operable Unit	09/30/2021
SRS Unit Index Number(s): 1275	SEMS Number(s): 88

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D&D: Deactivation & Decommissioning

NBN: No Building Number

RCRA: Resource Conservation and Recovery Act

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Revision 0 Appendix E: Fiscal Year 2020 Long-Term Projections
E.1: Deliverable Commitment Dates and Milestone Commitment Dates for FY 2021

Deliverable or Milestone:	Milestone/ Submittal Date (MM/DD/YYYY)
Building 211-3F, Waste Truck Unloading Station Early Action RCRA Facility Investigation/Remedial Investigation (RFI/RI) Work Plan Submittal in Support of F-Area Operable Unit SRS Unit Index Number(s): 1276 SEMS Number(s): 88	09/30/2021
Building 211-7F, Chemical Handling Facility Early Action RCRA Facility Investigation/Remedial Investigation (RFI/RI) Work Plan Submittal in Support of F-Area Operable Unit SRS Unit Index Number(s): 1277 SEMS Number(s): 88	09/30/2021
Building 211-F, Outside Facilities (Including 805 and 820 Tank Cells) Early Action RCRA Facility Investigation/Remedial Investigation (RFI/RI) Work Plan Submittal in Support of F-Area Operable Unit SRS Unit Index Number(s): 1279 SEMS Number(s): 88	09/30/2021
Building 222-F, Cold Feed Preparation Area Early Action RCRA Facility Investigation/Remedial Investigation (RFI/RI) Work Plan Submittal in Support of F-Area Operable Unit SRS Unit Index Number(s): 1293 SEMS Number(s): 88	09/30/2021
Building 246-F, Equipment Test Facility Early Action RCRA Facility Investigation/Remedial Investigation (RFI/RI) Work Plan Submittal in Support of F-Area Operable Unit SRS Unit Index Number(s): 1352 SEMS Number(s): 88	09/30/2021
Building 247-7F, EC Process Building Early Action RCRA Facility Investigation/Remedial Investigation (RFI/RI) Work Plan Submittal in Support of F-Area Operable Unit SRS Unit Index Number(s): 1355 SEMS Number(s): 88	09/30/2021
Building 247-8F, Compressed Gas Storage Building Early Action RCRA Facility Investigation/Remedial Investigation (RFI/RI) Work Plan Submittal in Support of F-Area Operable Unit SRS Unit Index Number(s): 1356 SEMS Number(s): 88	09/30/2021
Building 247-F, Manufacturing Building Early Action RCRA Facility Investigation/Remedial Investigation (RFI/RI) Work Plan Submittal in Support of F-Area Operable Unit SRS Unit Index Number(s): 1357 SEMS Number(s): 88	09/30/2021
Building 647-G, Warehouse Early Action RCRA Facility Investigation/Remedial Investigation (RFI/RI) Work Plan Submittal in Support of F-Area Operable Unit SRS Unit Index Number(s): 1480 SEMS Number(s): 88	09/30/2021
Building 707-2F, Regulated Shops Early Action RCRA Facility Investigation/Remedial Investigation (RFI/RI) Work Plan Submittal in Support of F-Area Operable Unit SRS Unit Index Number(s): 1412 SEMS Number(s): 88	09/30/2021
Building 723-F, Laundry Facility Early Action RCRA Facility Investigation/Remedial Investigation (RFI/RI) Work Plan Submittal in Support of F-Area Operable Unit SRS Unit Index Number(s): 1425 SEMS Number(s): 88	09/30/2021

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D&D: Deactivation & Decommissioning

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Revision 0 Appendix E: Fiscal Year 2020 Long-Term Projections
E.2: Deliverable Commitment Dates and Milestone Commitment Dates for FY 2022

Deliverable or Milestone:	Milestone/ Submittal Date (MM/DD/YYYY)
Revision 0 Appendix C, RCRA/CERCLA Unit List, Appendix G, Site Evaluation Areas, and Appendix K, D&D Facilities for Fiscal Year 2022 Submittal	10/01/2021
SRS Unit Index Number(s): N/A	SEMS Number(s): N/A
Revision 0 Appendix H, RCRA Regulated Units for Fiscal Year 2022 Submittal	10/01/2021
SRS Unit Index Number(s): N/A	SEMS Number(s): N/A
Early Construction and Operational Disposal Site (ECODS) N-1 (South of N Area) (NBN), Central Shops Scrap Lumber Pile (631-2G), and Building 690-N, Process Heat Exchanger Repair Facility (aka Ford Building) ¹ Operable Unit Revision 0 Resource Conservation and Recovery Act (RCRA) Facility Investigation/Remedial Investigation (RFI/RI) Report with Baseline Risk Assessment (BRA) and Corrective Measures Study/Feasibility Study (CMS/FS) Submittal	10/28/2021
SRS Unit Index Number(s): 525 244 1828	SEMS Number(s): 93
Revision 0 Appendix E for Fiscal Year 2022 (Commitments for Fiscal Years 2023 & 2024 and Projected ROD Issuance Dates for Fiscal Year 2025+) Submittal	11/15/2021
SRS Unit Index Number(s): N/A	SEMS Number(s): N/A
Issue Stormwater Outfall A-013 (NBN) Operable Unit Record of Decision Remedial Alternative Selection	11/29/2021
SRS Unit Index Number(s): 483	SEMS Number(s): 62
Administrative Record File Indices Annual Update for Fiscal Year 2021 Submittal	12/01/2021
SRS Unit Index Number(s): N/A	SEMS Number(s): N/A
Federal Facility Agreement Annual Progress Report for Fiscal Year 2021 (Including annual certification of Land Use Control Units) Submittal	12/01/2021
SRS Unit Index Number(s): N/A	SEMS Number(s): N/A
Revision 0 Sixth Five-Year Remedy Review Report for Savannah River Site Operable Units with Geosynthetic or Stabilization/Solidification Cover Systems Submittal	12/15/2021
SRS Unit Index Number(s): N/A	SEMS Number(s): 00
Removal Actions Performed in Fiscal Year 2021 Report Submittal	01/01/2022
SRS Unit Index Number(s): N/A	SEMS Number(s): N/A
Issue Sixth Five-Year Remedy Review Report for Savannah River Site Operable Units with Engineered Cover Systems	02/01/2022
SRS Unit Index Number(s): N/A	SEMS Number(s): 00

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D&D: Deactivation and Decommissioning

NBN: No Building Number

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SEMS: The U. S. Environmental Protection Agency's (EPA's) Superfund Enterprise Management System database.

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Revision 0 Appendix E: Fiscal Year 2020 Long-Term Projections
E.2: Deliverable Commitment Dates and Milestone Commitment Dates for FY 2022

Deliverable or Milestone:	Milestone/ Submittal Date (MM/DD/YYYY)
Early Construction and Operational Disposal Site (ECODS) L-3 (East of L Area) (NBN), L-Area Rubble Pit (131-1L), and L-Area Rubble Pit (131-4L) Operable Unit Revision 0 Resource Conservation and Recovery Act (RCRA) Facility Investigation/Remedial Investigation (RFI/RI) Work Plan Submittal	02/24/2022
SRS Unit Index Number(s): 537 98 99	SEMS Number(s): 93
New or Replacement Waste Tank System Components Annual Report Submittal (Including status of bulk waste & heel removal activities for F Area & H Area tanks, F Area & H Area Tank Farm Performance Assessments, F Area & H Area Tank Farm General Closure Plans, operational closure of groups of tanks in F & H Areas, & implementation of Section 3116(a) with respect to F Area & H Area tanks)	03/09/2022
SRS Unit Index Number(s): 283 298	SEMS Number(s): 23 89
D-Area Groundwater Operable Unit (D-Area Upgradient Sources) Revision 0 Statement of Basis/Proposed Plan Submittal	03/21/2022
SRS Unit Index Number(s): 520	SEMS Number(s): 63
M-Area Settling Basin Inactive Process Sewers to Manhole 1 (081-M) Operable Unit (Including Southern Portions of 313-M Inactive Clay Process Sewer Line to Tims Branch [NBN] and Southern Portions of 320-M Inactive Clay Process Sewer Line from the Building Slab to Former Security Fence [NBN]) Performance Evaluation Report Submittal (Reference: WSRC-RP-2008-4029, Reports will be submitted annually)	04/02/2022
SRS Unit Index Number(s): 100 234	SEMS Number(s): 19
D-Area Ash Landfill (488-1D) Revision 0 Second Post-Construction Report Submittal in Support of D-Area Operable Unit Submittal	05/09/2022
SRS Unit Index Number(s): 238	SEMS Number(s): 63
D-Area Ash Landfill (488-2D) Revision 0 Second Post-Construction Report Submittal in Support of D-Area Operable Unit Submittal	05/09/2022
SRS Unit Index Number(s): 272	SEMS Number(s): 63
D-Area Ash Landfill (488-4D) Revision 0 Second Post-Construction Report Submittal in Support of D-Area Operable Unit Submittal	05/09/2022
SRS Unit Index Number(s): 548	SEMS Number(s): 63
D-Area Coal Pile Runoff Basin (489-D) Revision 0 Second Post-Construction Report Submittal in Support of D-Area Operable Unit Submittal	05/09/2022
SRS Unit Index Number(s): 69	SEMS Number(s): 63

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Revision 0 Appendix E: Fiscal Year 2020 Long-Term Projections
E.2: Deliverable Commitment Dates and Milestone Commitment Dates for FY 2022

Deliverable or Milestone:	Milestone/ Submittal Date (MM/DD/YYYY)
A-Area Burning/Rubble Pits (731-A, -1A), A-Area Rubble Pit (731-2A), and Miscellaneous Chemical Basin/Metals Burning Pit (731-4A, -5A) Operable Unit Performance Evaluation Report Submittal (Reference: WSRC-RP-2008-4071, Reports will be submitted annually)	05/31/2022
SRS Unit Index Number(s): 46 45 49 101 102 237 SEMS Number(s): 28	
Chemicals, Metals, and Pesticides Pits (CMP Pits) (080-170G, -171G, -180G, -181G, -182G, -183G, and -190G) Operable Unit Annual Effectiveness Monitoring Report Submittal (Reference: WSRC-RP-2007-4070, Reports will be submitted annually)	06/17/2022
SRS Unit Index Number(s): 61 62 63 64 65 66 67 SEMS Number(s): 24	
K-Area Burning/Rubble Pit and Rubble Pile (131-K and 631-20G) (KBRP) and P-Area Burning/Rubble Pit (131-P) (PBRP) Operable Units Combined Groundwater Monitoring Report Submittal (Reference: ACP-08-133; combined sampling summary submitted annually beginning June 30, 2008, with detailed groundwater reports submitted every five years, beginning June 30, 2012. Report titled updated in accordance with IACD-18-122, dated January 11, 2018.)	06/30/2022
SRS Unit Index Number(s): 84 88 108 SEMS Number(s): 40 59	
L-Area Southern Groundwater (NBN) Operable Unit Effectiveness Monitoring Report Submittal [Reference: SRNS-RP-2012-00857; after 2012, sampling results will be presented in 4-year effectiveness monitoring reports (EMRs) (e.g., 2012, 2016, 2020, etc.) with a 2-year data summary in letter format (e.g., 2014, 2018, 2022, etc.) in between the 4-year EMRs until the maximum contaminant levels have been attained for the L-Area Southern Groundwater monitored natural attenuation remedy. The L-Area Oil and Chemical Basin and L-Area Reactor Seepage Basin monitoring results will reported in the EMR or data summary following each 5-year sampling event.]	06/30/2022
SRS Unit Index Number(s): 487 SEMS Number(s): 77	
R-Area Reactor Seepage Basins (904-57G, -58G, -59G, -60G, -103G, and -104G) and 108-4R Overflow Basin (108-4R) Groundwater Operable Unit Mixing Zone Report Submittal [Reference: SRNS-RP-2012-00349, Effective June 30, 2014, reports to be submitted every 4 years (e.g., 2014, 2018, 2022, etc.) with a letter report submitted 2 years after the full report (e.g., 2016, 2020, 2024, etc.).]	06/30/2022
SRS Unit Index Number(s): 121 122 123 124 119 120 42 SEMS Number(s): 25	
TNX Area Groundwater Operable Unit 2021 Comprehensive Groundwater Monitoring and Remedial Action Effectiveness Interim Report Submittal (Reference: WSRC-TR-95-284, Reports to be submitted annually.)	06/30/2022
SRS Unit Index Number(s): 25 SEMS Number(s): 21 29	
D-Area Groundwater Operable Unit (D-Area Upgradient Sources) Groundwater Letter Report Submittal (Reference: WSRC-RP-2003-4150, Letter reports will be submitted in even numbered years)	07/31/2022
SRS Unit Index Number(s): 520 SEMS Number(s): 63	

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Revision 0 Appendix E: Fiscal Year 2020 Long-Term Projections
E.2: Deliverable Commitment Dates and Milestone Commitment Dates for FY 2022

Deliverable or Milestone:	Milestone/ Submittal Date (MM/DD/YYYY)
D-Area Oil Seepage Basin (631-G) Groundwater Operable Unit Mixing Zone Report Submittal (Reference: WSRC-RP-97-422, Groundwater reports will be submitted in even numbered years)	07/31/2022
SRS Unit Index Number(s): 26	SEMS Number(s): 27
A-Area Miscellaneous Rubble Pile (731-6A) Operable Unit Performance Evaluation Report Submittal (Reference: WSRC-RP-2004-4088, Reports will be submitted annually)	08/01/2022
SRS Unit Index Number(s): 48	SEMS Number(s): 30
Early Construction and Operational Disposal Site (ECODS) N-1 (South of N Area) (NBN), Central Shops Scrap Lumber Pile (631-2G), and Building 690-N, Process Heat Exchanger Repair Facility (aka Ford Building) ¹ Operable Unit Revision 0 Statement of Basis/Proposed Plan Submittal	08/03/2022
SRS Unit Index Number(s): 525 244 1828	SEMS Number(s): 93
Lower Three Runs Integrator Operable Unit Remedial Action Start	09/19/2022
SRS Unit Index Number(s): 505 110 312	SEMS Number(s): 35
Building 211-2F, Control and Check House Early Action RCRA Facility Investigation/Remedial Investigation (RFI/RI) Field Start in Support of F-Area Operable Unit	09/30/2022
SRS Unit Index Number(s): 1275	SEMS Number(s): 88
Building 211-3F, Waste Truck Unloading Station Early Action RCRA Facility Investigation/Remedial Investigation (RFI/RI) Field Start in Support of F-Area Operable Unit	09/30/2022
SRS Unit Index Number(s): 1276	SEMS Number(s): 88
Building 211-7F, Chemical Handling Facility Early Action RCRA Facility Investigation/Remedial Investigation (RFI/RI) Field Start in Support of F-Area Operable Unit	09/30/2022
SRS Unit Index Number(s): 1277	SEMS Number(s): 88
Building 211-F, Outside Facilities (Including the 805 and 820 Tank Cells) Early Action RCRA Facility Investigation/Remedial Investigation (RFI/RI) Field Start in Support of F-Area Operable Unit	09/30/2022
SRS Unit Index Number(s): 1279	SEMS Number(s): 88
Building 222-F, Cold Feed Preparation Area Early Action RCRA Facility Investigation/Remedial Investigation (RFI/RI) Field Start in Support of F-Area Operable Unit	09/30/2022
SRS Unit Index Number(s): 1293	SEMS Number(s): 88
Building 246-F, Equipment Test Facility Early Action RCRA Facility Investigation/Remedial Investigation (RFI/RI) Field Start in Support of F-Area Operable Unit	09/30/2022
SRS Unit Index Number(s): 1352	SEMS Number(s): 88

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Revision 0 Appendix E: Fiscal Year 2020 Long-Term Projections
E.3: Field Start, ROD Issuance and RA Start Dates (including Fiscal Year 2023+)
Sorted in order of Watershed, Category, and Unit Name

Watershed

**Category (Integrator Operable Unit, Units and D&D Facilities (or Remnants)
Assigned to an Area Operable Unit, RCRA/CERCLA Units or FFA Facility Closures,
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**Area Operable Unit or Integrator Operable Unit Name
Unit Name**

**Site
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or
Tank Dates**

Fourmile Branch Watershed

High Level Radioactive Waste Tanks

Complete Operational Closure of FDB-5 and FDB-6 Diversion Boxes

DEC 2022

SRS Index Number(s): 283 580 1307 1308

SEMS Number(s): 23

Integrator Operable Unit

Fourmile Branch Integrator Operable Unit (Including the Un-Named Tributary of Fourmile Branch
South of C Area [NBN])

AUG 2001

SEP 2064

JAN 2065

Phase III Field Start

MAY 2059

Periodic Report on the Bioassessment of Savannah River Site Streams¹²

SEP 2025

Periodic Report on the Bioassessment of Savannah River Site Streams¹²

SEP 2032

Periodic Report on the Bioassessment of Savannah River Site Streams¹²

SEP 2039

Periodic Report on the Bioassessment of Savannah River Site Streams¹²

SEP 2046

Periodic Report on the Bioassessment of Savannah River Site Streams¹²

SEP 2053

SRS Index Number(s): 504

SEMS Number(s): 84

RCRA/CERCLA Units

C-Area Groundwater Operable Unit (NBN) (including Building 108-3C, Fuel Unloading
Facilities Power - Area Supv ¹)

MAR 2002

APR 2027

JUL 2028

SRS Index Number(s): 146 2237

SEMS Number(s): 82

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**RA Start
or
Tank Dates**

Central Shops Groundwater Operable Unit (NBN)

DEC 2058 MAR 2062 JUN 2063

SRS Index Number(s): 567
SEMS Number(s): 98

ECODS N-1 (South of N Area) (NBN), Central Shops Scrap Lumber Pile (631-2G), and
Building 690-N, Process Heat Exchanger Repair Facility (aka Ford Building) ¹ Operable Unit

SEP 2020 DEC 2023 DEC 2024

SRS Index Number(s): 525 244 1828
SEMS Number(s): 93

Sandblast Area CMH-002 (NBN) and Spill on 02/01/57 of Unknown of Seepage Basin Pipe
Leak from 904-44G (NBN) Operable Unit

SEP 2024 SEP 2027 DEC 2028

SRS Index Number(s): 346 225
SEMS Number(s): 61

Site Evaluation Areas

H-Area Ash Basin (288-H)

DEC 2034

SRS Index Number(s): 292
SEMS Number(s): NA

Units and D&D Facilities (or Remnants) Assigned to an Area Operable Unit

C Area Operable Unit ^{6,9}
SRS Index Number: 577
SEMS Number: 79

SEP 2011 AUG 2044 NOV 2045

Building 106-C, Process Water Storage Tank¹

SRS Index Number(s): 2232
SEMS Number(s): 79

Building 107-C, Cooling Water Effluent Sump¹

SRS Index Number(s): 1178
SEMS Number(s): 79

Building 109-C, Storage Basin¹

SRS Index Number(s): 2233
SEMS Number(s): 79

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Building 710-C, Pre-Manufactured Metal Shelter

SRS Index Number(s): 2256
SEMS Number(s): 79

Building 717-C, Contaminated Maintenance Facility

SRS Index Number(s): 1201
SEMS Number(s): 79

Building 904-89G, Retention Basin for 100-C Containment¹

SRS Index Number(s): 2240
SEMS Number(s): 79

C Area Operable Unit Final Action

AUG 2044 NOV 2045

SRS Index Number(s): 577
SEMS Number(s): 79

C-Area Process Sewer Lines as Abandoned (NBN)

SRS Index Number(s): 555
SEMS Number(s): 79

C-Area Reactor Area Cask Car Railroad Tracks as Abandoned (NBN)

SRS Index Number(s): 475
SEMS Number(s): 79

C-Area Reactor Discharge Canal (NBN)

SEP 2011 AUG 2044 NOV 2045

SRS Index Number(s): 511
SEMS Number(s): 79

Containment Tank C803-7-1 (NBN)

SRS Index Number(s): 2255
SEMS Number(s): 79

ECODS C-1 (Near C-Area Reactor Discharge Canal) (NBN)

SRS Index Number(s): 522
SEMS Number(s): 79

Potential Release from C-Area Disassembly Basin (NBN)

SRS Index Number(s): 240
SEMS Number(s): 79

Potential Release from C-Area Reactor Cooling Water System (186/190-C)

SRS Index Number(s): 242
SEMS Number(s): 79

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Tank Dates**

F Area Operable Unit ⁷ SRS Index Number: 579 SEMS Number: 88	SEP 2035	SEP 2039	DEC 2040
Building 211-2F, Control and Check House (Early Action) SRS Index Number(s): 1275 SEMS Number(s): 88	SEP 2022	OCT 2026	JAN 2028
Building 211-3F, Waste Truck Unloading Station (Early Action) SRS Index Number(s): 1276 SEMS Number(s): 88	SEP 2022	OCT 2026	JAN 2028
Building 211-7F, Chemical Handling Facility (Early Action) SRS Index Number(s): 1277 SEMS Number(s): 88	SEP 2022	OCT 2026	JAN 2028
Building 211-F, Outside Facilities (Including the 805 and 820 Tank Cells) (Early Action) SRS Index Number(s): 1279 SEMS Number(s): 88	SEP 2022	OCT 2026	JAN 2028
Building 222-F, Cold Feed Preparation Area (Early Action) SRS Index Number(s): 1293 SEMS Number(s): 88	SEP 2022	OCT 2026	JAN 2028
Building 246-F, Equipment Test Facility (Early Action) SRS Index Number(s): 1352 SEMS Number(s): 88	SEP 2022	OCT 2026	JAN 2028
Building 247-7F, EC Process Building (Early Action) SRS Index Number(s): 1355 SEMS Number(s): 88	SEP 2022	OCT 2026	JAN 2028
Building 247-8F, Compressed Gas Storage Building (Early Action) SRS Index Number(s): 1356 SEMS Number(s): 88	SEP 2022	OCT 2026	JAN 2028
Building 247-F, Manufacturing Building (Early Action) SRS Index Number(s): 1357 SEMS Number(s): 88	SEP 2022	OCT 2026	JAN 2028
Building 647-G, Warehouse (Early Action) SRS Index Number(s): 1480 SEMS Number(s): 88	SEP 2022	OCT 2026	JAN 2028

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Building 707-2F, Regulated Shops (Early Action)

SEP 2022 OCT 2026 JAN 2028

SRS Index Number(s): 1412
SEMS Number(s): 88

Building 723-F, Laundry Facility (Early Action)

SEP 2022 OCT 2026 JAN 2028

SRS Index Number(s): 1425
SEMS Number(s): 88

Building 728-F, Uranium Oxide Storage Building (Early Action)

SEP 2022 OCT 2026 JAN 2028

SRS Index Number(s): 1426
SEMS Number(s): 88

Building 730-F, Uranium Oxide Storage Building (Early Action)

SEP 2022 OCT 2026 JAN 2028

SRS Index Number(s): 1428
SEMS Number(s): 88

Combined Spills from 221-F (NBN) (Final Action)

SEP 2035 SEP 2039 DEC 2040

SRS Index Number(s): 485
SEMS Number(s): 88

F-Area Inactive Process Sewer Lines from Building to the Security Fence (081-1F) (Final Action)

SEP 2035 SEP 2039 DEC 2040

SRS Index Number(s): 141
SEMS Number(s): 88

F-Area Process Sewer Lines as Abandoned (NBN) (Final Action)

SEP 2035 SEP 2039 DEC 2040

SRS Index Number(s): 563
SEMS Number(s): 88

Low Level Radioactive Drain Lines from F-Area Laboratory and
F-Area Laboratory High Activity Tanks C and D (772-F and -1F) (Final Action)

SEP 2035 SEP 2039 DEC 2040

SRS Index Number(s): 308
SEMS Number(s): 88

Sandblast Area CMF-001 (NBN) (Final Action)

SEP 2035 SEP 2039 DEC 2040

SRS Index Number(s): 343
SEMS Number(s): 88

Spill on 02/25/85 of 20000 CM of Water Vapor - Rad (NBN) (Final Action)

SEP 2035 SEP 2039 DEC 2040

SRS Index Number(s): 394
SEMS Number(s): 88

Spill on 04/24/91 of .11 Ci of Pu-239 (NBN) and Spill on 05/26/88 of 10 Gallons of Ethylene
Glycol-Rad from F-Area Laboratory (NBN) (Final Action)

SEP 2035 SEP 2039 DEC 2040

SRS Index Number(s): 414 429
SEMS Number(s): 88

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**Area Operable Unit or Integrator Operable Unit Name
Unit Name**

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Spill on 06/01/59 of <1 CI of Segregated Solvent from 211-F (NBN) (Final Action)

SEP 2022 SEP 2039 DEC 2040

SRS Index Number(s): 435
SEMS Number(s): 88

F Tank Farm Area Operable Unit

FEB 2036 JAN 2040 APR 2041

SRS Index Number: 580
SEMS Number: 23

F-Area Retention Basin (281-8F)

FEB 2036 JAN 2040 APR 2041

SRS Index Number(s): 280
SEMS Number(s): 23

F-Area Tank Farm, 241-F (including Combined Spills from 242-F, NBN; Spill on 10/01/71 of 100 ft² of Flush Water-Rad, NBN; Spill on 06/26/75 of 250 ft³ of Rad Contaminated Soil, NBN; F-Area Tank Farm, 241-F [F-Area Tank Farm Groundwater Operable Unit; Spill on 05/01/57 of 125 ft² of Rad Liquid from Solvent Trailer (WMF-008) (formerly Index No. 200); Flush of Feed Pump to 242-F Spill Water in the Ground, 04/01/66 (WMF-017); Tank 19 Contaminated Area (WMF-001 & -002); 242-F Contaminated Area (WMF-003); Tank 7 Contaminated Area (WMF-004); Tank 8 Contaminated Area (WMF-005)]; Spill on 01/19/83 of 1000 ft² of Radioactive Spill, NBN; Spill on 04/14/81 of 3 gal of Contaminated Flush Water-Rad, NBN; Spill on 05/30/78 of Unknown of Sump Overflow, NBN; Spill on 10/16/81 of 30 gal of Low Level Waste from Trailer, NBN; Spill on 06/06/79 of <1 gal of Contaminated Liquid, NBN; Spill on 03/01/66 of 500 ft² of Flush Water-Rad, NBN; Spill on 04/57 of Rad Liquid from Solvent Trailer, NBN; Spill on 05/28/81 of 9000 gal Chromated Water, NBN)

FEB 2036 JAN 2040 APR 2041

SRS Index Number(s): 263 283 376 381 399 431
SEMS Number(s): 23

H Area Operable Unit

SEP 2037 JAN 2042 APR 2043

SRS Index Number: 581
SEMS Number: 61

Building 230-H, Demonstration Waste Incinerator (Beta-Gamma Incinerator)

SEP 2037 JAN 2042 APR 2043

SRS Index Number(s): 1555
SEMS Number(s): 61

Building 261-H, Consolidated Incineration Facility (CIF) (Hazardous Waste Incinerator)

SEP 2037 JAN 2042 APR 2043

SRS Index Number(s): 1666
SEMS Number(s): 61

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Area Operable Unit or Integrator Operable Unit Name

Unit Name

**Site
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**RA Start
or
Tank Dates**

Building 782-1H, Pump House¹

SEP 2037 JAN 2042 APR 2043

SRS Index Number(s): 1727

SEMS Number(s): 61

Combined Spills from 211-H (NBN)

SEP 2037 JAN 2042 APR 2043

SRS Index Number(s): 260

SEMS Number(s): 61

Combined Spills from 241-84H (NBN)

SEP 2037 JAN 2042 APR 2043

SRS Index Number(s): 261

SEMS Number(s): 61

Combined Spills from H-Canyon (NBN)

SEP 2037 JAN 2042 APR 2043

SRS Index Number(s): 512

SEMS Number(s): 61

Ditch to Outfall H-012 (Tributary to Fourmile Creek) (NBN)

SEP 2037 JAN 2042 APR 2043

SRS Index Number(s): 274

SEMS Number(s): 61

ECODS H-1 (West of H-Area Facilities) (NBN)

SEP 2037 JAN 2042 APR 2043

SRS Index Number(s): 531

SEMS Number(s): 61

H-Area Coal Pile Runoff Basin (289-H)

SEP 2037 JAN 2042 APR 2043

SRS Index Number(s): 79

SEMS Number(s): 61

H-Area Inactive Process Sewer Lines from Building to Manhole P-44 (081-H)

SEP 2037 JAN 2042 APR 2043

SRS Index Number(s): 142

SEMS Number(s): 61

H-Area Process Sewer Lines as Abandoned (NBN)

SEP 2037 JAN 2042 APR 2043

SRS Index Number(s): 591

SEMS Number(s): 61

H-Area Retention Basins and H-Area Retention Basin (Including the Former 281-7H Basin),
(281-1H, -2H and -8H)

SEP 2037 JAN 2042 APR 2043

SRS Index Number(s): 294 295 293

SEMS Number(s): 61

Sandblast Area CMH-001 (NBN)

SEP 2037 JAN 2042 APR 2043

SRS Index Number(s): 344

SEMS Number(s): 61

Revision 0 Appendix E: Fiscal Year 2020 Long-Term Projections
E.3: Field Start, ROD Issuance and RA Start Dates (including Fiscal Year 2023+)
Sorted in order of Watershed, Category, and Unit Name

Watershed

**Category (Integrator Operable Unit, Units and D&D Facilities (or Remnants)
Assigned to an Area Operable Unit, RCRA/CERCLA Units or FFA Facility Closures,
or Site Evaluation Areas)**

**Area Operable Unit or Integrator Operable Unit Name
Unit Name**

**Site
Evaluation
Report
Submittal
Date
or
Field Start** **ROD
Issuance** **RA Start
or
Tank Dates**

Spill on 01/12/87 of <100 Gm of Mercury North of 211-H (NBN)

SEP 2037 JAN 2042 APR 2043

SRS Index Number(s): 374
SEMS Number(s): 61

Spill on 02/01/83 of 50 Gal of Oil - Rad (NBN)

SEP 2037 JAN 2042 APR 2043

SRS Index Number(s): 391
SEMS Number(s): 61

Spill on 10/07/85 of 20,000 Gallons of Contaminated Water from 244-H (NBN)

SEP 2037 JAN 2042 APR 2043

SRS Index Number(s): 332
SEMS Number(s): 61

H Tank Farm Area Operable Unit

SRS Index Number: 582
SEMS Number: 89

AUG 2039 FEB 2045 MAY 2046

H-Area Tank Farm, 241-H (including H-Area Tank Farm, 241-H [H Tank Farm Groundwater Operable Unit; Tank 37 Steam Line Contamination Area, Tank 37 to HDB-6 Capped Transfer Line, Concentrate Transfer System Contamination Area, 242-H Evaporator Contamination Area, Rock Bank Contamination Area, Diversion Box 5 Contamination Area, Tanks 9-12 Contamination Area, Tanks 13-16 Contamination Area, Pump Pits 5 and 6 Contamination Area]; Combined Spills from 241-H, NBN [Spill on 12/29/83 Piping Leak Top of Tank 13, Spill on 09/13/91 of Chromated Water from Underground Line, Spill on 01/06/81 of 10 gal Water from Cesium Removal Column]; Combined Spills from 242-H, NBN [Spill on 06/14/82 of 600 -800 gal from Evaporator, Spill on 07/14/82 of 600-800 gal from Evaporator Overhead, Spill from Tank 13 Leak Detection Box, Spill on 02/01/69 of Unknown Waste Tank Spill]; Diversion Box Rad from 907-1H, NBN; Spill on 01/19/80 of Unknown of Chromated Water from H-Area Pump House, NBN; Spill on 11/10/81 of 500 gal Chromated Water from 243-H, NBN; Spill on 04/18/80 of Unknown of Chromated Water from Valve House 3, NBN; Spill on 03/28/87 of <15,000 gal Chromated Water from 241-24H, NBN; Spill on 05/02/85 of 10 gal of Cooling Water from Tank Farm, NBN)

AUG 2039 FEB 2045 MAY 2046

SRS Index Number(s): 298 262 264 275 375 403
SEMS Number(s): 89

N Area Operable Unit ⁷

SRS Index Number: 586
SEMS Number: 93

DEC 2033 MAR 2061 JUN 2062

Building 711-3N, Pipe Warehouse

DEC 2033 MAR 2037 JUN 2038

SRS Index Number(s): 1850
SEMS Number(s): 93

Revision 0 Appendix E: Fiscal Year 2020 Long-Term Projections
E.3: Field Start, ROD Issuance and RA Start Dates (including Fiscal Year 2023+)
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Watershed

**Category (Integrator Operable Unit, Units and D&D Facilities (or Remnants)
Assigned to an Area Operable Unit, RCRA/CERCLA Units or FFA Facility Closures,
or Site Evaluation Areas)**

**Area Operable Unit or Integrator Operable Unit Name
Unit Name**

**Site
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Field Start** **ROD
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or
Tank Dates**

Building 714-6N, Miscellaneous Storage (SYLCOR)

DEC 2033 MAR 2037 JUN 2038

SRS Index Number(s): 1861
SEMS Number(s): 93

Building 717-11N, Electrical Lineman's Office/Warehouse

DEC 2033 MAR 2037 JUN 2038

SRS Index Number(s): 1869
SEMS Number(s): 93

Building 717-12N, Construction Sort Building

DEC 2033 MAR 2037 JUN 2038

SRS Index Number(s): 1870
SEMS Number(s): 93

Engineered Drainage Ditch Northeast of the Heavy Equipment Maintenance Area (NBN)

DEC 2033 MAR 2037 JUN 2038

SRS Index Number(s): 574
SEMS Number(s): 93

Heavy Equipment Maintenance Area Miscellaneous Units (Consisting of Heavy Equipment Wash Areas #1, #2, and #3, Pickling Building, Drum Storage Area, Spray Irrigation Field, Outfall N-01, and Outfall N-02) (NBN)

DEC 2033 MAR 2037 JUN 2038

SRS Index Number(s): 573
SEMS Number(s): 93

N-Area Operable Unit Final Action

MAR 2061 JUN 2062

SRS Index Number(s): 586
SEMS Number(s): 93

N-Area Process Sewer Lines as Abandoned (NBN)

DEC 2033 MAR 2037 JUN 2038

SRS Index Number(s): 565
SEMS Number(s): 93

New Salvage Yard (741-G)

DEC 2033 MAR 2037 JUN 2038

SRS Index Number(s): 311
SEMS Number(s): 93

Sandblast Area CMN-001 (NBN)

DEC 2033 MAR 2037 JUN 2038

SRS Index Number(s): 354
SEMS Number(s): 93

Revision 0 Appendix E: Fiscal Year 2020 Long-Term Projections
E.3: Field Start, ROD Issuance and RA Start Dates (including Fiscal Year 2023+)
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Watershed

**Category (Integrator Operable Unit, Units and D&D Facilities (or Remnants)
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**Area Operable Unit or Integrator Operable Unit Name
Unit Name**

**Site
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**ROD
Issuance**

**RA Start
or
Tank Dates**

Lower Three Runs Watershed

Integrator Operable Unit

Lower Three Runs Integrator Operable Unit

MAR 2003 JUN 2021 SEP 2022

PAR Pond (685-G) (Including the Pre-Cooler Ponds and Canals) (NBN), P-Area Reactor Discharge Canal to PAR Pond (Including Pre-Cooler Ponds) (NBN), and Old R-Area Discharge Canal (NBN) (also known as Joyce Branch)

SRS Index Number(s): 505 110 312

SEMS Number(s): 35

Revision 0 Appendix E: Fiscal Year 2020 Long-Term Projections
E.3: Field Start, ROD Issuance and RA Start Dates (including Fiscal Year 2023+)
Sorted in order of Watershed, Category, and Unit Name

Watershed	Site Evaluation Report Submittal Date or Field Start	ROD Issuance	RA Start or Tank Dates
Category (Integrator Operable Unit, Units and D&D Facilities (or Remnants) Assigned to an Area Operable Unit, RCRA/CERCLA Units or FFA Facility Closures, or Site Evaluation Areas)			
Area Operable Unit or Integrator Operable Unit Name Unit Name			
Pen Branch Watershed			
Integrator Operable Unit			
Pen Branch Integrator Operable Unit (Including Indian Grave Branch [NBN]) ¹²	OCT 2002	SEP 2049	DEC 2049
Phase III Field Start	JUN 2043		
K-Area Reactor Discharge Canal (NBN)			
SRS Index Number(s): 506 460			
SEMS Number(s): 74			
RCRA/CERCLA Units			
K-Area Ash Basin Operable Unit (188-0K)	SEP 2024	SEP 2027	DEC 2028
SRS Index Number(s): 300			
SEMS Number(s): 90			
K-Area Groundwater Operable Unit (Including K-Area Tritium Anomaly) (NBN)	SEP 2042	MAR 2048	JUN 2049
SRS Index Number(s): 519			
SEMS Number(s): 99			
Units and D&D Facilities (or Remnants) Assigned to an Area Operable Unit			
K Area Operable Unit ⁷	SEP 2034	SEP 2047	DEC 2048
SRS Index Number: 583			
SEMS Number: 90			
Building 901-1K, Polyphosphate Unloading and Storage Facility	SEP 2034	OCT 2039	JAN 2041
SRS Index Number(s): 1762			
SEMS Number(s): 90			
Combined Spills from K-Area Complex, 106-K and 109-K (NBN)	SEP 2034	OCT 2039	JAN 2041
SRS Index Number(s): 514			
SEMS Number(s): 90			

Revision 0 Appendix E: Fiscal Year 2020 Long-Term Projections
E.3: Field Start, ROD Issuance and RA Start Dates (including Fiscal Year 2023+)
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Watershed

**Category (Integrator Operable Unit, Units and D&D Facilities (or Remnants)
Assigned to an Area Operable Unit, RCRA/CERCLA Units or FFA Facility Closures,
or Site Evaluation Areas)**

**Site
Evaluation
Report
Submittal
Date
or
Field Start**

**ROD
Issuance**

**RA Start
or
Tank Dates**

**Area Operable Unit or Integrator Operable Unit Name
Unit Name**

K-Area Operable Unit Final Action SRS Index Number(s): 583 SEMS Number(s): 90		SEP 2047	DEC 2048
K-Area Process Sewer Lines as Abandoned (NBN) SRS Index Number(s): 572 SEMS Number(s): 90	SEP 2034	OCT 2039	JAN 2041
K-Area Reactor Area Cask Car Railroad Tracks as Abandoned (NBN) SRS Index Number(s): 476 SEMS Number(s): 90	SEP 2034	OCT 2039	JAN 2041
Potential Release from K-Area Disassembly Basin (NBN) SRS Index Number(s): 301 SEMS Number(s): 90	SEP 2034	OCT 2039	JAN 2041
Potential Release from K-Area Reactor Cooling Water System (186/190-K) SRS Index Number(s): 302 SEMS Number(s): 90	SEP 2034	OCT 2039	JAN 2041

Revision 0 Appendix E: Fiscal Year 2020 Long-Term Projections
E.3: Field Start, ROD Issuance and RA Start Dates (including Fiscal Year 2023+)
Sorted in order of Watershed, Category, and Unit Name

Watershed	Site Evaluation Report Submittal Date or Field Start	ROD Issuance	RA Start or Tank Dates
Savannah River Floodplain Swamp Watershed			
Integrator Operable Unit			
Savannah River and Floodplain Swamp Integrator Operable Unit (Including Beaver Dam Creek [NBN], D-Area Effluent Discharge Canal [NBN], and Ash Area Adjacent to and Easterly of D-Area Ash Basins 488-1D and 488-2D [NBN]) ^{10, 12}	MAY 2001	JUN 2064	SEP 2065
Phase III Field Start	DEC 2059		
D-Area Ash Basin Wetlands (NBN) and D-006 Petroleum Release Site (NBN)			
SRS Index Number(s): 508 569 570			
SEMS Number(s): 69			
RCRA/CERCLA Units			
D-Area Groundwater Operable Unit (D-Area Upgradient Sources) (NBN) ¹¹	JUN 2020	JUN 2023	SEP 2024
SRS Index Number(s): 520			
SEMS Number(s): 63			
Units and D&D Facilities (or Remnants) Assigned to an Area Operable Unit			
D Area Operable Unit ^{3, 8}	SEP 2008	JAN 2046	APR 2047
SRS Index Number: 578			
SEMS Number: 63			
Building 420-2D, Rework Handling Facility			
SRS Index Number(s): 1212			
SEMS Number(s): 63			
Building 420-D, Concentrator Building			
SRS Index Number(s): 1214			
SEMS Number(s): 63			

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E.3: Field Start, ROD Issuance and RA Start Dates (including Fiscal Year 2023+)
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Watershed

**Category (Integrator Operable Unit, Units and D&D Facilities (or Remnants)
Assigned to an Area Operable Unit, RCRA/CERCLA Units or FFA Facility Closures,
or Site Evaluation Areas)**

**Area Operable Unit or Integrator Operable Unit Name
Unit Name**

**Site
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Report
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Date
or
Field Start**

**ROD
Issuance**

**RA Start
or
Tank Dates**

Building 421-2D, Moderator Handling and Storage

SRS Index Number(s): 1215
SEMS Number(s): 63

Building 421-D, Finishing Building

SRS Index Number(s): 1218
SEMS Number(s): 63

Building 772-D, Control Laboratory and Supervisor's Office

SRS Index Number(s): 1250
SEMS Number(s): 63

Combined Spills from 483-D and Associated Areas (NBN)

SEP 2008 JAN 2046 APR 2047

SRS Index Number(s): 265
SEMS Number(s): 63

D-Area Asbestos Pit (080-20G)

SRS Index Number(s): 211
SEMS Number(s): 63

D-Area Ash Basin (488-1D) ²

NOV 2020 SEP 2021

SRS Index Number(s): 238
SEMS Number(s): 63

D-Area Ash Basin (488-2D) ²

NOV 2020 SEP 2021

SRS Index Number(s): 272
SEMS Number(s): 63

D-Area Ash Landfill (488-4D) ²

NOV 2020 SEP 2021

SRS Index Number(s): 548
SEMS Number(s): 63

D-Area Coal Pile Runoff Basin (489-D) ²

SEP 2008 NOV 2020 SEP 2021

SRS Index Number(s): 69
SEMS Number(s): 63

D-Area Operable Unit Final Action

JAN 2046 APR 2047

SRS Index Number(s): 578
SEMS Number(s): 63

D-Area Process Sewer Lines as Abandoned (NBN)

SEP 2008 JAN 2046 APR 2047

SRS Index Number(s): 558
SEMS Number(s): 63

D-Area Waste Oil Facility (484-10D) ⁴

SEP 2008 JAN 2046 APR 2047

SRS Index Number(s): 70
SEMS Number(s): 63

Revision 0 Appendix E: Fiscal Year 2020 Long-Term Projections
E.3: Field Start, ROD Issuance and RA Start Dates (including Fiscal Year 2023+)
Sorted in order of Watershed, Category, and Unit Name

Watershed	Site Evaluation Report Submittal Date or Field Start	ROD Issuance	RA Start or Tank Dates
Category (Integrator Operable Unit, Units and D&D Facilities (or Remnants) Assigned to an Area Operable Unit, RCRA/CERCLA Units or FFA Facility Closures, or Site Evaluation Areas)			
Area Operable Unit or Integrator Operable Unit Name Unit Name			
Steel Creek Watershed			
Integrator Operable Unit			
Steel Creek Integrator Operable Unit (Including Wetland Area at Dunbarton Bay [NBN], L Lake [NBN] and L-Area Reactor Discharge Canal [NBN]) ¹²	SEP 2000	AUG 2064	DEC 2064
Phase III Field Start	FEB 2059		
Wetland Area at Dunbarton Bay (NBN) ¹³			
P-Area Reactor Discharge Canal (NBN)			
SRS Index Number(s): 509 462			
SEMS Number(s): 71			
RCRA/CERCLA Units			
ECODS L-3 (East of L Area) (NBN), L-Area Rubble Pit (131-1L), and L-Area Rubble Pit (131-4L) Operable Unit	SEP 2022	AUG 2025	NOV 2026
SRS Index Number(s): 537 98 99			
SEMS Number(s): 91			
L-Area Ash Basin (188-0L) Operable Unit	SEP 2025	AUG 2028	NOV 2029
SRS Index Number(s): 148			
SEMS Number(s): 91			
P-Area Groundwater Operable Unit (NBN)	DEC 2013	MAY 2031	JUL 2032
SRS Index Number(s): 143			
SEMS Number(s): 81			

Site Evaluation Areas

Revision 0 Appendix E: Fiscal Year 2020 Long-Term Projections
E.3: Field Start, ROD Issuance and RA Start Dates (including Fiscal Year 2023+)
Sorted in order of Watershed, Category, and Unit Name

Watershed

**Category (Integrator Operable Unit, Units and D&D Facilities (or Remnants)
Assigned to an Area Operable Unit, RCRA/CERCLA Units or FFA Facility Closures,
or Site Evaluation Areas)**

**Area Operable Unit or Integrator Operable Unit Name
Unit Name**

**Site
Evaluation
Report
Submittal
Date
or
Field Start** **ROD
Issuance** **RA Start
or
Tank Dates**

Dunbarton Railroad Yard (NBN)

DEC 2035

SRS Index Number(s): 546
SEMS Number(s): NA

Units and D&D Facilities (or Remnants) Assigned to an Area Operable Unit

L Area Operable Unit⁷

SEP 2034 JUL 2063 OCT 2064

SRS Index Number: 584
SEMS Number: 91

Building 108-4L, Emergency Diesel Generator and Fuel Oil Storage¹

SEP 2034 OCT 2040 JAN 2042

SRS Index Number(s): 1770
SEMS Number(s): 91

L-Area Operable Unit Final Action

JUL 2063 OCT 2064

SRS Index Number(s): 584
SEMS Number(s): 91

L-Area Process Sewer Lines as Abandoned (NBN)

SEP 2034 OCT 2040 JAN 2042

SRS Index Number(s): 560
SEMS Number(s): 91

L-Area Reactor Area Cask Car Railroad Tracks as Abandoned (NBN)

SEP 2034 OCT 2040 JAN 2042

SRS Index Number(s): 479
SEMS Number(s): 91

Potential Release from L-Area Disassembly Basin (NBN)

SEP 2034 OCT 2040 JAN 2042

SRS Index Number(s): 303
SEMS Number(s): 91

Potential Release from L-Area Reactor Cooling Water System (186/190-L)

SEP 2034 OCT 2040 JAN 2042

SRS Index Number(s): 305
SEMS Number(s): 91

Revision 0 Appendix E: Fiscal Year 2020 Long-Term Projections
E.3: Field Start, ROD Issuance and RA Start Dates (including Fiscal Year 2023+)
Sorted in order of Watershed, Category, and Unit Name

Watershed	Site Evaluation Report Submittal Date or Field Start	ROD Issuance	RA Start or Tank Dates
Upper Three Runs Watershed			
E-Area Low Level Waste Facility			
E-Area Low-Level Waste Facility, 643-26E [including Low Level Radioactive Waste Disposal Facility (non-hazardous waste disposal portion of 643-7E) and Combined Spills from 643-G as reported in WSRC-RP-97-419] ⁵		MAR 2063	DEC 2063
SRS Index Number(s): 592 571 266			
SEMS Number(s): 86			
Integrator Operable Unit			
Upper Three Runs Integrator Operable Unit (Including Tims Branch [NBN]) ¹²	MAY 2003	SEP 2063	DEC 2063
Phase III Field Start	NOV 2057		
Steed Pond (NBN)			
SRS Index Number(s): 510 456			
SEMS Number(s): 70			
RCRA/CERCLA Units			
A-Area Ash Pile (788-0A) and A-Area Coal Pile Runoff Basin (788-3A) Operable Unit		NOV 2024	MAR 2026
SRS Index Number(s): 236 47			
SEMS Number(s): 62			
Building 716-A, Automotive Repair Facility and Building 725-A, Paint Shop Operable Unit	SEP 2024	SEP 2027	DEC 2028
SRS Index Number(s): 1035 1060			
SEMS Number(s): 62			

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Watershed

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or Site Evaluation Areas)**

Area Operable Unit or Integrator Operable Unit Name

Unit Name

**Site
Evaluation
Report
Submittal
Date
or
Field Start**

**ROD
Issuance**

**RA Start
or
Tank Dates**

General Separations Area Eastern Groundwater Operable Unit (NBN)

SEP 2001

FEB 2046

MAY 2047

SRS Index Number(s): 549

SEMS Number(s): 46

General Separations Area Western Groundwater Operable Unit (NBN)

SEP 2004

JAN 2043

APR 2044

SRS Index Number(s): 575

SEMS Number(s): 85

Stormwater Outfall A-013 (NBN) Operable Unit

NOV 2021

MAR 2023

SRS Index Number(s): 483

SEMS Number(s): 62

Site Evaluation Areas

Advanced Tactical Training Area (ATTA) Firing Ranges (NBN)

JAN 2025

SRS Index Number(s): 208

SEMS Number(s): NA

F-Area Ash Landfill (288-0F)

DEC 2024

SRS Index Number(s): 276

SEMS Number(s): NA

Units and D&D Facilities (or Remnants) Assigned to an Area Operable Unit

A Area Operable Unit ⁷

SRS Index Number: 576

SEMS Number: 62

SEP 2035

MAY 2056

AUG 2057

A-001 Outfall (NBN)

SEP 2035

OCT 2038

JAN 2040

SRS Index Number(s): 481

SEMS Number(s): 62

A-Area Operable Unit Final Action

MAY 2056

AUG 2057

SRS Index Number(s): 481

SEMS Number(s): 62

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Watershed

**Category (Integrator Operable Unit, Units and D&D Facilities (or Remnants)
Assigned to an Area Operable Unit, RCRA/CERCLA Units or FFA Facility Closures,
or Site Evaluation Areas)**

**Site
Evaluation
Report
Submittal
Date
or
Field Start** **ROD
Issuance** **RA Start
or
Tank Dates**

**Area Operable Unit or Integrator Operable Unit Name
Unit Name**

A-Area Process Sewer Lines as Abandoned (NBN)

SEP 2035 OCT 2038 JAN 2040

SRS Index Number(s): 562
SEMS Number(s): 62

SRL 904-A Process Trench (includes Stormwater Outfall A-002), Spill on 12/01/1971 of 1000 Gallons of Rad Water from SRL, and SRL Mixed Waste Storage Tanks (904-A, NBN, and 776-A)

SEP 2035 OCT 2038 JAN 2040

SRS Index Number(s): 131 387
SEMS Number(s): 62

Stormwater Outfall A-024 (NBN)

SEP 2035 OCT 2038 JAN 2040

SRS Index Number(s): 458
SEMS Number(s): 62

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E.3: Field Start, ROD Issuance and RA Start Dates (including Fiscal Year 2023+)
Sorted in order of Watershed, Category, and Unit Name

Watershed	Site Evaluation Report Submittal Date or Field Start	ROD Issuance	RA Start or Tank Dates
Category (Integrator Operable Unit, Units and D&D Facilities (or Remnants) Assigned to an Area Operable Unit, RCRA/CERCLA Units or FFA Facility Closures, or Site Evaluation Areas)			
Area Operable Unit or Integrator Operable Unit Name			
Unit Name			

Savannah River Site (SRS) Index Number is a unique identifier. This number is used by SRS for tracking and is not meant to imply a ranking or priority.
SEMS OU Number: The U. S. Environmental Protection Agency's (EPA's) Superfund Enterprise Management System database.

Watershed Designation: An Area Completion may extend into two Watersheds. The center location of the Area Completion grouping was used to determine in which Watershed the Area Completion is listed. The Watershed designation in Appendix E is not meant to represent the true geographical representation. Reference the Federal Facility Agreement (FFA) Appendix C, RCRA/CERCLA Units to determine the actual watershed in which a unit is located.

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

D&D: Deactivation and Decommissioning

ECODS: Early Construction and Operational Disposal Site

NBN: No Building Number

RA: Remedial Action

RCRA: Resource Conservation and Recovery Act

ROD: Record of Decision

¹ These facilities were not addressed per Facility Decommissioning Evaluation (FDE) protocols; however, these facilities will receive final disposition as remedial actions conducted as part of the ongoing area completion effort.

² The D-Area Ash Basin (488-1D), D-Area Ash Basin (488-2D), D-Area Ash Landfill (488-4D), and D-Area Coal Pile Runoff Basin (489-D) Record of Decision Issuance and Remedial Action Start dates are specific to those units only. These units will be covered under a Second Early Action ROD for the D-Area Operable Unit (DAOU).

³ The final remedial decision for Building 420-D, Concentrator Building, Building 421-D, Finishing Building, Building 772-D, Control Laboratory and Supervisor's Office, Building 421-2D, Moderator Handling and Storage, Building 420-2D, Rework Handling Facility, and D-Area Asbestos Pit (080-20G) was discussed in the DAOU Early Action ROD (SRNS-RP-2010-00162, Revision 1.2, July 2011). Therefore, bold text is used to indicate that these units have a final remedial decision.

⁴ This entry is for the environmental media associated with the 484-10D Facility.

⁵ This entry includes all Burial Ground Complex facilities that have not previously undergone remedial action/corrective action.

⁶ All of the C-Area Operable Unit (CAOU) subunits, except the C-Area Reactor Discharge Canal (NBN), will be remediated per the Early Action decision documents. The C-Area Reactor Discharge Canal (NBN) will be remediated as part of the CAOU Final Action decision documents. Please note that the C-Area Process Sewer Lines as Abandoned are defined as those pipelines and tanks/structures that are no longer in service. The remaining sewer systems, process lines, and structures that continue to service the C-Area Reactor Building (105-C) Complex will be closed as part of the final action for the CAOU.

⁷ The current milestone dates for the F-Area Operable Unit, N-Area Operable Unit, K-Area Operable Unit, L-Area Operable Unit, and A-Area Operable Unit will be Early Action decision dates. Final action decisions for these area operable units will be associated with the completion of D&D activities in these areas. The scope of the early and final actions be agreed upon by the U. S. Department of Energy (DOE), EPA, and South Carolina Department of Health and Environmental Control (SCDHEC).

⁸ The DAOU Final Action dates are based on the completion of D&D activities in D-Area. Any DAOU subunits not remediated under previous D-Area removal and/or early remedial actions will be part of the DAOU Final Action.

⁹ The final remedial decision for Building 106-C, Process Water Storage Tank, Building 107-C, Cooling Water Effluent Sump, Building 109-C, Storage Basin, Building 710-C, Pre-Manufactured Metal Shelter, Building 717-C, Contaminated Maintenance Facility, Building 904-89G, Retention Basin for 100-C Containment, C-Area Process Sewer Lines as Abandoned (NBN), C-Area Reactor Area Cask Car Railroad Tracks as Abandoned (NBN), Containment Tank C803-7-1 (NBN), ECODS C-1 (Near C-Area Reactor Discharge Canal) (NBN), Potential Release from C-Area Disassembly Basin (NBN), and Potential Release from C-Area Reactor Cooling Water System (186/190-C) was discussed in the CAOU Early Action ROD (SRNS-RP-2014-00836, Revision 1, May 2015). Therefore, bold text is used to indicate that these units have a final remedial decision.

¹⁰ A separate schedule for the D-Area Effluent Discharge Canal and Ash Area Adjacent to and Easterly of D-Area Ash Basins 488-1D and 488-2D may be developed by the Core Team pending the results of the D-Area Groundwater Operable Unit remedial investigation process.

¹¹ Removal actions will be performed at the D-Area Groundwater Operable Unit in accordance with the Suspension Agreement FFA High-Level Waste (HLW) Tank Milestones, dated November 2017 and subsequent updates.

¹² The *Periodic Report on the Bioassessment of Savannah River Site Streams* will be submitted every 7 years and will address all integrator operable units (IOUs) until the Phase III Field Start for the individual IOU. As applicable, the report will reflect the SRS Index Numbers and SEMS Numbers for the IOU discussed in the report. The Lower Three Runs will not be included in the reports since the Phase III Field Start has been achieved.

¹³ By Core Team agreement, the Wetland Area at Dunbarton Bay was divided into two phases: Phase I (North Ash Remediation Area and South Ash Remediation Area [SARA] Zone 1) and Phase 2 (SARA Zones 2, 3, 3a, and 4). Phase I remediation is complete. Phase 2 remediation will be addressed at a later date after completion of an evaluation of ash disposition alternatives.

Enclosure 2

Sixth Five-Year Remedy Review Report for SRS OUs with Geosynthetic or Stabilization/Solidification Cover Systems Implementation Schedule

C	L	Activity Name	Original Duration	Start	Finish	2021		2022				2023			
						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
		Prepare Rev 0 Remedy Review Report (GSC 6th Five year)	91	06-Jul-2021	15-Dec-2021	■									
		Submit Rev 0 Remedy Review Report Geo Synthetic Cover	0		15-Dec-2021		◆								
		Rev 0 Remedy Review Report EPA/SCDHEC Review Geo Synthetic Cover	90	16-Dec-2021	15-Mar-2022	■									
		Receipt of EPA/SCDHEC Comments Geo Synthetic Cover	0		15-Mar-2022		◆								
		SRS Revise Rev 0 Remedy Review Report Geo Synthetic Cover	90	16-Mar-2022	13-Jun-2022	■									
		Submit Rev1 Remedy Review Report Geo Synthetic Cover	0		13-Jun-2022		◆								
		Rev 1 Remedy Review Report EPA/SCDHEC Review Geo Synthetic Cover	45	14-Jun-2022*	28-Jul-2022			■							
		Receive Comments Rev1 Remedy Review Report Geo Synthetic Cover	0		28-Jul-2022				◆						
		SRS Revise Rev 1 Remedy Review Report Geo Synthetic Cover	46	29-Jul-2022	12-Sep-2022					■					
		Submit Rev1.1 Remedy Review Report Geo Synthetic Cover	0		12-Sep-2022					◆					
		Rev 1.1 Remedy Review Report EPA/SCDHEC Review Geo Synthetic Cover	30	13-Sep-2022	12-Oct-2022						■				
		Receipt of Rev1.1 Remedy Review Report EPA/DHEC Approval Geo Synthetic Cover	0		12-Oct-2022						◆				
		DOE Sign Remedy Review Report Geo Synthetic Cover	30	13-Oct-2022	11-Nov-2022							■			
		DOE Send Signed Copy to SCDHEC Geo Synthetic Cover	0		11-Nov-2022							◆			
		SCDHEC Sign Remedy Review Report Geo Synthetic Cover	30	14-Nov-2022*	13-Dec-2022								■		
		SCDHEC Send Signed Copy to EPA Geo Synthetic Cover	0		13-Dec-2022								◆		
		EPA Sign Remedy Review Report Geo Synthetic Cover	30	14-Dec-2022	12-Jan-2023									■	
		EPA Send Signed Copy to DOE Geo Synthetic Cover	0		12-Jan-2023									◆	
		Public Notification Preparation Geo Synthetic Cover	14	13-Jan-2023	26-Jan-2023										■
		Issue Remedy Review Report Geo Synthetic Cover	0		26-Jan-2023										◆

Savannah River Nuclear Solutions
 Geo Synthetic Cover
 Sixth Five-Year Remedy Review Report

*6th Remedy Review
 Implementation Schedule Layout*

Enclosure 3

Tally of Milestones for Fiscal Year 2021

Fiscal Year 2021 Milestones
Revision 0 Appendix E.1 for Fiscal Year 2020 (Print Date: 10/30/2019)

Page 1 of 1

Document Type	E.2
RFI/RI Workplans	1
RFI/RI/BRA	1
CMS/FS	1
Statement of Basis/Proposed Plan	0
Revision 0 ROD	2
Post-ROD Docs	4
Site Evaluation Reports	0
High Level Radioactive Waste Tanks	1
Other	20
Total ¹	30

	E.2 ²
Field Starts	0
Issue RODs ³	3 on 8
RA Starts (if appropriate) ³	1 on 4

RFI/RI Workplans

F-Area OU (14 Buildings)⁴

RFI/RI/BRA

D-Area Groundwater OU

CMS/FS

D-Area Groundwater OU

Statement of Basis/Proposed Plan

Revision 0 ROD

Lower Three Runs IOU

Stormwater Outfall A-013 OU

Post-ROD Documents

2nd Land Use Control Implementation Plan in Support of D Area Operable Unit ⁴

- D-Area Ash Basin (488-1D)
- D-Area Ash Basin (488-2D)
- D-Area Ash Landfill (488-4D)
- D-Area Coal Pile Runoff Basin (489-D)

G-Area Oil Seepage Basin OU PCR/CMIR/RACR

Lower Three Runs IOU RAIP

Lower Three Runs IOU LUCIP

Site Evaluation Reports

High Level Radioactive Waste Tanks

New or Replacement Waste Tank Annual Report

Other – Programmatic

- Revision 0 Appendices C, G, and K
- Revision 0 Appendix H
- Revision 0 Appendix E
- Administrative Record File Indices Annual Update
- Federal Facility Agreement Annual Progress Report
- Annual Removal Action Report
- Revision 0 Appendix D
- Sixth Five-Year Remedy Review Report for SRS OUs with Engineered Cover Systems

Other – Programmatic – Project-Specific

- MIPSL OU Performance Evaluation Report (PER)
- ABRP & Misc Chem/Met Burn OU PER
- CMP Pits OU Effectiveness Monitoring Report
- CBRP OU Effectiveness Monitoring Report
- KBRP and PBRP OUs Combined GW Monitoring Report
- R Area GW OU Effectiveness Monitoring Report
- TNX Area GW OU Effectiveness Monitoring Report
- D-Area Groundwater OU GW Monitoring Report
- D-Area Oil Seepage GW OU MZ Letter Report
- A-Area Misc. Rubble Pile OU PER
- D-Area Groundwater OU Treatability Study Data Report
- Bldg. 690-N DPFR (Partial Decommissioning)

Field Starts

Issue RODs

- In Support of D Area Operable Unit ⁴ [4]
 - D-Area Ash Basin (488-1D)
 - D-Area Ash Basin (488-2D)
 - D-Area Ash Landfill (488-4D)
 - D-Area Coal Pile Runoff Basin (489-D)

Sixth Five-Year Remedy Review Report for SRS OUs with Groundwater Remedies [1]

Lower Three Runs IOU [3]

Remedial Action (RA) Starts

- In Support of D Area Operable Unit ⁴ [4]
 - D-Area Ash Basin (488-1D)
 - D-Area Ash Basin (488-2D)
 - D-Area Ash Landfill (488-4D)
 - D-Area Coal Pile Runoff Basin (489-D)

¹ As new or revised Implementation Schedules are approved, the total number of documents will change.

² X on Y: # of documents and/or letters on milestones/operable unit count; typically, does not include D&D Facilities or Remnants.

³ Issue RODs and RA Starts including Early Actions and/or Interim Actions and Remedy Review Reports.

⁴ These are Early Action milestones.

Enclosure 4

Tally of Milestones for Fiscal Year 2022

Fiscal Year 2022 Milestones
Revision 0 Appendix E.2 for Fiscal Year 2020 (Print Date: 10/30/2019)

Document Type	E.1
RFI/RI Workplans	1
RFI/RI/BRA ⁵	1
CMS/FS	0
Statement of Basis/Proposed Plan	2
Revision 0 ROD	0
Post-ROD Docs	1
Site Evaluation Reports	0
High Level Radioactive Waste Tanks	1
Other	18
Total ¹	24

	E.1 ²
Field Starts	1 on 14
Issue RODs ³	2 on 2
RA Starts (if appropriate) ³	1 on 3

RFI/RI Workplans

F-Area OU (14 Buildings)⁴

ECODS L-3, L-Area Rubble Pits (131-1L and 131-3L)

RFI/RI/BRA

ECODS N-1, Central Shops Scrap Lumber Pile, and Building 690-N, Process Heat Exchanger Repair Facility⁵

CMS/FS

Statement of Basis/Proposed Plan

D-Area Groundwater

ECODS N-1, Central Shops Scrap Lumber Pile, and Building 690-N, Process Heat Exchanger Repair Facility

Revision 0 ROD

Post-ROD Documents

2nd PCR in Support of D Area Operable Unit ⁴

- D-Area Ash Basin (488-1D)
- D-Area Ash Basin (488-2D)
- D-Area Ash Landfill (488-4D)
- D-Area Coal Pile Runoff Basin (489-D)

Site Evaluation Reports

High Level Radioactive Waste Tanks

New or Replacement Waste Tank Annual Report

Other – Programmatic

- Revision 0 Appendices C, G, and K
- Revision 0 Appendix H
- Revision 0 Appendix E
- Administrative Record File Indices Annual Update
- Federal Facility Agreement Annual Progress Report
- Annual Removal Action Report
- Revision 0 Appendix D
- Sixth Five-Year Remedy Review Report for SRS OUs with Geosynthetic or Stabilization/Solidification Cover Systems

Other – Programmatic – Project-Specific

- MIPSL OU Performance Evaluation Report (PER)
- ABRP & Misc Chem/Met Burn OU PER
- CMP Pits OU Effectiveness Monitoring Report
- KBRP and PBRP OUs Combined GW Monitoring Report
- L-Area Southern GW OU Effectiveness Monitoring Report
- R Rx Seepage Basins OU GW Mixing Zone Report
- TNX Area GW OU Effectiveness Monitoring Report
- D-Area Groundwater OU Letter Report
- D-Area Oil Seepage GW OU MZ Monitoring Report
- A-Area Misc. Rubble Pile OU PER

Field Starts

F-Area OU (14 Buildings)⁴ [14]

Issue RODs

Sixth Five-Year Remedy Review Report for SRS OUs with Engineered Cover Systems [1]

Stormwater Outfall A-013 [1]

Remedial Action (RA) Starts

Lower Three Runs IOU [3]

¹ As new or revised Implementation Schedules are approved, the total number of documents will change.

² X on Y: # of documents and/or letters on milestones/operable unit count; typically, does not include D&D Facilities or Remnants.

³ Issue RODs and RA Starts including Early Actions and/or Interim Actions and Remedy Review Reports.

⁴ These are Early Action milestones.

⁵ This is a combined document (RFI/RI Report with BRA and CMS/FS).

Enclosure 5

Tally of Milestones for Fiscal Years 2020 - 2065

Tally of Milestones for Fiscal Years (FY) 2020 – 2065

FY	Field Starts¹	Issue RODs¹	RA Starts¹	Site Evaluation Report Submittals
2019 ²	2 – 4	2 – 2	1 – 1	0
2020	2 – 3	1 – 1	1 – 1	0
2021	0 – 0	3 – 8	1 – 4	0
2022	2 – 17	2 – 2	1 – 3	0
2023	0 – 0	2 – 2	1 – 1	0
2024	3 – 5	2 – 3	1 – 1	0
2025	1 – 1	2 – 5	1 – 2	2
2026	0 – 0	0 – 0	1 – 2	0
2027	0 – 0	5 – 20	1 – 3	0
2028	0 – 0	1 – 1	2 – 15	0
2029	0 – 0	0 – 0	3 – 5	0
2030	0 – 0	0 – 0	1 – 1	0
2031	0 – 0	1 – 1	0 – 0	0
2032	0 – 0	0 – 0	1 – 1	0
2033	0 – 0	0 – 0	0 – 0	0
2034	3 – 14	0 – 0	0 – 0	0
2035	2 – 14	0 – 0	0 – 0	1
2036	1 – 7	0 – 0	0 – 0	1
2037	1 – 15	1 – 5	0 – 0	0
2038	0 – 0	0 – 0	1 – 5	0
2039	1 – 6	2 – 14	0 – 0	0
2040	0 – 0	2 – 12	1 – 5	0
2041	0 – 0	1 – 4	3 – 20	0
2042	1 – 1	1 – 15	1 – 4	0
2043	1 – 2	1 – 1	1 – 15	0
2044	0 – 0	1 – 1	1 – 1	0

¹ X – Y: # of documents and/or letters – milestone/operable unit count

² 2018 information based on actuals and is provided for comparison purposes.

D&D Facilities or Remnants associated with Area Operable Units are not included in the tally counts listed above.

Issue RODs include Early Actions, Interim Actions, ESDs, Final Actions, and Five-Year Remedy Review Reports. RA Starts include Early Actions, Interim Actions, and Final Actions.

Tally of Milestones for Fiscal Years (FY) 2020 – 2065

FY	Field Starts¹	Issue RODs¹	RA Starts¹	Site Evaluation Report Submittals
2045	0 – 0	1 - 6	0 – 0	0
2046	0 – 0	2 - 4	2 – 7	0
2047	0 – 0	1 - 1	2 – 4	0
2048	0 – 0	1 - 1	0 – 0	0
2049	0 – 0	1 - 2	2 - 2	0
2050	0 – 0	0 – 0	1 – 2	0
2051	0 – 0	0 – 0	0 – 0	0
2052	0 – 0	0 – 0	0 – 0	0
2053	0 – 0	0 – 0	0 – 0	0
2054	0 – 0	0 – 0	0 – 0	0
2055	0 – 0	0 – 0	0 – 0	0
2056	0 – 0	1 - 1	0 – 0	0
2057	0 – 0	0 – 0	1 - 1	0
2058	1 – 2	0 – 0	0 – 0	0
2059	3 – 4	0 – 0	0 – 0	0
2060	1 – 3	0 – 0	0 – 0	0
2061	0 – 0	1 - 1	0 – 0	0
2062	0 – 0	1 - 1	1 - 1	0
2063	0 – 0	3 - 6	1 - 1	0
2064	0 – 0	3 – 6	2 - 5	0
2065	0 – 0	0 – 0	4 - 7	0

¹ X – Y: # of documents and/or letters – milestone/operable unit count

² 2018 information based on actuals and is provided for comparison purposes.

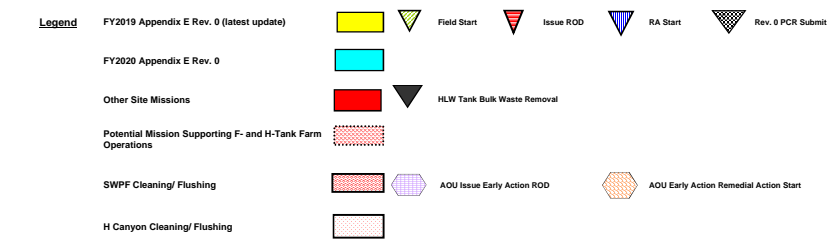
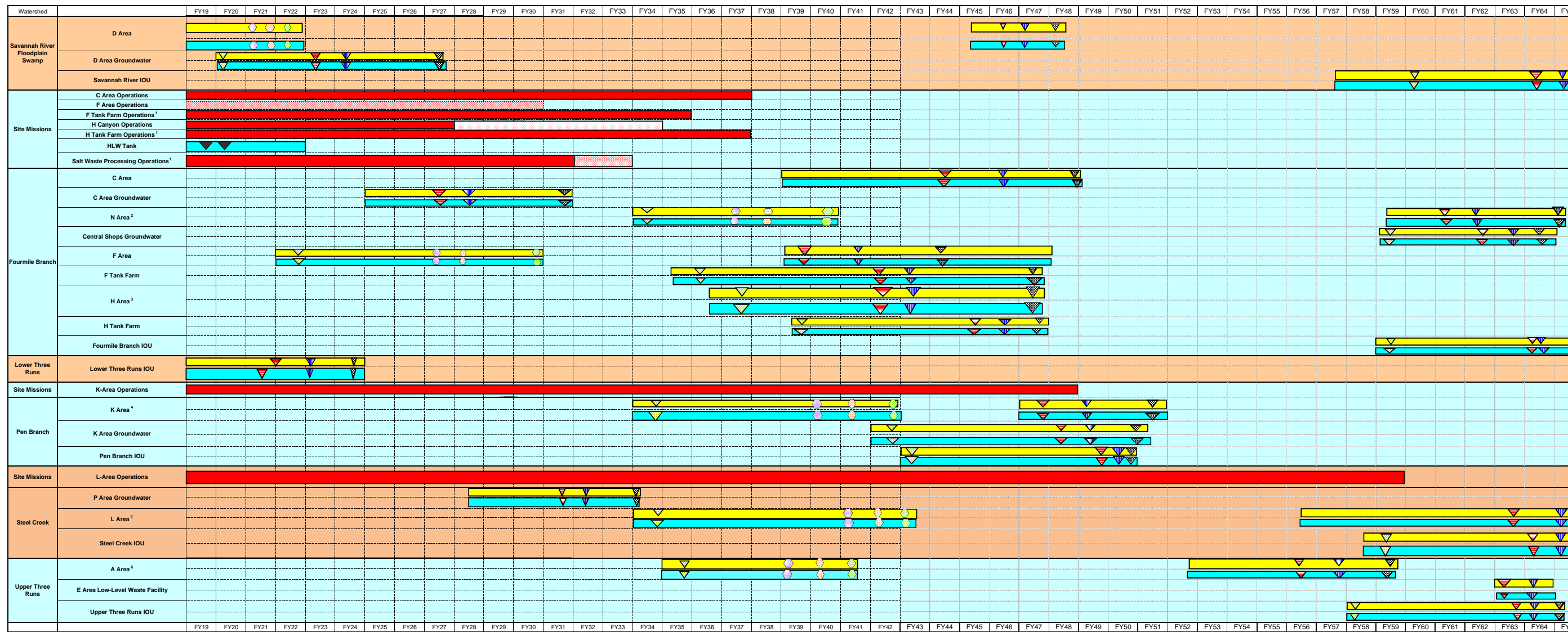
D&D Facilities or Remnants associated with Area Operable Units are not included in the tally counts listed above.

Issue RODs include Early Actions, Interim Actions, ESDs, Final Actions, and Five-Year Remedy Review Reports. RA Starts include Early Actions, Interim Actions, and Final Actions.

Enclosure 6

Area Completion Plan

SRS Area Completion Plan



¹ The end dates for these site missions are based on the Liquid Waste System Plan (SRR-LWP-2009-00001, Rev. 20, March 2016), which has been approved by DOE.

² The Central Scrap Lumber Pile, ECODS N-1, Sandblast Area CMN-001, and Building 690-N, Process Heat Exchanger Repair Facility (Ford Building) was separated from the NAOU with separate milestones (i.e., Field Start in FY2020, Issue ROD in FY2023, and RA Start in FY2025).

³ Sandblast Area CMN-002 and Spill on 020157 of Unknown Seepage Basin Pipe Leak from 904-440 was separated from the NAOU with separate milestones (i.e., Field Start in FY2024, Issue ROD in FY2027, and RA Start in FY2029).

⁴ The K-Area Ash Basin was separated from the KAOU with separate milestones (i.e., Field Start in FY2024, Issue ROD in FY2027, and RA Start in FY2029).

⁵ The ECODS L-3, L-Area Rubble Pile (1L) and L-Area Rubble Pile (4L) was separated from the LAOU with separate milestones (i.e., Field Start in FY2022, Issue ROD in FY2025, and RA Start in FY2027). The L-Area Ash Basin (188-L) was separated from the LAOU with separate milestones (i.e., Field Start in FY2025, Issue ROD in FY2028, and RA Start in FY2030).

⁶ The remnants from Building 716-A, Automotive Repair Facility and Building 725-A, Paint Shop was separated from the AAOU with separate milestones (i.e., Field Start in FY2024, Issue ROD in FY2027, and RA Start in FY2029).

FY	FY2019 Appendix E Rev. 0 (10/26/2018)				FY2020 Appendix E Rev. 0 (10/30/2019)						
	Field Start	Issue ROD	Other ROD*	RA Start	Site Evaluation Report	Field Start	Issue ROD	Other ROD*	RA Start	Site Evaluation Report	
FY20	5	3	1	1	0	FY20	3	0	1	1	0
FY21	1	0	5	7	0	FY21	0	3	5	4	0
FY22	16	0	4	0	0	FY22	17	1	1	3	0
FY23	4	1	2	3	0	FY23	0	1	1	1	0
FY24	7	2	1	2	0	FY24	5	2	1	1	0
FY25	1	4	2	2	2	FY25	1	5	0	2	2
FY26	3	0	0	0	0	FY26	0	0	0	2	0
FY27	4	0	9	4	0	FY27	0	6	14	3	0
FY28	2	0	0	1	0	FY28	0	1	0	15	0
FY29	1	0	0	5	0	FY29	0	0	0	5	0
FY30	2	0	0	0	0	FY30	0	0	0	1	0
FY31	5	1	0	0	0	FY31	0	1	0	0	0
FY32	0	0	0	1	0	FY32	0	0	0	1	0
FY33	0	0	0	0	0	FY33	0	0	0	0	0
FY34	14	0	0	0	0	FY34	14	0	0	0	0
FY35	5	0	0	0	1	FY35	14	0	0	0	1
FY36	7	0	0	0	1	FY36	7	0	0	0	1
FY37	15	0	5	0	0	FY37	15	0	5	0	0
FY38	0	0	0	5	0	FY38	0	0	0	5	0
FY39	6	1	5	0	0	FY39	6	9	5	9	0
FY40	0	0	5	5	0	FY40	0	7	5	5	0
FY41	0	0	4	6	0	FY41	0	0	4	20	0
FY42	1	22	0	4	0	FY42	1	15	0	4	0
FY43	2	1	0	22	0	FY43	2	1	0	15	0
FY44	0	1	0	1	0	FY44	0	1	0	1	0
FY45	0	6	0	0	0	FY45	0	6	0	0	0
FY46	0	4	0	7	0	FY46	0	4	0	7	0
FY47	0	1	0	4	0	FY47	0	1	0	4	0
FY48	0	1	0	0	0	FY48	0	1	0	0	0
FY49	0	2	0	4	0	FY49	0	2	0	2	0
FY50	0	0	0	2	0	FY50	0	0	0	2	0
FY51	0	0	0	0	0	FY51	0	0	0	0	0
FY52	0	0	0	0	0	FY52	0	0	0	0	0
FY53	0	0	0	0	0	FY53	0	0	0	0	0
FY54	0	0	0	0	0	FY54	0	0	0	0	0
FY55	0	0	0	0	0	FY55	0	0	0	0	0
FY56	0	1	0	0	0	FY56	0	1	0	0	0
FY57	0	0	0	1	0	FY57	0	0	0	1	0
FY58	2	0	0	0	0	FY58	2	0	0	0	0
FY59	4	0	0	0	0	FY59	4	0	0	0	0
FY60	3	0	0	0	0	FY60	3	0	0	0	0
FY61	0	1	0	0	0	FY61	0	1	0	0	0
FY62	0	1	0	1	0	FY62	0	1	0	1	0
FY63	0	6	0	1	0	FY63	0	6	0	1	0
FY64	0	6	0	5	0	FY64	0	6	0	5	0
FY65	0	0	0	7	0	FY65	0	0	0	7	0

* Other RODs for Early Actions, or Interim Actions, or ESDs, or Five-Year Remedy Review Reports.

FY	FDEs/DPFRs***	
	FDEs	DPFRs
2020	10	2
2021	0	10
2022	0	3

Program Status (03/06/2019)	
515	Number of Waste Units
97	Units in Assessment
8	Units in Remediation
410	Units Complete

*** The information is provided for regulatory planning purposes only and is subject to change.
 FDE = Facility Decommissioning Evaluation
 DPFR = Decommissioning Project Final Report