



Scoping Summary for the Sixth Five-Year Remedy Review Report for Savannah River Site Operable Units with Engineered Cover Systems (U)

SRNS-RP-2020-00419

Final

September 2020

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1.0 BACKGROUND

The size of the Savannah River Site (SRS) Five-Year Remedy Review Reports has grown considerably since the first report was submitted to the U.S. Environmental Protection Agency (USEPA) and South Carolina Department of Health and Environmental Control (SCDHEC) in July 1997. The increased size of the report is primarily the result of rising numbers of SRS remedial decisions requiring five-year remedy reviews, and new USEPA guidance and format requirements that are not easily implemented for a large National Priorities List site with numerous remedial decisions issued. In 2014, the Core Team (i.e., representatives from the U.S. Department of Energy [USDOE], SCDHEC, and USEPA) reached agreement during review and approval of the *Fourth Five-Year Remedy Review Report for the Savannah River Site (U)* (SRNS-RP-2012-00011, Revision 1.1, November 2013) to submit future SRS Five-Year Remedy Review Reports in a phased approach rather than combining all operable unit (OU) reviews into a single document.

Agreement was reached during the May 2014 Core Team scoping meeting to group the OUs by the following remedy types: 1) native soil cover and/or land use controls (LUCs); 2) groundwater; 3) engineered cover systems¹; 4) geosynthetic (geo) or stabilization/solidification (S/S) cover systems; and 5) operating equipment. These groupings were chosen to provide the opportunity to effectively identify and resolve issues for similar remedies simultaneously and efficiently implement optimization initiatives for similar projects. The phased approach for submittal of future reports began with the *Fifth Five-Year Remedy Report for Savannah River Site Operable Units with the Native Soil Covers and/or Land Use Controls (U)* (SRNS-RP-2014-00902, Revision 0, December 2014) followed by the submittal of four additional reports to complete the Fifth Five-Year Remedy Review cycle.

This scoping summary supports the development of the Sixth Five-Year Remedy Review Report cycle. In accordance with the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), remedy reviews are conducted every five years. Issuance dates for the Sixth Five-Year Remedy Review Reports will occur over a five-year period (2020-2024) as shown in Table 1. A complete list of OUs/decision documents and acronyms are provided in Table 2.

This scoping summary supports the development of the Sixth Five-Year Remedy Review Report for SRS OUs with Engineered Cover Systems. The implementation schedule for the Sixth Five-Year Remedy Review Report for SRS OUs with Engineered Cover Systems is provided in Figure 1.

2.0 PROBLEM WARRANTING ACTION

To remain in compliance with CERCLA and the NCP and to not exceed the five-year limit that is required between OU/decision document reviews, a phased approach with a schedule for annual submittal of the Sixth Five-Year Remedy Review Reports is needed. To maintain this schedule and obtain the final signature for the last report no later than January 21, 2024, the Revision 0

¹ Engineered cover systems were formerly known as compacted clay cover systems in earlier five-year remedy review documentation. See Table 3.

submittal of the Sixth Five Year Remedy Review Report for SRS OUs with Engineered Cover Systems is due on or before December 17, 2020.

3.0 SCOPE OF THE PROBLEM

This scoping document addresses OUs that implemented engineered cover systems as the selected remedies and are grouped under the Engineered Cover Systems category.

Engineered cover systems are similar to native soil covers but have a lower permeability if well compacted, promote more effective surface drainage, and minimize infiltration. The grouping for the Engineered Cover System category was expanded to include OUs that used common fill or clayey material from offsite sources and had some form of engineering controls (i.e., soil material requirements, soil compaction requirements, and/or stormwater management systems).

The Sixth Five-Year Remedy Review Report for SRS OUs with Engineered Cover Systems includes a review of the following OUs:

- Central Shops Burning/Rubble Pits (631-1G and 631-3G) (CSBRP)
- D-Area Burning/Rubble Pits (431-D and 431-1D) (DBRP)
- Ford Building Seepage Basin (904-91G) (FBSB)
- F-Area Hazardous Waste Management Facility (904-41G, 904-42G, and 904-43G) (FHWMF)
- H-Area Hazardous Waste Management Facility (904-44G, 904-45G, 904-46G, and 904-56G) (HHWMF)
- K-Area Burning/Rubble Pit (131-K) (KBRP) and K-Area Rubble Pile (631-20G) (KRP)
- Metallurgical Laboratory Hazardous Waste Management Facility (904-110G) (Met Lab HWMF)
- M-Area Hazardous Waste Management Facility (904-51G and 904-112G) (MHWMF)
- Mixed Waste Management Facility (643-28E) (MWMF)
- SRL Seepage Basins (904-53G1, 904-53G2, 904-54G, and 904-55G) (SRLSB)

The list of OUs above is unchanged from the list of OUs evaluated in the Fifth Five-Year Remedy Review Report.

The Sixth Five-Year Remedy Review Report for SRS OUs with Engineered Cover Systems will apply the *2016 Five Year Review Recommended Template* (OLEM 9200.0-89, January 2016). Comments received from the USEPA during the *Fifth Five Year Remedy Reviews for Savannah River Site Operable Units with Operating Equipment* (SRNS-RP-2017-00567, Revision 0, December 2017) recommended that the USDOE implement the 2016 template when preparing future five-year remedy review reports. The 2016 recommended template amends Appendix E of the “*Comprehensive Five-Year Review Guidance*,” OSWER Directive 9355.7-03B-P, June 2001. The 2016 recommended template also replaces the *2011 Updated Five Year Review Summary Form* (OSWER Directive 9200.2-105, December 2011) implemented for all SRS Fifth Five-Year Remedy Review Reports.

4.0 OBJECTIVE

The objective of the Five-Year Review team is to prepare an approvable Sixth Five-Year Remedy Review Report for SRS OUs with Engineered Cover Systems. The five-year report will document at the appropriate level of detail that each remedy is, or is not, protective of human health and the environment in the long term. Evaluations are based on relevant document reviews, data reviews and analyses, and site inspections. The following USEPA reference information will be used during preparation of the reports:

- *Comprehensive Five-Year Review Guidance*, EPA 540-R-01-007, Office of Emergency and Remedial Response, OSWER Directive 9355.7-03B-P, June 2001.
- *Recommended Evaluation of Institutional Controls: Supplement to the “Comprehensive Five-Year Review Guidance”*, Office of Solid Waste and Environmental Control, OSWER Directive 9355.7-18, September 2011.
- *Five-Year Review Recommended Template*, Office of Solid Waste and Emergency Response, OLEM 9200.0-89, January 2016.

5.0 RESPONSE

USDOE will prepare the Sixth Five-Year Remedy Review Report for SRS OUs with Engineered Cover Systems consistent with the Core Team agreement for phased submittal of five-year remedy review reports. The following tasks will be performed as part of the five-year review to determine the protectiveness of the engineered cover systems and functionality of the access controls:

- Review of OU-specific regulatory documentation including RODs, Early Action RODs (EARODs), Interim RODs (IRODs), and Explanation of Significant Differences (ESDs).
- Review of all process and performance data provided in monitoring reports. Issues and recommendations that impact the protectiveness of the remedy will be documented in the Issues/Recommendations section.
- Inspection of the OUs and documented interviews with maintenance personnel. Consistent with the first phased five-year remedy review report, the Five-Year Review Site Inspection Checklist will be streamlined to only publish the checklist sections that are applicable to the OU;
- Review changes in standards and to-be-considered guidance with respect to the protectiveness of the remedies. Current regulatory standards applicable to the OUs with engineered cover systems include the following:
 - USEPA Regional Screening Levels (RSLs) for Nonradiological Constituents (May 2020)
 - USEPA Preliminary Remediation Goals (PRGs) for Radionuclides (January 2019)
 - USEPA Maximum Contaminant Levels (MCLs)
- Update maps and figures as appropriate.

USEPA’s Federal Facility CERCLA Five Year Reviews Enhancement Interagency National Workgroup recommended increased community involvement during the five-year remedy review process. The following community involvement activities will be applied to the remedy review reports as follows:

- A public notice will be published soon after the scoping meeting to inform the public that a remedy review will be conducted.
- A Fact Sheet for each remedy review report will be included when the three-Party signed reports are public noticed.

6.0 UNCERTAINTY

None

7.0 STRATEGY

- The USDOE will submit the Revision 0 Sixth Five-Year Remedy Review Report for SRS OUs with Engineered Cover Systems in December 2020. The format and level of detail for this report is consistent with the *Sixth Five-Year Remedy Report for Savannah River Site Operable Units with the Native Soil Covers and/or Land Use Controls (U)* (SRNS-RP-2018-00811) and the *Five-Year Review Recommended Template* (OLEM 9200.089).
 - Consistent with the *Sixth Five-Year Remedy Review Report for SRS OUs with Native Soil Covers and/or LUCs*, the USDOE will implement the *Five-Year Recommended Template* (OLEM 9200.0-89, January 2016) in the introductory section of the Sixth Five-Year Remedy Review Report for SRS OUs with Engineered Cover Systems. The proposed outline and tables are provided in Attachments 1 and 2, respectively. The following changes will be reflected in the Sixth Five-Year Remedy Review Report:
 - The Executive Summary will no longer contain the Five-Year Review Summary Form.
 - Tables from the 2016 recommended template guidance will be presented as individual tables as shown in Attachment 2. This information was previously presented in the Five-Year Review Summary Form.
 - The “Sitewide Protectiveness Statement” table is not included because the SRS has not achieved sitewide protectiveness.
 - No format changes are proposed for the individual OU appendices.
 - The USDOE, SCDHEC, and USEPA will approve and sign the *Sixth Five-Year Remedy Review Report for SRS OUs with Engineered Cover Systems*. The document approval is based on a 90/90 day review cycle.
 - USDOE will prepare an Environmental Bulletin for issuance to the public prior to submittal of the Revision 0 Sixth Five-Year Remedy Review document. A draft Environmental Bulletin will be transmitted informally to USEPA and SCDHEC for review and input.
 - A draft Fact Sheet will be submitted with each Revision 0 Sixth Five-Year Remedy Review document for regulatory review and comment.
 - A record of Core Team key agreements for the Five-Year Remedy Review Report phased approach is provided in Table 3.
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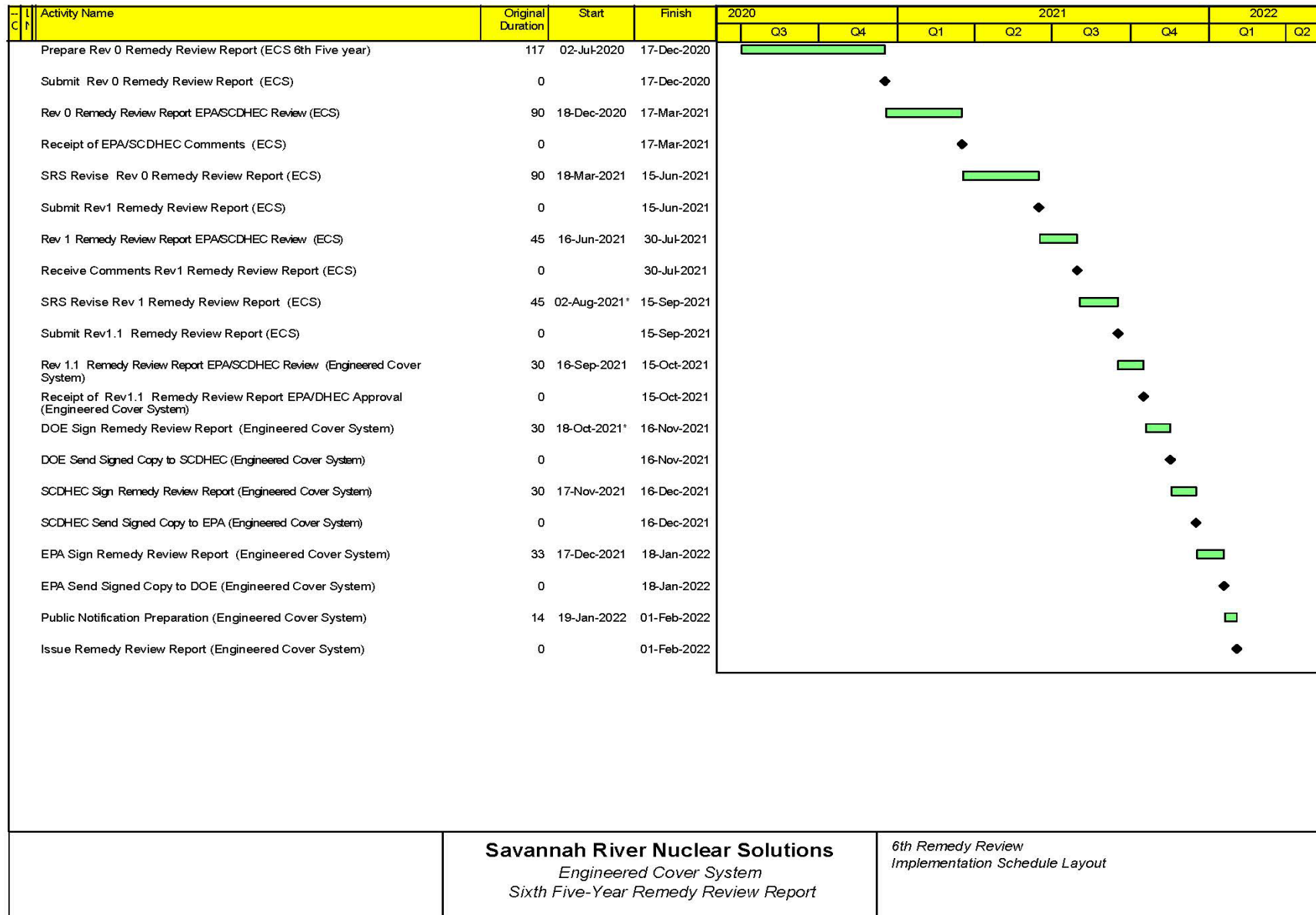


Figure 1. Sixth Five-Year Remedy Review Report for SRS OUs with Engineered Cover Systems Implementation Schedule

Table 1. Sixth Five-Year Review Report Submittal Schedule (by Remedy)

Native Soil Cover and/or LUCs		Groundwater		Engineered Cover System		Geo or S/S Cover System		Operating Equipment	
<i>Rev. 0 Submittal Date</i>	<i>Issuance Year</i>	<i>Rev. 0 Submittal Date</i>	<i>Issuance Year</i>	<i>Rev. 0 Submittal Date</i>	<i>Issuance Year</i>	<i>Rev. 0 Submittal Date</i>	<i>Issuance Year</i>	<i>Rev. 0 Submittal Date</i>	<i>Issuance Year</i>
December 2018	2020	December 2019	2021	December 2020	2022	December 2021	2023	December 2022	2024
CAOU ^a		CAGW		CSBRP		BAOU		A/M GW	
CKL-Rx		CMP Pits		DBRP		CRSB		ABRP/MCB/MBP	
ECODS		DOSB		FBSB		DEXOU		AMRP	
FBRP		LASG		FHWMF		ELLWF		CBRP	
Gunsite 012		RAOU ^c		HHWMF		FRB		DAOU	
HEWB		RRSB		KBRP/KRP		FTF		FAGW	
KBPOP				Met Lab HWMF		GSACU		HAGW	
L&PBPOP				MHWMF		HTF ^a		MAOU	
PAR Pond				MWMF		KRSB		MIPSL	
RBPOP				SRL SB		LAOCB		PBRP	
SRWU						L&CRSB		TNX Area	
WADB ^b						OFASB			
						PAOU			
						PRSB			
						RBRP/RRP			
						TAOU			

* Highlighted area identifies OUs evaluated for the sixth five-year remedy review reports due for submittal in 2020.

a OUs that were not previously evaluated in a five-year remedy review but are included in the sixth five-year review cycle.

b WADB was not evaluated in the sixth five-year remedy review cycle because the remedy implementation occurred during the development of the review document.

c R-Reactor Complex will be discussed as part of the RAOU.

Table 2. Five-Year Remedy Review Report Operable Units

#	Acronym	OPERABLE UNIT ^a	SEMS No. ^b
1	ABRP/MCB/MBP	A-AREA BURNING/RUBBLE PITS (731-A/1A) AND RUBBLE PIT (731-2A), MISCELLANEOUS CHEMICAL BASIN (731-4A) AND METALS BURNING PIT (731-5A)	28
2	AMRP	A-AREA MISCELLANEOUS RUBBLE PILE (731-6A)	30
3	A/M GW	A/M AREA GROUNDWATER	36 ^c
4	BAOU	B-AREA OPERABLE UNIT	48
5	CAOU	C-AREA OPERABLE UNIT	79
6	CBRP	C-AREA BURNING/RUBBLE PIT (131-C) AND OLD C-AREA BURNING/RUBBLE PIT 9NBN0	31
7	CAGW	C-AREA GROUNDWATER	82
8	CRSB	C-AREA REACTOR SEEPAGE BASINS (904-66G, 904-68G)	60
9	CKL-Rx	C-, K-, L-, AND R-REACTOR COMPLEXES	79, 90, 91
10	CSBRP	CENTRAL SHOPS BURNING RUBBLE PITS (631-1G AND 631-3G)	50
11	CMP Pits	CHEMICALS, METALS, AND PESTICIDES PITS (080-170G, 080-171G, 080-180G, 080-181G, 080-182G, 080-183G, 080-190G)	24
12	DBRP	D-AREA BURNING/RUBBLE PITS (431-D, 431-1D)	15
13	DEXOU	D-AREA EXPANDED OPERABLE UNIT (COMPRISED OF D-AREA ASH BASIN [488-D] AND D-AREA RUBBLE PIT [431-2D])	67
14	DOSB	D-AREA OIL SEEPAGE BASIN (631-G)	27
15	DAOU	D-AREA OPERABLE UNIT	63
16	ELLWF	E-AREA LOW-LEVEL WASTE FACILITY (643-26E)	86
17	ECODS	EARLY CONSTRUCTION AND OPERATIONAL DISPOSAL SITE (ECODS) L-1, N-2, P-2, AND R-1A, R-1B, R-1C	22
18	FBRP	F-AREA BURNING/RUBBLE PITS (231-F, 231-1F, AND 231-2F)	14
19	FAGW	F-AREA GROUNDWATER OPERABLE UNIT	8 ^c
20	FHWMF	F-AREA HAZARDOUS WASTE MANAGEMENT FACILITY (904-41G, 904-42G, 904-43G)	6 ^c
21	FRB	F-AREA RETENTION BASIN (281-3F)	23
22	FBSB	FORD BUILDING SEEPAGE BASIN (904-91G)	58
23	FTF	F-AREA TANK FARM	23
24	GSACU	GENERAL SEPARATIONS AREA CONSOLIDATION UNIT [Comprised of Old Radioactive Waste Burial Ground (including Solvent Tanks) (643-E), HP-52 Ponds, H-Area Retention Basin (281-3H) and Spill on 05/01/1956 of Unknown Amount of Retention Basin Pipe Leak (NBN), Warner's Pond (685-23G) and Spill on 03/08/1978 of Unknown Seepage Basin Pipe Leak in H-Area Seepage Basin (NBN) and Spill on 02/08/1978 of Unknown H-Area Process Sewer Line Cave-In (NBN)]	32
25	Gunsite 012	GUNSITE 012 (INCLUDING ECODS G-3)	78
26	HAGW	H-AREA GROUNDWATER OPERABLE UNIT	9 ^c
27	HHWMF	H-AREA HAZARDOUS WASTE MANAGEMENT FACILITY (904-44G, 904-45G, 904-46G, 904-56G)	7 ^c
28	HEWB	HEAVY EQUIPMENT WASH BASIN (NBN) AND CENTRAL SHOPS BURNING/RUBBLE PIT (631-5G)	53
29	HTF	H-AREA TANK FARM	89
30	KBPOP	K-AREA BINGHAM PUMP OUTAGE PIT (643-1G)	20

Table 2. Five-Year Remedy Review Report Operable Units (continued/end)

#	Acronym	OPERABLE UNIT ^a	SEMS No. ^b
31	KBRP&KRP	K-AREA BURNING/RUBBLE PIT (131-K) AND RUBBLE PILE (631-20G)	40
32	KRSB	K-AREA REACTOR SEEPAGE BASIN (904-65G)	55
33	L&PBPOP	L & P BINGHAM PUMP OUTAGE PITS (643-2G, 643-3G, 643-4G)	26, 39
34	LAOCB	L-AREA OIL AND CHEMICAL BASIN (904-83G)	17
35	L&CRSB	L-AREA REACTOR SEEPAGE BASIN (904-64G) AND C-AREA REACTOR SEEPAGE BASIN (904-67G)	65, 60
36	LASG	L-AREA SOUTHERN GROUNDWATER	77
37	MHWMF	M-AREA HAZARDOUS WASTE MANAGEMENT FACILITY (904-51G, 904-112G)	1 ^c
38	MIPSL	M-AREA INACTIVE PROCESS SEWER LINE (081-M)	19
39	MAOU	M-AREA OPERABLE UNIT	92
40	Met Lab HWMF	METALLURGICAL LABORATORY HAZARDOUS WASTE MANAGEMENT FACILITY (904-110G)	2 ^c
41	MWMF	MIXED WASTE MANAGEMENT FACILITY (643-28E)	33 ^c
42	OFASB	OLD F-AREA SEEPAGE BASIN (904-49G)	16
43	PAR Pond	PAR POND (685-G) (INCLUDING THE PRE-COOLER PONDS AND CANALS) AND LOWER THREE RUNS INTEGRATOR OPERABLE UNIT TAIL PORTION (MIDDLE AND LOWER SUBUNITS)	35
44	PBRP	P-AREA BURNING/RUBBLE PIT (131-P)	59
45	PAOU	P-AREA OPERABLE UNIT	94
46	PRSB	P-AREA REACTOR SEEPAGE BASINS (904-61G, 904-62G, 904-63G)	66
47	RBPOP	R-AREA BINGHAM PUMP OUTAGE PITS (643-8G, 643-9G AND 643-10G) AND R-AREA UNKNOWN PITS #1, #2, AND #3	38
48	RBRP/RRP	R-AREA BURNING/RUBBLE PITS (131-R, 131-1R) AND RUBBLE PILE (631-25G)	43
49	RAOU ^d	R-AREA OPERABLE UNIT	95
50	RRSB	R-AREA REACTOR SEEPAGE BASINS (904-57G, 904-58G, 904-59G, 904-60G, 904-103G, 904-104G) AND 108-4R OVERFLOW BASIN	25
51	SRWU	SILVERTON ROAD WASTE UNIT (731-3A)	13
52	SRL SB	SRL SEEPAGE BASINS (904-53G1, 904-53G2, 904-54G, AND 904-55G)	47
53	TAOU	T-AREA OPERABLE UNIT	96
54	TNX AREA	TNX AREA OPERABLE UNIT	21, 29
55	WADB	WETLAND AREA AT DUNBARTON BAY IN SUPPORT OF STEEL CREEK INTEGRATOR OPERABLE UNIT (NBN)	71

- a OUs with approved or scheduled remedy decisions as of 2020 are shown. ***Bolded italics*** items indicate new OUs or portions of OUs not included in any previously submitted Five-Year Remedy Review Report.
- b SEMS number is based on the latest approved version of the FFA Appendix C.
- c RCRA unit with approved remedy decision document.
- d R-Reactor Complex will be discussed as part of the RAOU.

Table 3. Record of Key Agreements

Date	Description of Agreement
May 12, 2014	<ul style="list-style-type: none"> • Core Team agreed that a phased submittal of the Fifth Five-Year Remedy Review by remedy type was acceptable. • USDOE will continue to coordinate with USEPA and SCDHEC to determine the number of annual submittals and schedule.
	<ul style="list-style-type: none"> • Core Team agreed to streamline the Site Inspection Checklist to include only the checklist sections that are applicable to the OU, significantly reducing the number of published pages.
	<ul style="list-style-type: none"> • USDOE will propose the document title (e.g., <i>Fifth Five-Year Remedy Review Report for Operable Units with Native Soil Covers and/or Land Use Controls</i>) for review by the Core Team during the Revision 0 review period. • USEPA tracks five-year reviews by CERCLIS numbers so the document title was not as important for their administrative requirements.
	<ul style="list-style-type: none"> • PAOU was more appropriately assigned to the Geosynthetic or S/S Cover System grouping based on feedback from the Core Team. • The C/K/L/R-Rx OU was moved to the Native Soil Covers and/or LUCs grouping because only the LUC portion of the early action remedy has been implemented for the C-, K-, and L-Reactor Complexes. The R-Reactor Complex is discussed as part of the RAOU. • USDOE will continue to evaluate the grouping of individual OUs to determine if additional adjustments are needed.
	<ul style="list-style-type: none"> • USEPA and SCDHEC confirmed that their personnel will participate in five-year inspections for all OUs.
August 30, 2016	<ul style="list-style-type: none"> • The group formerly known as “Compacted Clay Cover Systems” was renamed to “Engineered Cover Systems”.
	<ul style="list-style-type: none"> • ELLWF from the “Engineered Cover System” group and TAOU from the “Operating Equipment” group were moved to the “Geosynthetic or Stabilization/Solidification Cover System” group.
August 28, 2018	<ul style="list-style-type: none"> • Core Team agreed to the proposed implementation of the <i>Five-Year Review Recommended Template</i> (OLEM 9200.0-89, January 2016) in the introductory section of the <i>Sixth Five-Year Remedy Review Report for SRS OUs with Native Soil Covers and/or LUCs</i> as discussed in Section 7.0.

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Attachment 1. Outline for the Savannah River Site Summary of the Five-Year Remedy Review Reports

Section	Headings and Subheadings
I	INTRODUCTION Site Chronology Background Physical Characteristics Land and Resource Use History of Contamination
II	RESPONSE ACTION SUMMARY Initial Response Basis for Taking Action Response Actions Summary Status of Implementation Systems Operation and Maintenance
III	PROGRESS SINCE LAST REVIEW
IV	FIVE-YEAR REMEDY REVIEW PROCESS Community Notification and Involvement Data Review, Site Inspections, and Interviews
V	TECHNICAL ASSESSMENT Question A: Is the Remedy Functioning as Intended by the Decision Documents? Question B: Are the Exposure Assumptions, Toxicity Data, Cleanup Levels, and RAOs still Valid? Question C: Has Any Other Information Come to Light that could call into Question the Protectiveness of the Remedy?
VI	ISSUES AND RECOMMENDATIONS
VII	PROTECTIVENESS STATEMENT(S)
VIII	NEXT REVIEW
IX	OU-SPECIFIC FIVE-YEAR REMEDY REVIEW REPORTS
X	REFERENCES

Attachment 1 and Attachments 2-1 through 2-7 tables will be added to the Savannah River Site Summary section of the Sixth Five-Year Remedy Review Report for SRS OUs with Engineered Cover Systems. Example text is provided in Attachment 1 and Attachments 2-1 through 2-7.

Attachment 2-1. Example of Five-Year Review Summary Form²

SITE IDENTIFICATION		
Site Name: Savannah River Site		
EPA ID: SC1890008989		
Region: 4	State: SC	City/County: Aiken/Aiken
SITE STATUS		
NPL Status: Final		
Multiple OUs? Yes	Has the site achieved construction completion? No	
REVIEW STATUS		
Lead agency: Other Federal Agency If "Other Federal Agency" was selected above, enter Agency name: US Department of Energy		
Author name (Federal or State Project Manager): N/A		
Author affiliation: Savannah River Nuclear Solutions, LLC		
Review period: July 15, 2020 – January 21, 2022 (Phase 3: SRS OUs with Engineered Cover Systems)		
Date of site inspection: August 2020 to November 2020 (Phase 3: SRS OUs with Engineered Cover Systems)		
Type of review: Statutory		
Review number: 6		
Triggering action date: January 21, 2019		
Due date (five years after triggering action date): January 21, 2024 (includes all 5 phases)		

² Same format as the Fifth SRS Five-Year Remedy Review Reports.

Attachment 2-2. Example of LUC Summary Table³

Operable Unit	Media, Engineered Controls, and Areas that do not support UU/UE based on current conditions	LUCs Needed	LUCs Called for in the Decision Documents	Impacted Parcel(s) ^a	LUC Objectives	Title of LUC Instrument Implemented and Date (or Planned)
D-Area Burning/Rubble Pit (431-D and 431-1D)	Soil	Yes	Yes	15	<ul style="list-style-type: none"> Prevent hypothetical future industrial workers from exposure to PCBs in surface and subsurface soils at concentrations that exceeded target risk levels 	WSRC 1998

^a The Impacted Parcel(s) identification is represented by the SEMS number.

Attachment 2-3. Example of Protectiveness Determinations/Statements from the Fifth Five-Year Remedy Review Report for SRS OUs with Engineered Cover Systems (SRNS 2017)³

SEMS No.	Operable Unit	Protectiveness Determination	Protectiveness Statement
15	D-Area Burning/Rubble Pits (431-D, 431-1D)	Protective	The remedy at the DBRP OU is protective of human health and the environment.

³ New template format recommended by OLEM 9200.0-89.

Attachment 2-4. Example of Status of Recommendations from the Fifth Five-Year Remedy Review Report for SRS OUs with Engineered Cover Systems (SRNS 2017)³

SEMS #	Issue	Recommendations	Current Status	Current Implementation Status Description	Completion Date (if applicable)
N/A	No Issues were identified in the <i>Fifth Five-Year Remedy Review Report for SRS OUs with Engineered Cover Systems</i> (SRNS 2017)	N/A	N/A	N/A	N/A

N/A – Not applicable

Attachment 2-5. Example of Operable Units without Issues and Recommendations⁴

Issues/Recommendations
OU(s) without Issues/Recommendations Identified in the Five-Year Review:
SEMS # N/A

N/A – Not applicable

Attachment 2-6. Example of Issues and Recommendations Identified in the Five-Year Review Report⁵

Issues and Recommendations Identified in the Five-Year Review:				
SEMS #: N/A	Issue Category: N/A			
	Issue: None			
	Recommendation: None			
Affect Current Protectiveness	Affect Future Protectiveness	Party Responsible	Oversight Party	Milestone Date
N/A	N/A	N/A	N/A	N/A)

NOTE: This example is based on the Issues and Recommendations from the *Fifth Five-Year Remedy Review Report for SRS OUs with Engineered Cover Systems* (SRNS-RP-2016-00609, Revision 1.1, November 2017). This table will be updated as needed for the Sixth Five-Year Remedy Review Report for SRS OUs with Engineered Cover Systems.

N/A – Not applicable

Attachment 2-7. Example of Protectiveness Statement(s) for the Sixth Five-Year Review Report for SRS OUs with Engineered Cover Systems⁴

Protectiveness Statement(s)		
<i>Operable Unit:</i> D-Area Burning/Rubble Pit (431-D and 431-1D), SEMS #15	<i>Protectiveness Determination:</i> Protective	<i>Planned Addendum Completion Date:</i> N/A
<i>Protectiveness Statement:</i> The remedy at the DBRP OU is protective of human health and the environment.		

N/A – Not applicable

⁴ New template format recommended by OLEM 9200.0-89.

⁵ Same format as Fifth Five-Year Remedy Review Reports.

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