



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

JUL 19 2018

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: Fiscal Year (FY) 2018 Budget Advice of Allotment for Environmental Compliance & Area Completion Projects and Federal Facility Agreement Revision 0 Appendix D for FY2018 (Print Date: 07/05/2018)

In accordance with the terms of Section XX.B of the Federal Facility Agreement (FFA) for the Savannah River Site, the U.S. Department of Energy (DOE) is providing official notification that the Savannah River Operations Office has received its Fiscal Year (FY) 2018 Budget Advice of Allotment and accompanying Approved Funding Program authorizing the FY2018 Environmental Compliance & Area Completion Projects budget.

This submittal includes the FFA Revision 0 Appendix D for FY2018 (Print Date: 07/05/2018) for your review as required by FFA Section XX.B. The Revision 0 Appendix D for FY2018 incorporates changes from the approved FFA Revision 1 Appendix E: Fiscal Year 2017 Long-Term Projections, Appendix E.1: Deliverable Commitment Dates and Milestones Commitment Dates for FY2018 (Print Date: 04/17/2017, Updated 05/31/2017). These changes are discussed below.

1. DOE submitted an extension request on January 10, 2018 (IACD-18-123) that proposed the extension of the Issue Fifth Five-Year Remedy Review Report for Savannah River Site Operable Units with Engineered Cover Systems milestone. The South Carolina Department of Health and Environmental Control (SCDHEC) and U. S. Environmental Protection Agency (EPA) approved the extension request on January 16, 2018. Therefore, the milestone due date for issuance of the report was revised from February 7, 2018 to March 9, 2018.

2. DOE submitted an extension request on January 18, 2018 (IACD-18-124) that proposed the extension of the Issue Fifth Five-Year Remedy Review Report for Savannah River Site Operable Units with Geosynthetic or Stabilization/Solidification Cover Systems milestone. The SCDHEC and EPA approved the extension request on January 25, 2018 and January 26, 2018, respectively. Therefore, the milestone due date for issuance of the report was revised from February 7, 2018 to April 8, 2018.
3. During the Feasibility Study (FS) Adobe Webcast Scoping Meeting that was held on March 5, 2018, DOE, SCDHEC, and EPA agreed that additional time was required to perform the remedial alternative analysis for nine exposure areas defined within the Lower Three Runs Integrator Operable Unit (IOU). Based on this agreement, the DOE submitted an initial extension request for the FS and subsequent milestones (IACD-18-141, dated March 15, 2018). The SCDHEC and EPA approved the extension request on March 19, 2018 and March 29, 2018, respectively. This extension request moved the Lower Three Runs IOU FS submittal from April 11, 2018 to July 10, 2018. Due to the complexity of the Lower Three Runs IOU project and the level of detail necessary for the evaluation of remedial alternatives, additional time was needed to prepare the FS report. Therefore, the DOE submitted an extension request for the FS (IACD-18-158, dated June 19, 2018). The SCDHEC and EPA approved this extension request on June 22, 2018 and June 26, 2018, respectively. This revised the FS submittal date from July 10, 2018 to August 24, 2018.
4. During the July 18, 2017 C-Area Groundwater (CAGW) Operable Unit (OU) Scoping Meeting, the DOE, SCDHEC, and EPA agreed to conduct a non-time critical removal action for the CAGW OU. This agreement included a delay in the final remedial decision for the CAGW OU. Therefore, the FY2018 milestones for the CAGW OU were revised as shown below.
 - C-Area Groundwater Operable Unit (NBN) (including Building 108-3C, Fuel Unloading Facilities Power – Area Supv) Revision 0 Focused Corrective Measures Study/Feasibility Study Submittal was revised from May 1, 2018 to April 20, 2025.
 - C-Area Groundwater Operable Unit (NBN) Action Memorandum Submittal was added with a date of May 18, 2018.
5. During the May 9, 2017 P-Area Groundwater (PAGW) OU Early Action Discussion Scoping Meeting, the DOE, SCDHEC, and EPA agreed to conduct a non-time critical removal action for the PAGW OU. The P-Area Groundwater Operable Unit (NBN) Trichloroethylene Plumes Discharging to Steel Creek Action Memorandum Submittal was added to Appendix D with a date of May 26, 2018.

6. The Record of Decision Remedial Alternative Selection for the Wetland Area at Dunbarton Bay in Support of Steel Creek Integrator Operable Unit (SRNS-RP-2013-00730, Revision 1, April 2018) was signed by DOE, EPA, and SCDHEC on May 7, 2018, May 21, 2018, and June 4, 2018, respectively. This document contained an updated implementation schedule. Therefore, the following milestones were added to Appendix D.
 - Wetland Area at Dunbarton Bay (NBN) in Support of Steel Creek Integrator Operable Unit Revision 0 Corrective Measures Implementation/Remedial Action Implementation Plan (CMI/RAIP) Submittal with a date of June 6, 2018.
 - Wetland Area at Dunbarton Bay (NBN) in Support of Steel Creek Integrator Operable Unit Revision 0 Land Use Control Implementation Plan (LUCIP) Submittal with a date of June 6, 2018.
 - Issue Wetland Area at Dunbarton Bay (NBN) in Support of Steel Creek Integrator Operable Unit Record of Decision Remedial Alternative with a date of August 8, 2018.
7. Based on EPA and SCDHEC approval, October 3, 2017 and October 25, 2017, respectively, to discontinue monitoring and reporting at the L-Area Burning/Rubble Pit and Rubble Pile (131-L, 131-3L, and 131-2L) (LBRP) OU, the title of the *K-Area Burning/Rubble Pit and Rubble Pile (131-K and 631-20G) (KBRP), L-Area Burning/Rubble Pit and Rubble Pile (131-L, 131-3L, and 131-2L) (LBRP), and P-Area Burning/Rubble Pit (131-P) (PBRP) Operable Units (OUs) Combined Groundwater Monitoring Report Submittal* was revised to remove “L-Area Burning/Rubble Pit and Rubble Pile (131-L, 131-3L, and 131-2L) (LBRP)”. There was no change to the submittal date of June 30, 2018.
8. Based on the reporting frequency stated in the regulatory approved *Effectiveness Monitoring Plan for the R-Area Operable Unit* (SRNS-RP-2010-01259, Revision 1, April 2011) and the recommendations in the *R-Area Groundwater (NBN) Effectiveness Monitoring Report in Support of R Area Operable Unit January 2016 through December 2016* (SRNS-RP-2017-00232, Revision 0, June 2017), the entry for the R-Area Operable Unit (NBN) Effectiveness Monitoring Report was removed as a FY2018 submittal. The reports will be submitted biennially, beginning June 30, 2019.
9. Based on the DOE, EPA, and SCDHEC signed *Suspension Agreement Federal Facility Agreement (FFA) High-Level Waste (HLW) Tank Milestones* (effective November 8, 2017), the D-Area Groundwater Operable Unit Revision 0 Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) Submittal milestone was initially added with a date of July 31, 2018. However, based on the *2018 Update to the Suspension Agreement Federal Facility Agreement (FFA) High-Level Waste (HLW) Tank Milestones (signed 11/2017)*, the removal action was changed to a treatability study. Therefore, the milestone that was added to Appendix D is the D-Area Groundwater Operable Unit Revision 0 Treatability Study Work Plan Submittal with a date of July 31, 2018.
10. Based on the DOE, EPA, and SCDHEC signed *Suspension Agreement Federal Facility Agreement (FFA) High-Level Waste (HLW) Tank Milestones* (effective November 8, 2017), the Complete Bulk Waste Removal Efforts for Six (6) Tanks milestone with a submittal date of September 30, 2018 was deleted.

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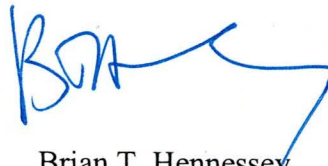
11. Based on the DOE, EPA, and SCDHEC signed *Suspension Agreement Federal Facility Agreement (FFA) High-Level Waste (HLW) Tank Milestones* (effective November 8, 2017), the D-Area Coal Storage Area (484-17D) in Support of D-Area Groundwater Operable Unit Revision 0 Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) Submittal milestone was added with a date of September 30, 2018.

As of the date of this letter, all milestones have been met on or ahead of schedule.

Please review the enclosure and provide your comments or approval within fifteen (15) business days of receipt. 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

IACD-18-164

Enclosure:

Revision 0 Appendix D for Fiscal Year 2018 (Print Date: 07/05/2018)

Ms. Susan Fulmer
Mr. Jon Richards

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cc w/o encl:

R. Campbell, EPA-Atlanta

R. H. Pope, EPA-Atlanta

G. K. Taylor, SCDHEC – Columbia

D. Scaturo, SCDHEC-Columbia

S. French, SCDHEC-Columbia

M. D. Wilson, SCDHEC-Columbia

G. N. O'Quinn, SCDHEC-Aiken Environmental Affairs Office

cc w/encl:

D. Lloyd, EPA-Atlanta

J. Tufts, EPA-Atlanta

Revision 0 Appendix D for Fiscal Year 2018

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 2018 Submittal	10/01/2017
SRS Unit Index Number(s): NA	SEMS OU Number(s): NA
Revision 0 Appendix H, RCRA Regulated Units for Fiscal Year 2018 Submittal	10/01/2017
SRS Unit Index Number(s): NA	SEMS OU Number(s): NA
P-Area Groundwater Operable Unit (NBN) Trichloroethylene Plumes Discharging to Steel Creek Revision 0 Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) Submittal	10/30/2017
SRS Unit Index Number(s): 143	SEMS OU Number(s): 81
Complete Bulk Waste Removal Efforts for One (1) Tank (Tank 15H)	10/31/2017
SRS Unit Index Number(s): N/A	SEMS OU Number(s): 89
Revision 0 Appendix E for Fiscal Year 2018 (Commitments for Fiscal Years 2019 & 2020 and Projected ROD Issuance Dates for Fiscal Year 2021+) Submittal	11/15/2017
SRS Unit Index Number(s): NA	SEMS OU Number(s): NA
Administrative Record File Indices Annual Update for Fiscal Year 2017 Submittal	12/01/2017
SRS Unit Index Number(s): NA	SEMS OU Number(s): NA
Federal Facility Agreement Annual Progress Report for Fiscal Year 2017 (Including annual certification of Land Use Control Units) Submittal	12/01/2017
SRS Unit Index Number(s): NA	SEMS OU Number(s): NA
Revision 0 Fifth Five-Year Remedy Review Report for Savannah River Site Operable Units with Operating Equipment Submittal	12/21/2017
SRS Unit Index Number(s): N/A	SEMS OU Number(s): N/A
Removal Actions Performed in Fiscal Year 2017 Report Submittal	01/01/2018
SRS Unit Index Number(s): NA	SEMS OU Number(s): NA
D-Area Ash Basin (488-1D) Revision 0 Early Action Statement of Basis/Proposed Plan (SB/PP) in Support of the D-Area Operable Unit Submittal	02/06/2018
SRS Unit Index Number(s): 238	SEMS OU Number(s): 63
D-Area Ash Basin (488-2D) Revision 0 Early Action Statement of Basis/Proposed Plan (SB/PP) in Support of the D-Area Operable Unit Submittal	02/06/2018
SRS Unit Index Number(s): 272	SEMS OU Number(s): 63

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.

SEMS: The EPA's Superfund Enterprise Management System database.

¹ This facility was not addressed per FDE protocols; however, this facility will receive final disposition as a remedial action conducted as part of an ongoing characterization/remedial action.

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Deliverable or Milestone:	Milestone/ Submittal Date (MM/DD/YYYY)
D-Area Ash Landfill (488-4D) Revision 0 Early Action Statement of Basis/Proposed Plan (SB/PP) in Support of the D-Area Operable Unit Submittal SRS Unit Index Number(s): 548 SEMS OU Number(s): 63	02/06/2018
D-Area Coal Pile Runoff Basin (489-D) Revision 0 Early Action Statement of Basis/Proposed Plan (SB/PP) in Support of the D-Area Operable Unit Submittal SRS Unit Index Number(s): 69 SEMS OU Number(s): 63	02/06/2018
Savannah River and Floodplain Swamp Integrator Operable Unit (Including Beaver Dam Creek [NBN]) Fourth Phase II Field Start SRS Unit Index Number(s): 508 569 570 SEMS OU Number(s): 69	02/28/2018
Upper Three Runs Integrator Operable Unit (Including Tims Branch [NBN]) Revision 0 Periodic Report 5 Submittal SRS Unit Index Number(s): 510 456 SEMS OU Number(s): 70	02/28/2018
Issue Fifth Five-Year Remedy Review Report for Savannah River Site Operable Units with Engineered Cover Systems SRS Unit Index Number(s): N/A SEMS OU Number(s): N/A	03/09/2018
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) SRS Unit Index Number(s): 283 298 SEMS OU Number(s): 23 89	03/09/2018
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) SRS Unit Index Number(s): 100 234 SEMS OU Number(s): 19	04/02/2018
Issue Fifth Five-Year Remedy Review Report for Savannah River Site Operable Units with Geosynthetic or Stabilization/Solidification Cover Systems SRS Unit Index Number(s): N/A SEMS OU Number(s): N/A	04/08/2018
C-Area Groundwater Operable Unit (NBN) Action Memorandum Submittal SRS Unit Index Number(s): 146 SEMS OU Number(s): 82	05/18/2018
P-Area Groundwater Operable Unit (NBN) P-Area Groundwater Operable Unit (NBN) Trichloroethylene Plumes Discharging to Steel Creek Action Memorandum Submittal SRS Unit Index Number(s): 143 SEMS OU Number(s): 81	05/26/2018

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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)	05/31/2018
SRS Unit Index Number(s): 46 45 49 101 102 237 SEMS OU Number(s): 28	
Wetland Area at Dunbarton Bay (NBN) in Support of Steel Creek Integrator Operable Unit Revision 0 Corrective Measures Implementation/Remedial Action Implementation Plan (CMI/RAIP) Submittal	06/06/2018
SRS Unit Index Number(s): 509 462 SEMS OU Number(s): 71	
Wetland Area at Dunbarton Bay (NBN) in Support of Steel Creek Integrator Operable Unit Revision 0 Land Use Control Implementation Plan (LUCIP) Submittal	06/06/2018
SRS Unit Index Number(s): 509 462 SEMS OU Number(s): 71	
G-Area Oil Seepage Basin (761-13G) Operable Unit Revision 0 Statement of Basis/Proposed Plan (SB/PP) Submittal	06/11/2018
SRS Unit Index Number(s): 77 SEMS OU Number(s): 93	
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)	06/17/2018
SRS Unit Index Number(s): 61 62 63 64 65 66 67 SEMS OU 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)	06/30/2018
SRS Unit Index Number(s): 84 88 108 SEMS OU 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.]	06/30/2018
SRS Unit Index Number(s): 487 SEMS OU 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.)]	06/30/2018
SRS Unit Index Number(s): 121 122 123 124 119 120 42 SEMS OU Number(s): 25	

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Deliverable or Milestone:	Milestone/ Submittal Date (MM/DD/YYYY)
TNX Area Groundwater Operable Unit 2017 Comprehensive Groundwater Monitoring and Remedial Action Effectiveness Interim Report Submittal (Reference: WSRC-TR-95-284, Reports to be submitted annually.)	06/30/2018
SRS Unit Index Number(s): 25	SEMS OU 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)	07/31/2018
SRS Unit Index Number(s): 520	SEMS OU Number(s): 63
D-Area Groundwater Operable Unit (NBN) Revision 0 Treatability Study Work Plan Submittal	07/31/2018
SRS Unit Index Number(s): 520	SEMS OU Number(s): 63
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)	07/31/2018
SRS Unit Index Number(s): 26	SEMS OU 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)	08/01/2018
SRS Unit Index Number(s): 48	SEMS OU Number(s): 30
Issue Wetland Area at Dunbarton Bay (NBN) in Support of Steel Creek Integrator Operable Unit Record of Decision Remedial Alternative Selection	08/08/2018
SRS Unit Index Number(s): 509 462	SEMS OU Number(s): 71
Lower Three Runs Integrator Operable Unit Revision 0 Feasibility Study (FS) Submittal	08/24/2018
SRS Unit Index Number(s): 505 110 312	SEMS OU Number(s): 35
Complete Bulk Waste Removal Efforts for One (1) Tank (Tank 10H)	08/31/2018
SRS Unit Index Number(s): N/A	SEMS OU Number(s): 89
D-Area Coal Storage Area (484-17D) in Support of D-Area Groundwater Operable Unit Revision 0 Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) Submittal	09/30/2018
SRS Unit Index Number(s): 520 2264	SEMS OU Number(s): 63
Steel Creek Integrator Operable Unit (Including Wetland Area at Dunbarton Bay [NBN], L Lake [NBN], and L-Area Reactor Discharge Canal [NBN]) Revision 0 Periodic Report 6 Submittal	09/30/2018
SRS Unit Index Number(s): 509 462	SEMS OU Number(s): 71

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