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WSRC-OS-94-42	11/16/2017

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D	D-1 to D-3 (Print Date: 06/20/2017)	3	D-1 to D-3 (Print Date: 06/20/2017, Updated 11/10/2017)	3
L	N/A	N/A	Suspension Agreement Federal Facility Agreement (FFA) High-Level Waste (HLW) Tank Milestones	3
FFA Modification	23-24	2	23-24	2

Revision 0 Appendix D for Fiscal Year 2017

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 2017 Submittal	10/01/2016
SRS Unit Index Number(s): NA	CERCLIS OU Number(s): NA
Revision 0 Appendix H, RCRA Regulated Units for Fiscal Year 2017 Submittal	10/01/2016
SRS Unit Index Number(s): NA	CERCLIS OU Number(s): NA
D-Area Ash Basin (488-1D) Removal Action Start	10/03/2016
SRS Unit Index Number(s): 238	CERCLIS OU Number(s): 63
Revision 0 Appendix E for Fiscal Year 2017 (Commitments for Fiscal Years 2018 & 2019 and Projected ROD Issuance Dates for Fiscal Year 2020+) Submittal	11/15/2016
SRS Unit Index Number(s): NA	CERCLIS OU Number(s): NA
Administrative Record File Indices Annual Update for Fiscal Year 2016 Submittal	12/01/2016
SRS Unit Index Number(s): NA	CERCLIS OU Number(s): NA
Federal Facility Agreement Annual Progress Report for Fiscal Year 2016 (Including annual certification of Land Use Control Units) Submittal	12/01/2016
SRS Unit Index Number(s): NA	CERCLIS OU Number(s): NA
Revision 0 Fifth Five-Year Remedy Review Report for Savannah River Site Operable Units with Engineered Cover Systems Submittal	12/20/2016
SRS Unit Index Number(s): NA	CERCLIS OU Number(s): NA
Revision 0 Fifth Five-Year Remedy Review Report for Savannah River Site Operable Units with Geosynthetic or Stabilization/Solidification Cover Systems Submittal	12/21/2016
SRS Unit Index Number(s): NA	CERCLIS OU Number(s): NA
Savannah River and Floodplain Swamp Integrator Operable Unit (Including Beaver Dam Creek [NBN]) Revision 0 Periodic Report 4 Submittal	12/30/2016
SRS Unit Index Number(s): 508 569 570	CERCLIS OU Number(s): 69
Removal Actions Performed in Fiscal Year 2016 Report Submittal	01/01/2017
SRS Unit Index Number(s): NA	CERCLIS OU Number(s): NA
Issue Fifth Five-Year Remedy Review Report for Savannah River Site Operable Units with Groundwater Remedies	02/05/2017
SRS Unit Index Number(s): NA	CERCLIS OU Number(s): NA
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)	03/09/2017
SRS Unit Index Number(s): 283 298	CERCLIS OU Number(s): 23 89

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Revision 0 Appendix D for Fiscal Year 2017

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)	04/02/2017
SRS Unit Index Number(s): 100 234 CERCLIS OU 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)	05/31/2017
SRS Unit Index Number(s): 46 45 49 101 102 237 CERCLIS OU 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)	06/17/2017
SRS Unit Index Number(s): 61 62 63 64 65 66 67 CERCLIS OU Number(s): 24	
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).]	06/30/2017
SRS Unit Index Number(s): 51 566 CERCLIS OU Number(s): 31	
Fourmile Branch Integrator Operable Unit (Including the Un-Named Tributary of Fourmile Branch South of C-Area [NBN]) Fifth Phase II Field Start	06/30/2017
SRS Unit Index Number(s): 504 CERCLIS OU Number(s): 84	
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 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.)	06/30/2017
SRS Unit Index Number(s): 84 88 93 78 169 108 CERCLIS OU Number(s): 40 56 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, the three Parties will meet to determine the submittal frequency for future reports.)	06/30/2017
SRS Unit Index Number(s): 288 CERCLIS OU Number(s): 95	
TNX Area Groundwater Operable Unit 2016 Comprehensive Groundwater Monitoring and Remedial Action Effectiveness Interim Report Submittal (Reference: WSRC-TR-95-284, Reports to be submitted annually.)	06/30/2017
SRS Unit Index Number(s): 25 CERCLIS OU Number(s): 21 29	
Lower Three Runs Integrator Operable Unit Revision 0 Remedial Investigation/Baseline Risk Assessment Report Submittal	07/03/2017
SRS Unit Index Number(s): 505 110 312 CERCLIS OU Number(s): 35	

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Revision 0 Appendix D for Fiscal Year 2017

Deliverable or Milestone:	Milestone/ Submittal Date (MM/DD/YYYY)
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)	07/31/2017
SRS Unit Index Number(s): 520	CERCLIS OU 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)	07/31/2017
SRS Unit Index Number(s): 26	CERCLIS 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)	08/01/2017
SRS Unit Index Number(s): 48	CERCLIS OU Number(s): 30
C-Area Groundwater Operable Unit (NBN) Revision 0 Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) Submittal	09/28/2017
SRS Unit Index Number(s): 146	CERCLIS OU Number(s): 82
G-Area Oil Seepage Basin (761-13G) Operable Unit Revision 0 RCRA Facility Investigation/Remedial Investigation (RFI/RI) Report with Baseline Risk Assessment (BRA) and Corrective Measures Study/Feasibility Study (CMS/FS) Submittal	09/29/2017
SRS Unit Index Number(s): 77	CERCLIS OU Number(s): 93

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**Suspension Agreement
Federal Facility Agreement (FFA) High-Level Waste (HLW) Tank Milestones**

The three parties agree to a suspension of the FFA Appendix L Items #6, #7 and #12 associated with completion of Bulk Waste Removal Efforts (BWRE) and Operational Closure. This suspension is entered into for the purpose of allowing time to negotiate a comprehensively revised set of HLW Program Milestones as outlined below. This suspension does not include item #5 of Appendix L as modified in the "2017 Update to the Statement of Resolution of Dispute Concerning Extension of Closure Dates for Savannah River Site High-Level Radioactive Waste Tanks 19 and 18 (signed 11/19/07)."

Our agencies previously agreed to hold two meetings between April 1 and August 31, 2017 to discuss the two FFA milestones due in fiscal year 2017. These meetings were held on May 16 and August 15. Follow-up discussions were held on September 6 and 8.

The FFA Appendix L BWRE and operational closure milestones were established in November 2007 based on best available information, knowledge, and assumptions applicable then. As discussed, substantial programmatic issues have arisen and adjustments have been or will be made to the Liquid Waste Program because of:

- New Liquid Waste Program Contract Pending Award with an emphasis directed toward enhanced salt waste processing
- Salt Waste Processing Facility (SWPF) construction completed (4/29/2016) with start-up testing well underway including tie-in with existing Liquid Waste Infrastructure (e.g., waste transfer line, DWPF, and Tank 49 modifications)
- DOE EM-1 45-Day Review Initiative Action Plan
- Significant System Outages (e.g., 2F Evaporator failure (2012) and 3H Evaporator failure (2016), Defense Waste Processing Facility (DWPF) Melter failure (2017) and replacement and maintenance)
- Tank Waste Issues (e.g. rheology, corrosion control, closure durations, chemical cleaning, mixing pumps, tank farm aging infrastructure)
- New Nuclear Safety Requirements

During our discussions, we have also considered our mutual interest to renegotiate all of the remaining Appendix L BWRE and operational closure milestones (Appendix L Items #6-8 and #12-15) while furthering our shared interest in continuing risk reduction efforts. DOE will support this common goal of risk reduction by accelerating two Soil and Groundwater projects in D-Area. To achieve this, the undersigned agree to the following:


- A suspension of Appendix L milestones (Items #6, #7, and #12), with agreement to work pursuant to the attached Schedule to identify and implement a revised FFA plan and schedule established pursuant to FFA Section IX.E(1).
- Acceleration of two cleanup activities, D-Area Groundwater Removal Action to remediate acidic groundwater using a carbonate reactive substrate and D-Area Coal Storage Yard (484-17D) cleanup. These new milestones will be incorporated into Appendices D and E of the FFA as appropriate.

Project	Rev.0 EE/CA	Submit Final Action Memo	Removal Action Start
D-Area GW (injection wells, canal treatment w/ CaCO ₃)	7/2018	1/2019	1/2020
D-Area GW - 484-17D coal yard soil neutralization (no D&D)	9/2018	3/2019	4/2020

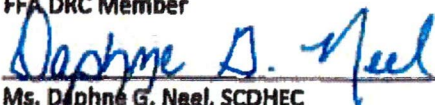
- Maintain a good faith effort to advance the SRS Liquid Waste Program with the following goals during negotiation:
 - Near term focus on waste removal from high risk H-Area Type I and II tanks
 - Near term partial turnover of F Tank Farm to Area Closure with incorporation of dates into FFA Appendix E, once established
 - Acceleration of F-Area Tank operational closure
 - Accelerated completion in advance of Liquid Waste System Plan Revision 20 milestones
 - EM funding requests to support acceleration schedule

All parties will act in good faith to accomplish the provisions of the Suspension Agreement. If DOE does not maintain a good faith effort to advance the liquid waste program as stated above, or the parties, acting in good faith, do not establish a mutually agreeable comprehensively revised set of HLW milestones for Appendix L items #6-8 and #12-15 by May 30, 2019, the suspension of time for completion of activities in Appendix L items #6, #7, and #12 may be terminated by any party in writing upon 10 days of notice. Upon termination for either of these reasons, the parties will revert to their respective positions as of November 15, 2017, with all obligations and rights available to the parties as if there had been no Suspension Agreement.

Upon reaching agreement for the comprehensive milestones by or before May 30, 2019, an FFA modification will be submitted to the parties for signature and incorporation into the FFA.


 Mr. James L. Folk, USDOE
 Savannah River Operations Office
 Assistant Manager Waste Disposition
 FFA DRC Member

11/6/2017
 Date


 Ms. Daphne G. Neel, SCDHEC
 Chief, Bureau of Land and Waste Management
 FFA DRC Member

11/6/17
 Date


 Mr. Franklin Hill, EPA Region 4
 Director, Superfund Division
 FFA DRC Member

11/8/17
 Date

Suspension Schedule

(Assumes SRS Liquid Waste Contract Awarded in early October 2017)

Regulatory Meeting (new contract status and strategy)*	30 days after Contract Notice to Proceed
Regulatory Meeting (contract baseline status and strategy)*	NLT September 30, 2018
Submittal of Liquid Waste System Plan	February 1, 2019
Regulatory Meeting (System Plan and Baseline Presentation)*	February 15, 2019
Regulatory Negotiation First Meeting	March 1, 2019
Regulatory Negotiation Second Meeting – develop draft modification of Appendix L	March 30, 2019
Draft FFA Major Modification – Community Involvement	April 14, 2019
Regulatory Settlement Meeting to finalize tank milestones – sign FFA Modification	May 30, 2019
Submit Major Modification to FFA Appendix L	June 30, 2019

* denotes Regulatory Interactions necessary to explain the workscope, schedule and consider regulatory feedback applicable to management of the contract.

**Record of Modifications to the Federal Facility Agreement
for the Savannah River Site**

The following are synopses of the modifications made to the Agreement. Reference the Administrative Record File to view the entire modification.

Date	Section or Appendix Affected by Modification	Modification
02/21/2017	Appendices B, D, and L	<p>Appendix B, High-Level Radioactive Waste Tank System(s), was revised to include the 242-25H Evaporator System. The FFA modification for this revision was signed by DOE, SCDHEC, and EPA on 01/17/2017, 01/31/2017, and 02/07/2017, respectively.</p> <p>Issuance of the updated Revision 0 Appendix D for Fiscal Year 2016 (Print Date: 04/18/2016, Updated 02/17/2017). Based on regulatory approval, Appendix D was updated to remove the A-Area Miscellaneous Rubble Pile (731-6A) Operable Unit Issue Explanation of Significant Differences for the Revision 1.3 Record of Decision. The date for issuance of the document was revised from 09/28/2016 (Fiscal Year 2016) to 11/14/2016 (Fiscal Year 2017) during September 2016. However, based on regulatory agreement in November 2016, this milestone was completely removed from the FFA. Appendix D was also updated based on regulatory agreement during the informal dispute resolution process in 2016 to modify the Complete Bulk Waste Removal Efforts for Two (2) Tanks from 09/30/2016 (Fiscal Year 2016) to Complete Bulk Waste Removal Efforts for One tank (Tank 15H) by 10/31/2017 (Fiscal Year 2018) and Complete Bulk Waste Removal Efforts for One tank (Tank 10H) by 08/31/2018 (Fiscal Year 2018).</p> <p>Appendix L, Statements of Dispute Resolution, was updated to add the "2017 Update to the Statement of Resolution of Dispute Concerning Extension of Closure Dates for Savannah River Site High-Level Radioactive Waste Tanks 19 and 18 (signed 11/19/07)". The 2017 Update documents the modification to Item 5. The FFA modification for this update was signed by DOE, SCDHEC, and EPA on 01/17/2017, 01/31/2017, and 02/07/2017, respectively.</p>
05/31/2017	Appendix E	<p>Issuance of the EPA and SCDHEC approved Revision 1 Appendix E for Fiscal Year 2017 (Print Date: 04/17/2017). The SCDHEC and EPA approved the Revision 1 Appendix E for Fiscal Year 2017 on May 24, 2017. Appendix E.1 (Print Date: 04/17/2017, Updated 05/31/2017) was updated to reflect the agreement reached at the May 9, 2017 P-Area Groundwater Operable Unit Early Action Discussion Scoping Meeting to replace the P-Area Groundwater Operable Unit (NBN) Revision 0 Focused Corrective Measures Study/Feasibility Study (CMS/FS) Submittal with the P-Area Groundwater Operable Unit (NBN) Revision 0 Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) Submittal on 10/30/2017.</p>

The following are synopses of the modifications made to the Agreement. Reference the Administrative Record File to view the entire modification.

Date	Section or Appendix Affected by Modification	Modification
07/05/2017	Appendices E.2 and K	<p>Issuance of the Revision 1 Appendix E.2 for Fiscal Year 2017 (Print Date: 04/17/2017, Updated 06/30/2017). Appendix E.2 was updated to include "Issue Fifth Five-Year Remedy Review Report for Savannah River Site Operable Units with Operating Equipment" milestone on 02/07/2019. This milestone was included in the regulatory approved implementation schedule, but was inadvertently omitted from Appendix E.2.</p> <p>Issuance of the Revision 0 Appendix K for Fiscal Year 2017 (Print Date: 09/22/2016, Updated 06/30/2017). The SCDHEC and EPA approved the Decommissioning Project Final Report for Building 284-10H, Coal Handler Observation Building (V-PCOR-H-00009, Revision 0, February 28, 2017) on May 26, 2017 and June 8, 2017, respectively. Building 284-10H was decommissioned as a Clean Building, Simple Model facility. Based on approval of the Decommissioning Project Final Report, Building 284-10H was moved from Appendix K.1 to Appendix K.2.</p>
07/31/2017	Appendix D	<p>Issuance of the SCDHEC and EPA approved Revision 0 Appendix D for Fiscal Year 2017 (Print Date: 06/20/2017). The SCDHEC and EPA approved the Revision 0 Appendix D for Fiscal Year 2017 in their letters dated July 13, 2017 and July 31, 2017, respectively.</p>
11/16/2017	Appendices D and L	<p>Issuance of the updated Revision 0 Appendix D for Fiscal Year 2017 (Print Date: 06/20/2017; Updated 11/10/2017) to reflect the agreements reached in the <i>Suspension Agreement Federal Facility Agreement (FFA) High-Level Waste (HLW) Tank Milestones</i>, which was signed by DOE and SCDHEC on 11/6/2017 and EPA on 11/8/2017) for Complete Bulk Waste Removal Efforts for Three (3) Tanks - 9/30/2017 and Complete Operational Closure of Two (2) Tanks - 9/30/2017. Appendix D was also updated to reflect the submittal of the Revision 0 C-Area Groundwater Operable Unit Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) - 9/28/2017.</p> <p>Appendix L, Statements of Dispute Resolution, was updated to add the <i>Suspension Agreement Federal Facility Agreement (FFA) High-Level Waste (HLW) Tank Milestones</i>, which was signed by DOE and SCDHEC on 11/6/2017 and EPA on 11/8/2017.</p>