



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

NOV 20 2017

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 Annual Removal Action Report for Fiscal Year 2017

In accordance with Section XIV.B of the Federal Facility Agreement (FFA) for the Savannah River Site (SRS), the U. S. Department of Energy (DOE) is submitting this letter as the subject report for your files. In Fiscal Year (FY) 2017 [October 1, 2016 through September 30, 2017], the following removal actions [Non-Time Critical Removal (NTCR) and Time Critical] were active:

- **221-1F – A-Line and Ancillary Structure, CERCLIS Number 88:** Status is unchanged since FY2006. In February 2006, the Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) was completed and submitted for review by the U. S. Environmental Protection Agency (EPA) and South Carolina Department of Health and Environmental Control (SCDHEC). On May 30, 2006 the Action Memorandum (AM) was issued for the NTCR Action for Decommissioning of A-Line, 221-1F and Ancillary Structures. The responses to the EPA's and SCDHEC's comments accompanied the AM. The future removal action will demolish the buildings to the ground or first floor slabs. Sumps and basements will be filled with appropriate material to grade. The slabs will be covered with either a six-inch or an eight-inch concrete cap resulting in a maximum risk to the industrial worker of 2.9E-06. Due to changes in F-Area resulting from the pause of F-Canyon deactivation and shifts in priority, this action has been postponed. This alternative is expected to be implemented no later than F-Area Completion. Since the facility is structurally intact and hazards are currently contained, postponement of this action poses no immediate threat. Surveillance and maintenance will be performed to ensure conditions within the facility remain protective of human health and the environment.

Ms. Susan B. Fulmer
Mr. Jon Richards

NOV 20 2017

2

- **D Area Operable Unit (DAOU), CERCLIS Number 63:** This unit is listed on Appendix C of the FFA for the SRS. There are seven removal actions associated with the DAOU. The removal action activities associated with the Bubble Tower subunit were completed in FY2011. The removal action activities associated with the Moderator Processing Subunit and the D-006 Outfall (Petroleum Release Site) were completed in FY2012. The removal action activities for the 489-D Coal Pile Runoff Basin (CPRB) (Northern 25%) and the soils surrounding the 484-10D Waste Oil Facility were completed in FY2013. Therefore, only four DAOU removal action activities [488-2D Ash Basin, 488-4D Ash Landfill, 489-D CPRB (Southern 75%) and 488-1D Ash Basin] are discussed for FY2017.

The *Confirmation Sampling and Analysis Plan for Coal and/or Ash Removal at the Savannah River Site* (SRNS-RP-2013-00332, Revision 0, July 2013), *Field Sampling Plan for the D-Area 488-1D Inlet Basins* (SRNS-RP-2013-00342, Revision 0, July 2013), and the *Field Sampling Plan for the D-Area Coal Storage Area (484-17D)* (SRNS-RP-2013-00343, Revision 0, July 2013) were submitted to the SCDHEC and EPA for their review and comment on July 11, 2013. The purpose of the programmatic sampling and analysis plan (SAP) is to provide sampling information that is common to all SRS waste units containing coal and/or ash to eliminate the duplication of effort inherent with multiple document submittals. The field sampling plans (FSPs) are waste unit specific plans that will be used in conjunction with the generic plan. The SCDHEC and EPA provided comments on the 488-1D Inlet Basins FSP on November 7, 2013 and December 13, 2013, respectively. The SCDHEC and EPA provided comments on the SAP and 484-17D FSP on November 7, 2013 and February 3, 2014, respectively. The SAP (SRNS-RP-2013-00332, Revision 1 Redline, June 2014), 488-1D Inlet Basins FSP (SRNS-RP-2013-00342, Revision 1 Redline, June 2014), and the SRS' responses to the regulatory comments on the Revision 0 documents were submitted to the SCDHEC and EPA on June 3, 2014. In addition, the SRS' responses to the regulatory comments on the Revision 0 484-17D FSP were submitted to the SCDHEC and EPA on June 3, 2014. However, the 484-17D FSP was not revised and submitted to the SCDHEC and EPA because it is outside the scope of the D-Area Ash Basin closure. The SCDHEC and EPA provided comments on the Redline Revision 1 SAP on June 26, 2014 and July 2, 2014, respectively. The SCDHEC approved and the EPA provided comments on the 488-1D Inlet Basins FSP on June 26, 2014 and July 3, 2014, respectively. The DOE submitted the *Confirmation Sampling and Analysis Plan for Coal and/or Ash Removal at the Savannah River Site* (SRNS-RP-2013-00332, Revision 1.1, July 2014) (clean copy and redline pages), *Field Sampling Plan for the D-Area 488-1D Inlet Basins* (SRNS-RP-2013-00342, Revision 1.1, July 2014) (clean copy and redline pages), and SRS' responses to the regulatory comments on the Revision 1 Redline documents on July 28, 2014. The SCDHEC and EPA approved the Revision 1.1 documents in their letters dated August 25, 2014 and September 2, 2014, respectively.

Ms. Susan B. Fulmer
Mr. Jon Richards

3

NOV 20 2017

The *Removal Site Evaluation Report (RSER) for the D-Area Ash Basin (488-2D) (U)* (SRNS-RP-2013-00825, Revision 0, January 2014) and Draft Action Memorandum were submitted to the SCDHEC and EPA on February 3, 2014. The SCDHEC and EPA provided comments on the submittal in their letters dated March 5, 2014 and March 12, 2014, respectively. The RSER (Revision 1 Redline), Revised Draft Action Memorandum, and SRS' responses to the regulatory comments on the Revision 0 document were submitted to the SCDHEC and EPA on September 15, 2014. Based on discussions among DOE, EPA, and SCDHEC on July 16, 2014, the submittal of the Revision 1 RSER meets the FFA milestone for the submittal of the D-Area Ash Basin (488-2D) Revision 0 RSER/EE/CA (FFA milestone/submittal date: February 26, 2015). Likewise, the submittal of the final 488-2D Ash Basin Action Memorandum and the removal action start associated with the 488-2D time critical removal action will constitute early completion of the 488-2D FFA milestones. The SCDHEC conditionally approved and the EPA approved the Revision 1 Redline RSER in their letters dated October 14, 2014 and October 20, 2014, respectively. DOE submitted the *Action Memorandum for the Time Critical Removal Action for the D-Area Ash Basin (488-2D) and the Removal Site Evaluation Report for the D-Area Ash Basin (488-2D)* (SRNS-RP-2013-00825, Revision 1, September 2014) CERCLIS Number: 63 on October 28, 2014 (IACD-15-101). This version of the RSER incorporated the items from the SCDHEC conditional approval letter for the Redline Revision 1 RSER. The Action Memorandum was public noticed on November 11, 2014. The DOE submitted the *Notification of the Removal Action Start Date for the D-Area Ash Basin (488-2D)* CERCLIS Number: 63 on October 28, 2014 (IACD-15-102). The submittal letter stated that the removal action start for the 488-2D Ash Basin was met on October 14, 2014, ahead of the FFA milestone date of October 1, 2015. The removal action start was met with the land survey of the ash basin to determine the extent and quantity of ash and to establish the excavation zone for the removal action.

The *Field Sampling Plan for the 488-2D Ash Basin* (SRNS-RP-2014-00442, Revision 0, September 2014) was submitted to the SCDHEC and EPA on September 15, 2014. The EPA and SCDHEC provided comments on the Revision 0 FSP in their letters dated October 14, 2014 and October 20, 2014, respectively. The DOE submitted the *Field Sampling Plan for the 488-2D Ash Basin* (SRNS-RP-2014-00442, Revision 1, January 2015) (Clean and Redline Copies) and the *Savannah River Site's Responses to the Regulatory Comments on the Revision 0 Document*, CERCLIS Number: 63 on January 15, 2015 (IACD-15-124). The SCDHEC and EPA approved the Revision 1 FSP in their letters dated February 13, 2015 and February 23, 2015, respectively.

The *Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) for the D-Area Ash Landfill (488-4D) (U)* (SRNS-RP-2014-00001, Revision 0, February 2014) was submitted to the SCDHEC and EPA on February 25, 2014. The SCDHEC and EPA provided comments on the Revision 0 RSER/EE/CA on April 23, 2014 and April 30, 2014, respectively. On May 30, 2014, the SCDHEC provided two additional comments that were inadvertently omitted from their April 23, 2014 letter. The *Removal Site Evaluation Report/Engineering Evaluation/Cost*

Ms. Susan B. Fulmer
Mr. Jon Richards

NOV 20 2017

4

Analysis (RSER/EE/CA) for the D-Area Ash Landfill (488-4D) (U) (SRNS-RP-2014-00001, Revision 1, June 2014) (clean copy), SRS' responses to the regulatory comments on the Revision 0 document, and Draft Action Memorandum were submitted to the SCDHEC and EPA on June 12, 2014 (ACP-14-164). EPA's conditional approval of the RSER/EE/CA (SRNS-RP-2014-00001, Revision 1, June 2014) was received on July 14, 2014.

The Revision 1 RSER/EE/CA was made available for public review and comment from June 24, 2014 to July 24, 2014. On August 11, 2014, the DOE submitted the *Action Memorandum and Responsiveness Summary for the Non-Time Critical Removal Action for the D-Area Ash Landfill (488-4D) CERCLIS Number: 63* (ACP-14-181) to the EPA and SCDHEC. Comments that were received during the Revision 1 RSER/EE/CA public comment period were addressed in the responsiveness summary. The Action Memorandum and Responsiveness Summary were public noticed on August 20, 2014. The removal action start for the D-Area Ash Landfill (488-4D) was met on September 2, 2014 (ahead of the FFA milestone date of October 1, 2014) with the abandonment of the approved groundwater monitoring wells located within the facility boundary (IACD-14-189, dated September 9, 2014).

The *Removal Action Design Plan (RADP) for the 488-4D Ash Landfill and 488-2D Ash Basin (U)* (SRNS-RP-2014-00459, Revision 0, June 2014) was submitted to the SCDHEC and EPA on June 18, 2014. The SCDHEC and EPA provided comments on the Revision 0 RADP in their respective letters dated July 18, 2014. The DOE submitted the *Removal Action Design Plan (RADP) for the 488-4D Ash Landfill and 488-2D Ash Basin (SRNS-RP-2014-00459, Revision 1 Redline, December 2014)*, *Savannah River Site's Responses to the Regulatory Comments on the Revision 0 RADP*, *the White Paper on the Hydrologic Evaluation of Landfill Performance (HELP) Model Evaluation for the 488-4D Ash Landfill Cover System (ERD-EN-2014-0049, Revision 0, December 2014)*, and *the White Paper on the Source of Groundwater Contamination and the Hydrologic Separation Study for the D-Area Ash Basins and Ash Landfill (ERD-EN-2014-0025, Revision 0, August 2014) CERCLIS Number: 63* on December 18, 2014 (IACD-15-114). The SCDHEC and EPA provided comments on the Revision 1 Redline RADP and the White Paper on the Source of Groundwater Contamination and the Hydrologic Separation Study for the D-Area Ash Basins and Ash Landfill (ERD-EN-2014-0025, Revision 0, August 2014) in their letters dated January 15, 2015 and January 20, 2015, respectively. The SCDHEC provided comments on the White Paper on the HELP Model Evaluation for the 488-4D Ash Landfill Cover System (ERD-EN-2014-0049, Revision 0, December 2014) in their letter dated January 15, 2015. The EPA found the document acceptable and had no comment in their letter dated January 20, 2015.

The DOE submitted the *Removal Action Design Plan (RADP) for the 488-4D Ash Landfill and 488-2D Ash Basin (SRNS-RP-2014-00459, Revision 1.1, March 2015)* (Redline Pages and Professional Engineer Stamped Copy), *Savannah River Site (SRS) Responses to the Regulatory Comments on the Revision 1 RADP*, *SRS Responses to the Regulatory Comments on the White Paper on the Hydrologic Evaluation of Landfill Performance (HELP) Model Evaluation for the 488-4D Ash Landfill Cover System (ERD-EN-2014-0049, Revision 0, December 2014)*, and *SRS Responses to the*

Ms. Susan B. Fulmer
Mr. Jon Richards

5

NOV 20 2017

Regulatory Comments on the White Paper on the Source of Groundwater Contamination and the Hydrologic Separation Study for the D-Area Ash Basins and Ash Landfill (ERD-EN-2014-0025, Revision 0, August 2014) CERCLIS Number: 63 on April 1, 2015 (IACD-15-136). The SCDHEC and EPA approved the Revision 1 RADP in their letters dated April 29, 2015 and May 10, 2015, respectively. The SCDHEC and EPA approved the SRS Responses to the Regulatory Comments on the White Paper documents in their letters dated April 29, 2015 and May 6, 2015, respectively.

The DOE submitted the *Human Health and Ecological Evaluation for Confirmation Sampling at the 488-2D Ash Basin (ERD-EN-2015-0053, Revision 0, January 2016) and Notification of the Completion of Construction Activities for the Time Critical Removal Action for the D-Area Ash Basin (488-2D) CERCLIS Number: 63* on January 12, 2016 (IACD-16-116). The SCDHEC submitted comments in their letter dated February 11, 2016. The EPA submitted a thirty (30) day extension notification in their letter dated March 4, 2016. The EPA submitted comments in their letter dated March 9, 2016. The DOE submitted the *Human Health and Ecological Evaluation for Confirmation Sampling at the 488-2D Ash Basin (ERD-EN-2015-0053, Revision 1, October 2016) (Redline and Clean Copies) and Savannah River Site's Responses to Regulatory Comments on the Revision 0 Document, CERCLIS Number: 63* on October 26, 2016 (IACD-17-105). The SCDHEC and EPA approved the report in their letters dated November 21, 2016 and January 22, 2017, respectively.

The closure activities for the D-Area Ash Basin (488-2D) and D-Area Ash Landfill (488-4D) were completed on September 22, 2016 and August 31, 2016, respectively. SRS, DOE, EPA, and SCDHEC personnel participated in a walk down on November 3, 2016 to observe the completion of the activities at the D-Area Ash Basin (488-2D) and D-Area Ash Landfill (488-4D) (IACD-17-111, dated November 22, 2016). Upon conclusion of the removal action activities at these units, a single Removal Action Report (RAR) that summarizes the work on both units was prepared and submitted to the SCDHEC and EPA. The DOE submitted the *Removal Action Report for the 488-2D Ash Basin and 488-4D Ash Landfill (U) (SRNS-RP-2017-00057, Revision 0, March 2017) CERCLIS Number: 63* on March 30, 2017 (IACD-17-127). The SCDHEC and EPA provided comments in their letters dated May 25, 2017 and June 13, 2017, respectively. The RAR is currently scheduled for finalization in FY2018.

The DOE submitted the *Field Sampling Plan for the 489-D Coal Pile Runoff Basin (U) (SRNS-RP-2014-01048, Revision 0, February 2015)* for SCDHEC and EPA review and comment on February 18, 2015 (IACD-15-128). The SCDHEC and EPA provided comments on the Revision 0 document in their letters dated March 19, 2015 and April 1, 2015, respectively. The DOE submitted the *Field Sampling Plan for the 489-D Coal Pile Runoff Basin (U) (SRNS-RP-2014-01048, Revision 1, May 2015) (Redline Pages and Clean Copy) and the Savannah River Site's Responses to the Regulatory Comments on the Revision 0 Document* for SCDHEC and EPA review and approval on April 27, 2015 (IACD-15-140). The SCDHEC and EPA approved the Revision 1 FSP in their letters dated May 27, 2015 and June 7, 2015, respectively.

Ms. Susan B. Fulmer
Mr. Jon Richards

6

NOV 20 2017

Based on decisions reached among the DOE, SCDHEC, and EPA during a January 6, 2015 conference call to discuss the regulatory documents associated with the closure of the remaining 75% of the 489-D CPRB, the DOE submitted the *Request to Revise the D-Area Coal Pile Runoff Basin (489-D) Removal Action Federal Facility Agreement Milestones, CERCLIS Number: 63* (IACD-15-125, dated January 15, 2015). The SCDHEC and EPA approved the request in their letters dated January 23, 2015 and February 5, 2015, respectively. These approvals included the deletion of the submittal of the Revision 1 RSER/EE/CA from the FFA and an agreement that only the submittal of the Revised Action Memorandum and a Removal Action Start milestone are necessary to address the remaining portion of the 489-D CPRB (Southern 75%). The DOE submitted a *Draft Revision 3 Action Memorandum for the Non-Time Critical Removal Action for the D-Area Coal Pile Runoff Basin (489-D) CERCLIS Number: 63* (IACD-15-138, dated April 6, 2015) to the SCDHEC and EPA for their review and comment. The SCDHEC provided comments on the Draft Action Memorandum in their letter dated May 4, 2015. The EPA submitted a 30-day extension notification for the submittal of their comments in their letter dated May 7, 2015. The EPA provided comments on the Draft Action Memorandum in their letter dated June 2, 2015. The DOE submitted responses to the regulatory comments on the Draft Action Memorandum on June 30, 2015 (IACD-15-160). The final *Revision 3 Action Memorandum for the Non-Time Critical Removal Action for the D-Area Coal Pile Runoff Basin (489-D), CERCLIS Number: 63* (IACD-15-168) was submitted to the SCDHEC and EPA on August 11, 2015 (IACD-15-168). The Revision 3 Action Memorandum was public noticed on August 31, 2015. The DOE submitted the *Notification of the Removal Action Start Date for the D-Area Coal Pile Runoff Basin (489-D) CERCLIS Number: 63* on September 15, 2015 (IACD-15-176). The submittal letter stated that the removal action start for the 489-D CPRB was met on September 10, 2015, ahead of the FFA milestone date of September 28, 2015. The removal action start date was met with the initiation of the site land-survey of the 489-D CPRB.

The DOE submitted the *Field Sampling Plan for the 488-1D Ash Basin (U)* (SRNS-RP-2015-00096, Revision 0, May 2015) for SCDHEC and EPA review and comment on May 27, 2015 (IACD-15-150). The SCDHEC and EPA provided comments on the Revision 0 document in their letters dated June 25, 2015 and July 7, 2015, respectively. The DOE submitted the *Field Sampling Plan for the 488-1D Ash Basin (U)* (SRNS-RP-2015-00096, Revision 1, December 2015) (Redline and Clean Copies) and the SRS' responses to the regulatory comments on the Revision 0 document on December 21, 2015 (IACD-16-111). The SCDHEC conditionally approved the Revision 1 Redline document in their letter dated January 19, 2016. The EPA approved the Revision 1 document in their letter dated February 5, 2016. The DOE submitted the SRS' response to the SCDHEC's conditional approval comment on February 25, 2016 (IACD-16-123). The SCDHEC approved the SRS' response in their letter dated March 25, 2016.

Ms. Susan B. Fulmer
Mr. Jon Richards

7

NOV 20 2017

The DOE submitted the *Removal Action Design Plan (RADP) for the 488-1D Ash Basin and the 489-D Coal Pile Runoff Basin (SRNS-RP-2015-00196, Revision 0, November 2015) CERCLIS Number: 63* on November 15, 2015 (IACD-16-105). The SCDHEC's and EPA's comments on the Revision 0 RADP were documented in their letters dated December 22, 2015 and January 21, 2016, respectively. The DOE submitted the *Removal Action Design Plan (RADP) for the 488-1D Ash Basin and the 489-D Coal Pile Runoff Basin (SRNS-RP-2015-00196, Revision 1 Redline, May 2016) and the Savannah River Site's Responses to the Regulatory Comments on the Revision 0 Document, CERCLIS Number: 63* on May 23, 2016 (IACD-16-139). The SCDHEC and EPA conditionally approved the Redline Revision 1 document in their letters dated June 7, 2016 and June 26, 2016. The DOE submitted the *Professional Engineer (PE) Stamped Removal Action Design Plan (RADP) for the 488-1D Ash Basin and 489-D Coal Pile Runoff Basin (U) (SRNS-RP-2015-00196, Revision 1, May 2016) CERCLIS Number: 63* on July 18, 2016 (IACD-16-152). The July 18, 2016 submittal included the responses to the SCDHEC's and EPA's conditional approval comments. On September 14, 2017, the DOE submitted a *Minor Design Change to the Removal Action Design Plan (RADP) for the 488-1D Ash Basin and 489-D Coal Pile Runoff Basin (U) (SRNS-RP-2015-00196, Revision 1, May 2016) CERCLIS Number: 63* (IACD-17-159). The minor design change included a MicroDrain® Option as part of the 488-1D Ash Basin cover system in lieu of the Geosynthetic Clay Liner/Geosynthetic Drainage Layer (GCL/GDL) cover system specified in the RADP. The MicroDrain® Option equals (or exceeds) the performance of the GCL/GDL cover system. The SCDHEC-Solid Waste Permitting Section determined that the design of the landfill cap meets the requirements of a Class 3 Landfill per the regulations (see ARF-021290, dated October 18, 2017).

The DOE submitted the *Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) for the D-Area Ash Basin (488-1D) (SRNS-RP-2015-00490, Revision 0, February 2016) CERCLIS Number: 63* on February 24, 2016 (IACD-16-124). The SCDHEC and EPA provided comments on the Revision 1 RSER/EE/CA in their letters dated April 21, 2016 and April 25, 2016, respectively. The DOE submitted the *Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) for the D-Area Ash Basin (488-1D) (SRNS-RP-2015-00490, Revision 1, June 2016) (Clean Copy), Savannah River Site's Responses to Regulatory Comments on the Revision 0 Document, and Draft Action Memorandum, CERCLIS Number: 63* on June 8, 2016 (IACD-16-144). The 30-day public comment period for the RSER/EE/CA began on June 15, 2016 and ended on July 14, 2016. The SRS received comments from two members of the public during the public comment period.

The SCDHEC and EPA provided comments on the draft Action Memorandum in their letters dated July 11, 2016 and July 20, 2016, respectively. The DOE submitted responses to the regulatory comments on the draft Action Memorandum on August 3, 2016 (IACD-16-158). The DOE submitted the final *Action Memorandum and Responsiveness Summary for the Non-Time Critical Action for the D-Area Ash Basin (488-1D), CERCLIS Number: 63* on August 17, 2016 (IACD-16-160). The comments received during the public comment period were addressed in the Responsiveness Summary. The Action Memorandum and Responsiveness Summary were public noticed on August 31, 2016.

Ms. Susan B. Fulmer
Mr. Jon Richards

NOV 20 2017

8

The DOE submitted the *Notification of the Removal Action Start Date for the D-Area Ash Basin (488-1D) CERCLIS Number: 63* on September 19, 2016 (IACD-16-167). The submittal letter stated that the removal action start for the 488-1D Ash Basin was met on August 24, 2016, ahead of the FFA milestone date of October 3, 2016. The removal action start was met with the subcontractor's initiation of site development of the new D-Area borrow pit. The new borrow pit will be the primary source of common fill and topsoil required for the construction of the D-Area Ash Basin (488-1D) cover system.

On February 7, 2017, the SRS submitted a request to SCDHEC to use the 488-1D Inlet Basins storm water for the irrigation of the 488-4D Ash Landfill and 488-D Ash Basin covers until an alternate solution for longer term water management is agreed upon (see ARF-020982). On February 16, 2017, the SCDHEC provided approval to proceed with the irrigation through August 15, 2017, with some additional requirements (see ARF-020979). On July 17, 2017, DOE requested SCDHEC concurrence to continue utilization of the 488-1D Inlet Basins storm water for the irrigation of the 488-4D Ash Landfill and 488-D Ash Basin covers through February 2018 in support of the 488-1D Ash Basin removal action (IACD-17-148). On July 20, 2017, SCDHEC granted approval to continue with irrigation through February 28, 2018 (see ARF-021219).

The DOE submitted the *Human Health and Ecological Evaluation for Confirmation Sampling at the 489-D Coal Pile Runoff Basin (ERD-EN-2017-0027, Revision 0, April 2017) CERCLIS Number: 63* on April 26, 2017 (IACD-17-135). The SCDHEC and EPA submitted comments in their letters dated June 22, 2017 and July 24, 2017, respectively. The *Human Health and Ecological Evaluation for Confirmation Sampling at the 489-D Coal Pile Runoff Basin (ERD-EN-2017-0027)* will be finalized in FY2018.

The closure completion for the D-Area Ash Basin (488-1D) and D-Area CPRB (489-D) (Southern 75%) is currently scheduled for FY2019. Upon conclusion of the removal action activities at these units, a single RAR that summarizes the work on both units will be prepared and submitted to the SCDHEC and EPA. The RAR is currently scheduled for submittal during the fourth quarter of FY2019.

- **C Area Groundwater Operable Unit (CAGW OU), CERCLIS Number 82:** This unit is listed on Appendix C of the FFA for the SRS.

On September 28, 2017, the DOE submitted the *Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) for C-Area Groundwater Operable Unit (SRNS-RP-2017-00365, Revision 0, September 2017) and the Scoping Summary for the C-Area Groundwater Operable Unit (ERD-EN-2001-0146, July 2017) CERCLIS Number: 82* (IACD-17-160) for regulatory review and comment. The RSER/EE/CA is scheduled to be finalized in FY2018.

Ms. Susan B. Fulmer
Mr. Jon Richards

9

NOV 20 2017

There were twelve (12) maintenance activities initiated within Site Evaluation and RCRA/CERCLA Areas in FY2017. There were thirteen (13) maintenance activities carried over from previous years. Of the twenty-five (25) activities identified in this report, nine (9) have been completed; twelve (12) are in progress, in design, or planning phases, four (4) have been placed on hold and zero (0) were cancelled.

All but one of the operation and maintenance (O&M) activities were minor activities. The major maintenance activity O&M 12-019 (Incorporation of Additional Ash in the 288-F Ash Basin Landfill) is currently in progress.

The effort and time that the EPA and SCDHEC have given on the operable units and information discussed in this letter 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-18-107

cc:

G. K. Taylor, SCDHEC – Columbia
D. Scaturro, SCDHEC - Columbia
S. French, SCDHEC - Columbia
M. D. Wilson, SCDHEC - Columbia
T. Fuss, SCDHEC – Aiken Environmental Affairs Office
D. Lloyd, EPA - Atlanta
R. H. Pope, EPA - Atlanta
J. Tufts, EPA - Atlanta

Ms. Susan Fulmer
Mr. Jon Richards

10

NOV 20 2017

Table 1. Fiscal Year 2017 Maintenance Activity Summary

<u>O&M Plan #</u>	<u>Description</u>	<u>O&M Manual ID #</u>
-----------------------	--------------------	----------------------------

Completed Activities

17-001	Repair Domestic Water Leak East of 720-H	531
17-002	Repair Domestic Water Leak North of Building 284-19H	549, 591
17-003	Repair Domestic Water Leak South of 717-F near FTF Fence	283, 563
17-004	Excavate Sinkhole at Stormwater Sewer Drain Manhole 16 behind L-Area Reactor	303, 479, 560
17-005	K-Area Reliable Power Project Pole installation	476
17-006	Spent Material Clean-up in the 725-1N Abrasive Blasting Operations Area	354
17-007	Domestic Water Line Leak Repair near 607-19F	563
16-010	Repair Sinkhole on the Northwest Corner of Building 222-H P1A Sink Hole	142
16-011	Repair Sinkhole on the Northwest Corner of Building 222-H P1A Sink Hole	142

Ms. Susan Fulmer
Mr. Jon Richards

11

NOV 20 2017

Table 1. Fiscal Year 2017 Maintenance Activity Summary (Continued/End)

<u>O&M Plan #</u>	<u>Description</u>	<u>O&M Manual ID #</u>
<u>In Process/Hold/Cancelled Activities</u>		
07-009*	L Area Disassembly Basin and Sand Filter Supply and Return Line Replacement	303, 479
08-008	Excavate and Backfill for Tank 10 Chromate Leak Under Work Order 00695186, H Tank Farm	262, WHM-006
10-016*	299-H Limited Area Security Fence Modification	SPH-002, CMH-002
12-011	WO 1176996 – Excavation to Support Design of New Footers for Tank 24 at H Tank Farm	WMN-003
12-019	Incorporation of Additional Ash in the 288-F Ash Basin Landfill	276
14-012*	Laydown Pad Installation Outside L Area Inner Fence ¹	479, 560
14-014	Excavate and Isolate the Transfer Line from Tank 12 to HBD2 in H Tank Farm	262, WHN-006
16-004	Repair Steam Condensate Leaks West of Tanks 25/26	283
16-005	Relocate Plant Air to Above Ground Location	262
16-008*	Replace PIV 2111	591
16-009	Install Additional Shielding Tank 21 S Riser	WMH-003, WMH-005
17-008	TK3-7 Excavate to Repair Underground Transfer Line	N/A
17-009	F-Area Utility Pole Treatment Project	308
17-010	Excavation Activities to Investigate, Identify and Repair Water Intrusion into LAD/HAD Cells C&D, 772-F Courtyard	SPF-008, 563
17-011	Replacement of Two Post Indicator Valves (PIVs) near 281-2H	294, 295, 549, 591
17-012	Repair Domestic Water Line Southeast of 281-2H	294, 295, 549, 591

*On Hold

N/A – Not Applicable

¹ In previous reports, the description for O&M Plan #14-012 had inadvertently been listed as L Area Cask Car Railroad Tracks as Abandoned, which is the name for O&M Manual ID #479. The description was corrected in this year's report.