



U.S. DEPARTMENT OF  
**ENERGY**

Savannah River Site

*A presentation to the  
SRS Citizen's Advisory Board  
Full Board Meeting*

# **FY 2009 Appendix E Area Completion Plan**

**Presentation By**

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# Acronyms

<b>ACP</b>	<b>Area Completion Projects</b>
<b>CERCLIS</b>	<b>Comprehensive Environmental Response, Compensation, and Liability Information System</b>
<b>DOE</b>	<b>Department of Energy</b>
<b>ECODS</b>	<b>Early Construction and Operational Disposal Sites</b>
<b>EPA</b>	<b>Environmental Protection Agency Region 4</b>
<b>FFA</b>	<b>Federal Facility Agreement</b>
<b>FY</b>	<b>Fiscal Year</b>
<b>NA</b>	<b>Not Applicable</b>
<b>NBN</b>	<b>No Building Number</b>
<b>OU</b>	<b>Operable Unit</b>
<b>RA</b>	<b>Remedial Action</b>
<b>RCRA/CERCLA</b>	<b>Resource Conservation and Recovery Act / Comprehensive Environmental Response, Compensation, and Liability Act</b>
<b>ROD</b>	<b>Record of Decision</b>
<b>SCDHEC</b>	<b>South Carolina Department of Health and Environmental Control</b>
<b>SRS</b>	<b>Savannah River Site</b>





## FFA Appendix E

- **Provides a lifecycle list of cleanup milestones for SRS waste units**
  - **Made up of Appendices E.1, E.2, and E.3**
    - Appendices E.1 and E.2 contain enforceable milestones
    - Appendix E.1 milestones are for the next fiscal year; E.2 milestones are for FY+2
    - Appendix E.3 contains planning milestones for FY+3 and beyond
- **DOE updates Appendix E annually and submits to SCDHEC and EPA in November for approval**
- **Annual update starts with current approved milestones, with adjustments to reflect:**
  - **Site mission schedules and ACP implementation schedules**
  - **Regulator approved schedule changes**





## FY 2009 Appendix E and Recovery Act

- DOE, EPA, and SCDHEC have agreed that Appendix E will show the “baseline” commitments—the commitments that were established *prior* to Recovery Act
- Recovery Act will accelerate the completion of some of them
- No changes to this Appendix E will result from the Recovery Act
- As of April 8, 2009, all work to accomplish the FFA milestones, with the exception of the Liquid Waste Tanks, will be funded from the Recovery Act through September 30, 2011





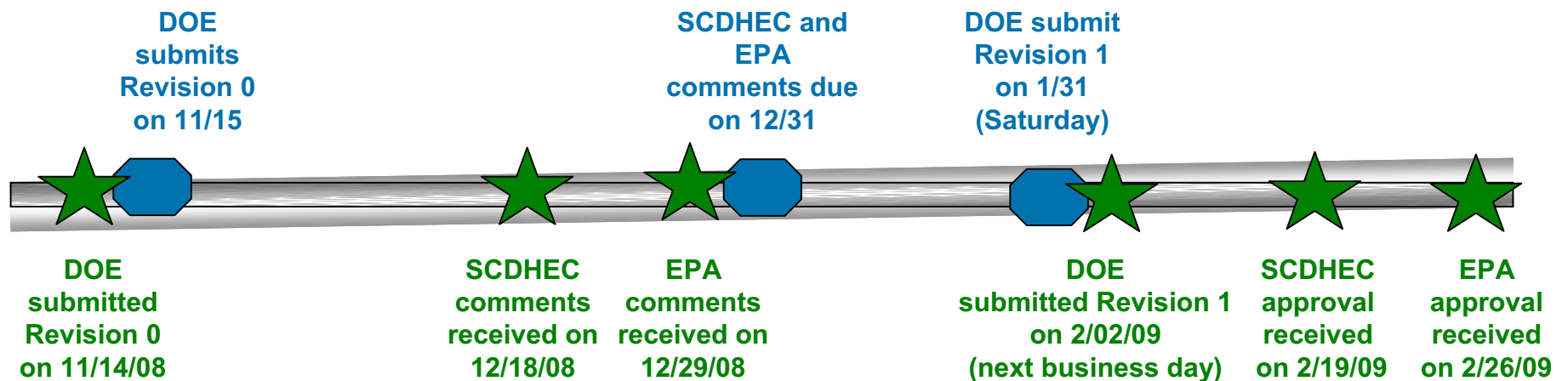
# FFA Appendix E Schedule



Typical Appendix E  
dates (per FFA)



Actual FY 2009  
Appendix E dates



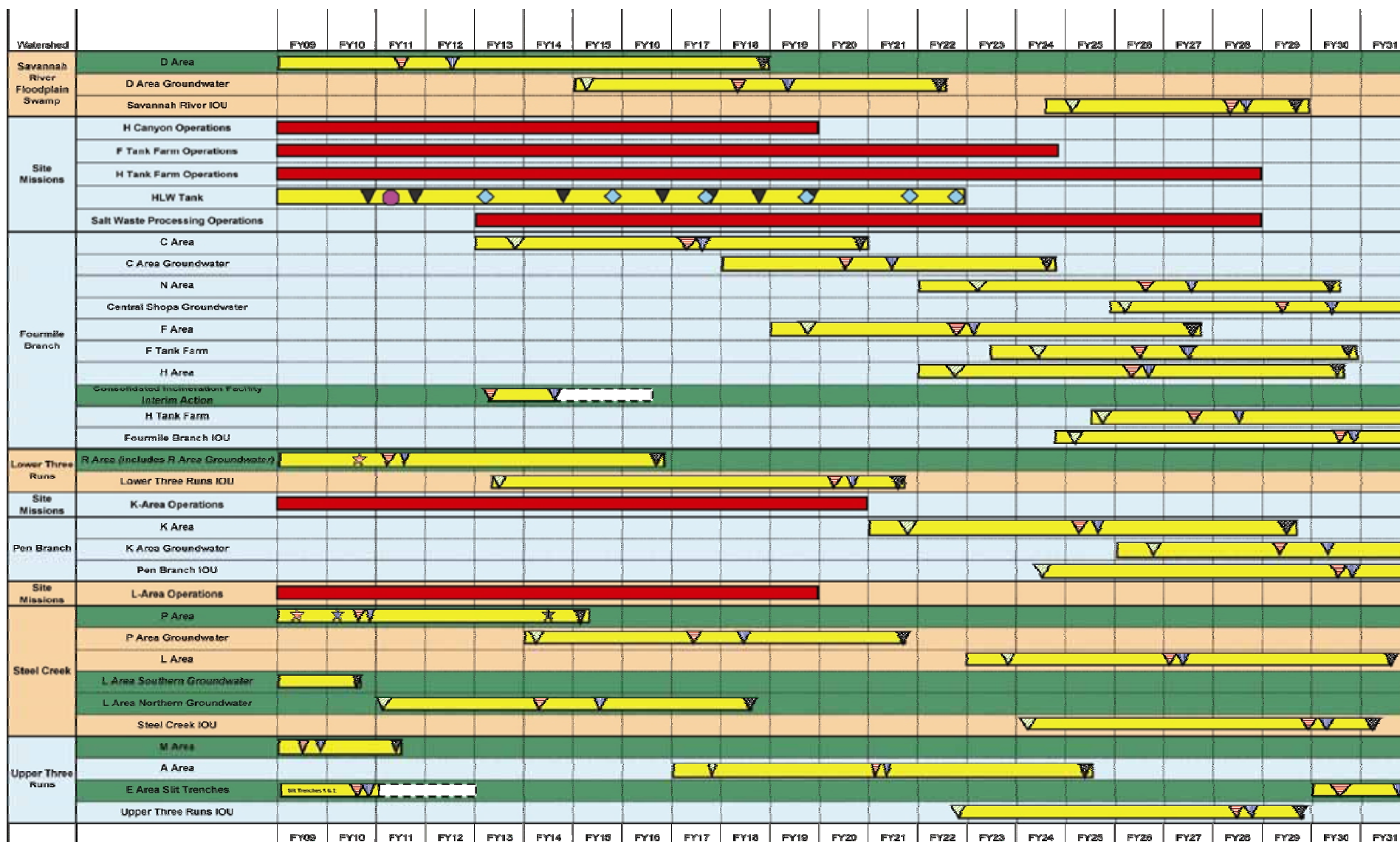


## FY 2009 FFA Appendix E - Major Changes

- **Levelized project execution work to even out resource needs**
  - Adjusted milestones for C Area OU, A Area OU, F Area OU (out); and ECODS B-3 and B-5 (in)
- **Deleted entries from Appendix E.3 where Field Starts, Records of Decisions, and Remedial Action Starts were completed**
- **Added milestones for the annual submittal of Appendix H, “RCRA Regulated Units”**
- **Added milestones for the C-, K-, L-, and R-Reactor Complexes Early Action documents (ROD, Land Use Control Implementation Plan, and RA Start)**



# SRS Closure Plan



## Legend

- FY09 Appendix E Rev. 1
- Other Site Missions
- Actual Duration Unknown
- Recovery Act Funded Projects through September 30, 2011

- ▼ Field Start
- ▼ Issue ROD
- ▼ RA Start
- ▼ Rev. 0 PCR Submit
- ▼ HLW Tank Bulk Removal
- ◆ Operational Closure of Tanks
- Performance Assessment
- ★ Reactor Early Action Issue ROD
- ★ Reactor Early Action Remedial Action Start
- ★ Reactor Early Action PCR Submit



# Appendix E.1 (excerpt)

## Revision.1 Appendix E: Fiscal Year 2009 Long-Term Projections E.1: Deliverable Commitment Dates and Milestone Commitment Dates for FY 2010

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 2010 Submittal	10/01/2009
SRS Unit Index Number(s): NA CERCLIS OU Number(s): NA	
Revision.0 Appendix H, RCRA Regulated Units for Fiscal Year 2010 Submittal	10/01/2009
SRS Unit Index Number(s): NA CERCLIS OU Number(s): NA	
Building 420-D, Concentrator Building, Revision.0 Statement of Basis/Proposed Plan (SB/PP) Submittal in Support of the D Area Operable Unit	10/19/2009
SRS Unit Index Number(s): 1214 CERCLIS OU Number(s): 63	
Building 420-2D, Rework Handling Facility, Revision.0 Statement of Basis/Proposed Plan (SB/PP) Submittal in Support of the D Area Operable Unit	10/19/2009
SRS Unit Index Number(s): 1212 CERCLIS OU Number(s): 63	
Building 421-2D, Moderator Handling and Storage, Revision.0 Statement of Basis/Proposed Plan (SB/PP) Submittal in Support of the D Area Operable Unit	10/19/2009
SRS Unit Index Number(s): 1215 CERCLIS OU Number(s): 63	
Building 421-D, Finishing Building, Revision.0 Statement of Basis/Proposed Plan (SB/PP) Submittal in Support of the D Area Operable Unit	10/19/2009
SRS Unit Index Number(s): 1218 CERCLIS OU Number(s): 63	
Building 772-D, Control Laboratory and Supervisor's Office, Revision.0 Statement of Basis/Proposed Plan (SB/PP) Submittal in Support of the D Area Operable Unit	10/19/2009
SRS Unit Index Number(s): 1250 CERCLIS OU Number(s): 63	
D-006 Petroleum Release Site Revision.0 Statement of Basis/Proposed Plan (SB/PP) Submittal in Support of the D Area Operable Unit	10/19/2009
SRS Unit Index Number(s): 570 CERCLIS OU Number(s): 63	
D-Area Coal Pile Runoff Basin (489-D) Revision.0 Statement of Basis/Proposed Plan (SB/PP) Submittal in Support of the D Area Operable Unit	10/19/2009
SRS Unit Index Number(s): 69 CERCLIS OU Number(s): 63	
D-Area Process Sewer Lines as Abandoned (NBN) Revision.0 Statement of Basis/Proposed Plan (SB/PP) Submittal in Support of the D Area Operable Unit	10/19/2009
SRS Unit Index Number(s): 558 CERCLIS OU Number(s): 63	
D-Area Waste Oil Facility (484-10D) Revision.0 Statement of Basis/Proposed Plan (SB/PP) Submittal in Support of the D Area Operable Unit	10/19/2009
SRS Unit Index Number(s): 70 CERCLIS OU Number(s): 63	
D-Area Asbestos Pit (080-20G) Revision.0 Statement of Basis/Proposed Plan (SB/PP) Submittal in Support of the D Area Operable Unit	10/19/2009
SRS Unit Index Number(s): 211 CERCLIS 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.

CERCLIS: The EPA's Comprehensive Environmental Response, Compensation, and Liability Information System



# Appendix E.2 (excerpt)

## Revision.1 Appendix E: Fiscal Year 2009 Long-Term Projections E.2: Deliverable Commitment Dates and Milestone Commitment Dates for FY 2011

<b>Deliverable or Milestone:</b>	<b>Milestone/ Submittal Date (MM/DD/YYYY)</b>
Revision.0 Appendix C, RCRA/CERCLA Unit List, Appendix G, Site Evaluation Areas, and Appendix K, D&D Facilities for Fiscal Year 2011 Submittal	10/01/2010
SRS Unit Index Number(s): NA CERCLIS OU Number(s): NA	
Revision.0 Appendix H, RCRA Regulated Units Facilities for Fiscal Year 2011 Submittal	10/01/2010
SRS Unit Index Number(s): NA CERCLIS OU Number(s): NA	
<b>Combined Spills North of Building 105-R (NBN) Issue Record of Decision (ROD) in support of the R Area Operable Unit</b>	10/26/2010
SRS Unit Index Number(s): 517 CERCLIS OU Number(s): 95	
<b>Potential Release from R-Area Disassembly Basin (NBN) Issue Record of Decision (ROD) in support of the R Area Operable Unit</b>	10/26/2010
SRS Unit Index Number(s): 330 CERCLIS OU Number(s): 95	
<b>Potential Release of NaOH/H<sub>2</sub>SO<sub>4</sub> from 183-2R (NBN) Issue Record of Decision (ROD) in support of the R Area Operable Unit</b>	10/26/2010
SRS Unit Index Number(s): 324 CERCLIS OU Number(s): 95	
<b>R-Area Process Sewer Lines as Abandoned (NBN) Issue Record of Decision (ROD) in support of the R Area Operable Unit</b>	10/26/2010
SRS Unit Index Number(s): 556 CERCLIS OU Number(s): 95	
<b>R-Area Reactor Area Cask Car Railroad Tracks as Abandoned (NBN) Issue Record of Decision (ROD) in support of the R Area Operable Unit</b>	10/26/2010
SRS Unit Index Number(s): 478 CERCLIS OU Number(s): 95	
<b>Area on North Side of Building 105-R (NBN), Laydown Area North of 105-R (NBN), and Release from the Decontamination of R-Area Reactor Disassembly Basin (NBN) Issue Record of Decision (ROD) in support of the R Area Operable Unit</b>	10/26/2010
SRS Unit Index Number(s): 231 233 513 CERCLIS OU Number(s): 95	
<b>Cooling Water Effluent Sump (107-R) Issue Record of Decision (ROD) in support of the R Area Operable Unit</b>	10/26/2010
SRS Unit Index Number(s): 271 CERCLIS OU Number(s): 95	
<b>Building 109-R, Purge Water Storage Basin Issue Record of Decision (ROD) in Support of the R Area Operable Unit</b>	10/26/2010
SRS Unit Index Number(s): 1924 CERCLIS OU Number(s): 95	
<b>Building 122-R, Process Storage Building Issue Record of Decision (ROD) in support of the R Area Operable Unit</b>	10/26/2010
SRS Unit Index Number(s): 1925 CERCLIS OU Number(s): 95	
<b>Building 105-R, Reactor Building, Issue Record of Decision (ROD) in support of the R Area Operable Unit</b>	10/26/2010
SRS Unit Index Number(s): 1921 CERCLIS OU Number(s): 95	

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.

CERCLIS: The EPA's Comprehensive Environmental Response, Compensation, and Liability Information System

# Appendix E.3 (excerpt)

Revision.1 Appendix E: Fiscal Year 2009 Long-Term Projections  
E.3: Field Start, ROD Issuance and RA Start Dates (including Fiscal Year 2012+)  
Sorted in order of Watershed, Category, and Unit Name

Watershed	Category (Integrator Operable Unit, Units and D&D Facilities (or Remnants) Assigned to an Area Operable Unit, RCRA/CERCLA Units or FFA Facility Closures, or Site Evaluation Areas)	Site Evaluation Report Submittal Date or Field Start	ROD Issuance	RA Start or Tank Dates
	Area Operable Unit or Integrator Operable Unit Name Unit Name			
	ECODS C-1 (Near C-Area Reactor Discharge Canal) (NBN)	SEP 2013	OCT 2016	JAN 2017
	SRS Index Number(s): 522 CERCLIS OU Number(s): 79			
	Potential Release from C-Area Disassembly Basin (NBN)	SEP 2013	OCT 2016	JAN 2017
	SRS Index Number(s): 240 CERCLIS OU Number(s): 79			
	Potential Release from C-Area Reactor Cooling Water System (186/190-C)	SEP 2013	OCT 2016	JAN 2017
	SRS Index Number(s): 242 CERCLIS OU Number(s): 79			
	Building 717-C, Contaminated Maintenance Facility	SEP 2013	OCT 2016	JAN 2017
	SRS Index Number(s): 1201 CERCLIS OU Number(s): 79			
	Building 108-3C, Fuel Unloading Facilities Power - Area Supv <sup>1</sup>	SEP 2013	OCT 2016	JAN 2017
	SRS Index Number(s): 2237 CERCLIS OU Number(s): 79			
	Building 904-89G, Retention Basin for 100-C Containment <sup>1</sup>	SEP 2013	OCT 2016	JAN 2017
	SRS Index Number(s): 2240 CERCLIS OU Number(s): 79			
	C-Reactor Complex Early Action <sup>2</sup>		MAY 2010	DEC 2010
	SRS Index Number(s): 577 CERCLIS OU Number(s): 79			
	F Area Operable Unit SRS Index Number: 579 CERCLIS OU Number: 88	SEP 2019	OCT 2022	JAN 2023
	Combined Spills from 221-F (NBN)	SEP 2019	OCT 2022	JAN 2023
	SRS Index Number(s): 485 CERCLIS OU Number(s): 88			
	F-Area Inactive Process Sewer Lines from Building to the Security Fence (081-1F)	SEP 2019	OCT 2022	JAN 2023
	SRS Index Number(s): 141 CERCLIS OU Number(s): 88			
	F-Area Process Sewer Lines as Abandoned (NBN)	SEP 2019	OCT 2022	JAN 2023
	SRS Index Number(s): 563 CERCLIS OU Number(s): 88			
	Low Level Radioactive Drain Lines from F-Area Laboratory F-Area Laboratory High Activity Tanks C and D (772-F and -1F)	SEP 2019	OCT 2022	JAN 2023
	SRS Index Number(s): 308 CERCLIS OU Number(s): 88			
	Sandblast Area CMF-001 (NBN)	SEP 2019	OCT 2022	JAN 2023
	SRS Index Number(s): 343 CERCLIS OU Number(s): 88			



## Summary

**THE FY 2009 FFA APPENDIX E IS AVAILABLE ONLINE AT:**

**<http://www.srs.gov/general/programs/soil/ffa/ffa.html>**

- **Accesses the Savannah River Site Area Completion Projects Federal Facility Agreement and supporting documentation pages**
- **Click on Federal Facility Agreement for the pdf version of the document**

**<http://www.srs.gov/general/programs/soil/ffa/ffa.pdf>**

- **Accesses the pdf version of the Federal Facility Agreement**

**THE RECOVERY ACT INFORMATION IS AVAILABLE ONLINE AT:**

**[www.srs.gov/recovery](http://www.srs.gov/recovery)**





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# Questions and Answers

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