



U.S. DEPARTMENT OF
ENERGY



Federal Facility Agreement Appendix E Projected Changes

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Savannah River Site Citizens Advisory Board

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enterprise·srs

- *Provide information discussed in response to Citizens Advisory Board Recommendation #279, Federal Facility Agreement (FFA) Update Provided Annually*
 - Existing FY 2013 Appendix E Update
 - Anticipated Effects to FY 2014 Appendix E Submittal
- *Meet Citizens Advisory Board Facilities Disposition and Site Remediation Committee Annual Work Plan Commitment*

Federal Facility Agreement (FFA)

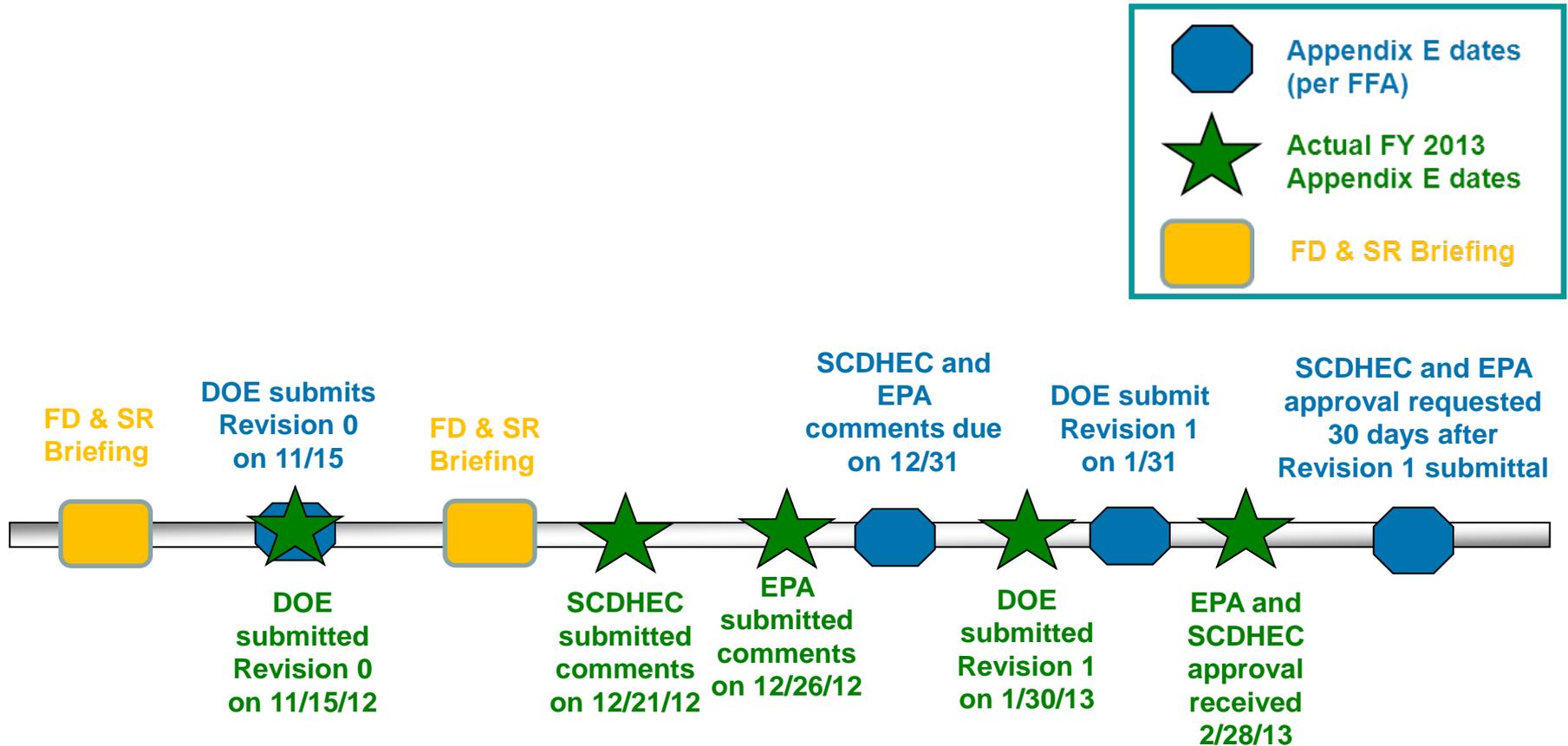
- *Established August 1993*
 - A legally binding agreement among DOE, EPA, and SCDHEC governing the comprehensive cleanup of the SRS
 - Includes administrative requirements, enforceable schedules, and milestones for actions and documents
 - Includes requirements for Removal from Service of some Liquid Waste tanks
 - Spells out authorities and responsibilities of the three agencies, and procedures for resolving disputes



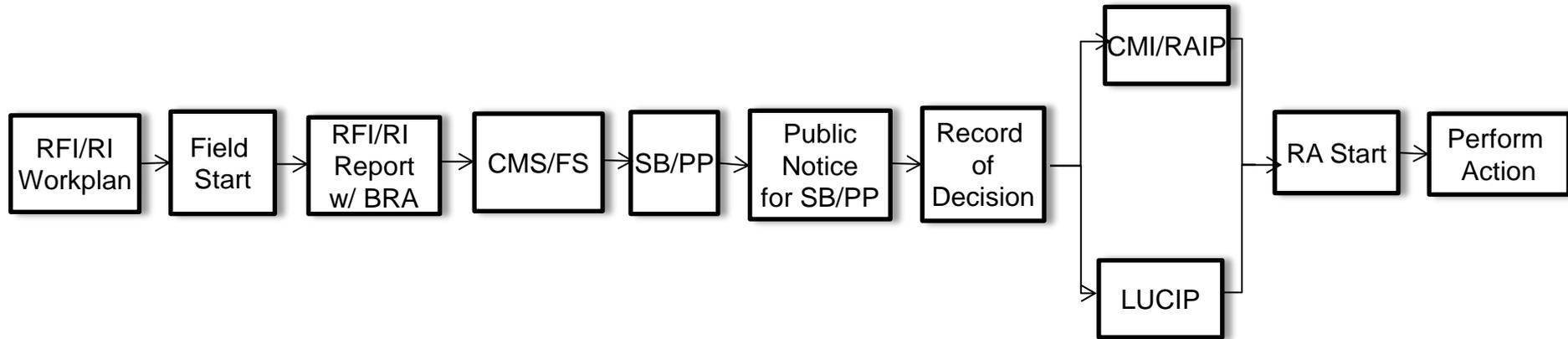
- *Provides a lifecycle list of cleanup milestones for SRS Waste Sites*
 - Made up of Appendices E.1, E.2, and E.3
 - Appendix E.1 contains Enforceable Milestones for the next Fiscal Year (FY + 1)
 - Appendix E.2 contains Enforceable Milestones for FY + 2
 - Appendix E.3 contains Planning Milestones for FY + 3 and beyond
- *DOE updates Appendix E annually and submits for review to SCDHEC and EPA in November*



FFA Appendix E Schedule



FFA Document Flow



RFI/RI = RCRA Facility Investigation/Remedial Investigation

BRA = Baseline Risk Assessment

CMS/FS = Corrective Measures Study/Feasibility Study

SB/PP = Statement of Basis/Proposed Plan

CMI/RAIP = Corrective Measures Implementation/Remedial Action Implementation Plan

LUCIP = Land Use Control Implementation Plan

RA = Remedial Action



Approved FY 2013 FFA Appendix E – FY 2014 and FY 2015 Milestones

- *E.1 (FY 2014) and E.2 (FY 2015)*

FY 2014

– **Field Starts**

- Steel Creek Integrator Operable Unit Fifth Phase II
- P-Area Groundwater Operable Unit

– **Statement of Basis/Proposed Plan**

- C Area Operable Unit Early Action

– **Record of Decision**

- Wetland Area at Dunbarton Bay

– **Issue Record of Decision**

- Fourth Five-Year Remedy Review Report
- Wetland Area at Dunbarton Bay

– **Post-Record of Decision Documents**

- A-Area Ash Pile (788-A), A-Area Coal Pile Runoff Basin (788-3A), and Stormwater Outfall A-013 CMI/RAIP
- A-Area Ash Pile (788-A), A-Area Coal Pile Runoff Basin (788-3A), and Stormwater Outfall A-013 LUCIP
- B Area Operable Unit CMI Report/RA Completion Report

– **Remedial Action Start**

- B Area Operable Unit

– **Post-Remedial Action Start Documents**

- Eleven (11) Reports that Discuss the Performance of the Selected Remedial Action



FY 2013 FFA Appendix E – FY 2014 and FY 2015 Milestones (cont'd)

- *E.1 (FY 2014) and E.2 (FY 2015)*

FY 2014 (cont'd)

- **Integrator Operable Unit Periodic Reports**

- Upper Three Runs Integrator Operable Unit Periodic Report 4

- **Removal Actions**

- D-Area Ash Landfill (488-4D) Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA)
- D-Area Ash Landfill (488-4D) Action Memorandum

- **High Level Radioactive Waste Tanks**

- Complete Bulk Waste Removal Efforts for Two (2) Tanks (Completed Ahead of Schedule)

FY 2015

- **Field Starts**

- Upper Three Runs Integrator Operable Unit Fourth Phase II

- **Statement of Basis/Proposed Plan**

- C Area Groundwater Operable Unit (Castor Creek) Interim Action

- **Record of Decision**

- C Area Groundwater Operable Unit (Castor Creek) Interim Action
- C Area Operable Unit Early Action

- **Issue Record of Decision**

- Issue C Area Operable Unit Early Action

- **Remedial Action Start**

- A-Area Ash Pile (788-A), A-Area Coal Pile Runoff Basin (788-3A), and Stormwater Outfall A-013



- *E.1 (FY 2014) and E.2 (FY 2015)*

- **FY 2015 (cont'd)**

- **– Post-Remedial Action Start Documents**

- Ten (10) Reports that Discuss the Performance of the Selected Remedial Action

- **– Integrator Operable Unit Periodic Reports**

- Pen Branch Integrator Operable Unit Periodic Report 4

- **– Removal Actions**

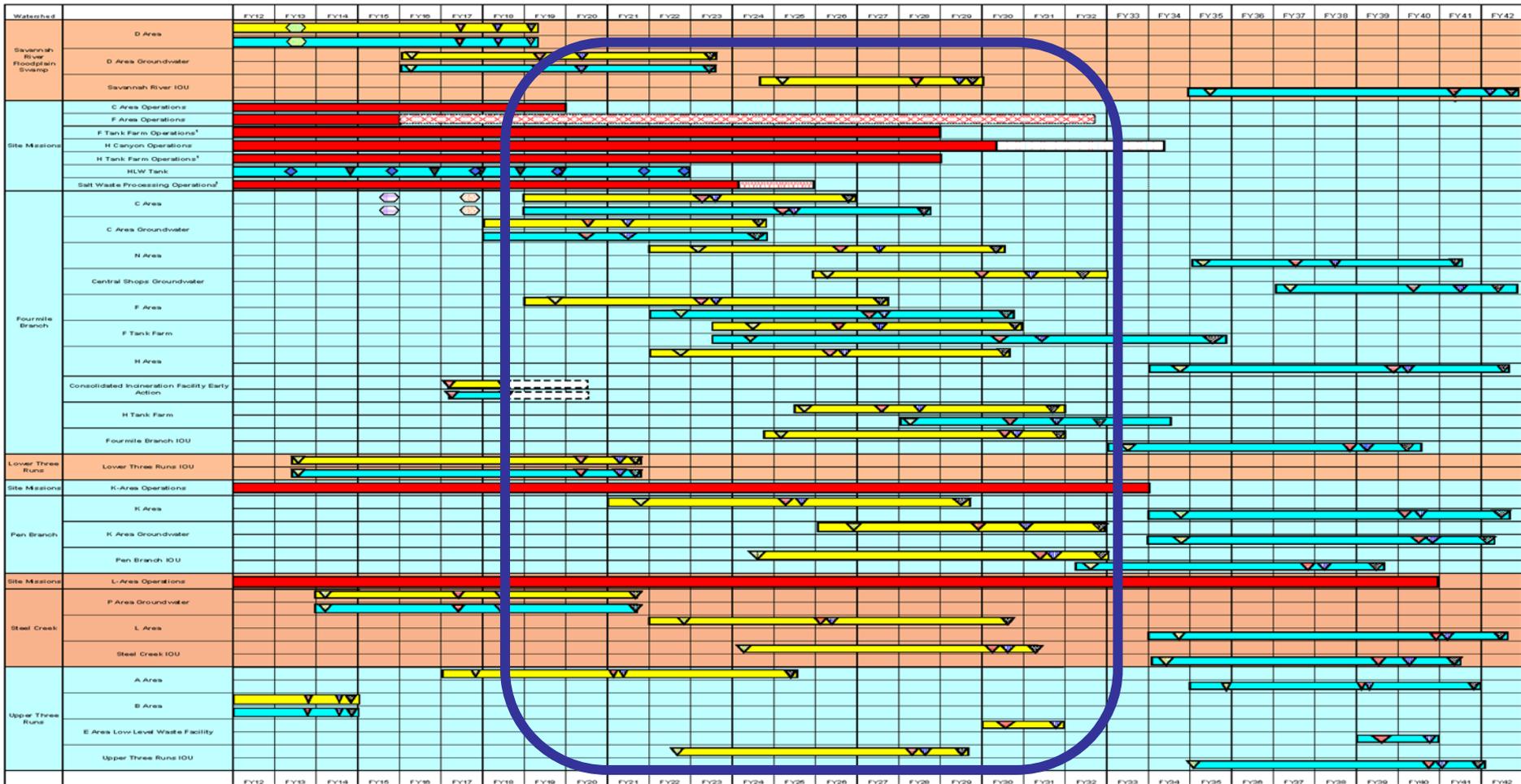
- D-Area Ash Basin (488-2D) RSER/EE/CA
- D-Area Ash Basin (488-2D) Action Memorandum
- D-Area Coal Pile Runoff Basin (489-D) RSER/EE/CA (Revision 1)
- D-Area Coal Pile Runoff Basin (489-D) Revised Action Memorandum
- D-Area Coal Pile Runoff Basin (489-D) Removal Action Start

- **– High Level Radioactive Waste Tanks**

- Complete Operational Closure of Four (4) Tanks

- *E.3 (FY 2016+)*
 - End of Program Date Extended to 2042
 - H Canyon Operations for dry blending plutonium from K Area with inert materials for final disposal
 - K Area Operations for storage of plutonium to be shipped to H Canyon
 - L Area Operations for continued storage of spent (used) nuclear fuel while awaiting disposition decision
 - Facilities/areas required to support these ongoing missions (e.g., N Area, A Area)
 - Integrator Operable Unit (IOU) schedules revised to re-sequence closure of the IOUs so that the Savannah River and Floodplain Swamp IOU is the last IOU to be assessed/remediated, since the other IOUs feed into the Savannah River and Floodplain Swamp IOU.

SRS Area Completion Plan



Legend

- FY2012 Appendix E Rev. 1
- FY2013 Appendix E Rev. 0
- Other Site Missions
- Actual Duration Unknown
- Potential Mission Supporting F- and H-Tank Farm Operations
- SWMF Cleaning/Rushing
- H Canyon Cleaning/Rushing
- Field Start
- Issue ROD
- RA Start
- Rec + PCR Submit
- HLW Site Site Waste Record
- Operational Closure of Tanks
- ADU Issue Bt; Action ROD
- ADU Bt; Action Remedial Action Start
- ADU Bt; Action PCR Submit
- Performance Assessment

* The end dates for these site missions are based on the Liquid Waste System Plan (SRR-LWP-2009-00001, Rev. 17, February 29, 2012), which has been approved by DOE.



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FY 2014 Appendix E – Anticipated Major Changes

- *Current-Year Performance Impacts*

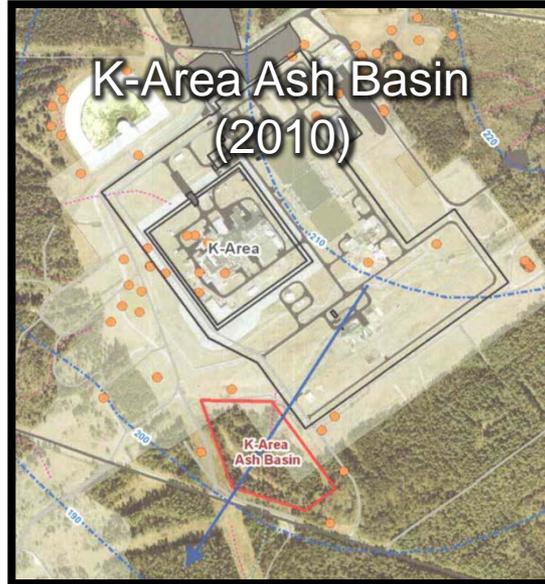
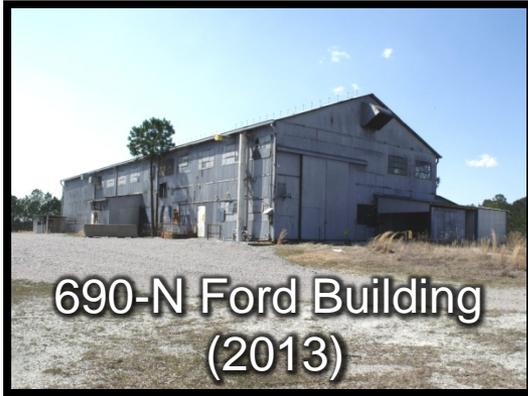
- As of today, no impact to any enforceable milestones. Essentially a roll-over of the approved FY 2013 FFA Appendix E.
- Plan to replace deferred scope from last year with subunits from the impacted areas. Noticeable differences will come after FY 2019. This is a commitment that was made in connection with approval of the FY 2013 Appendix E.
- The areas listed below will need to be scoped with the regulators before firming dates. **Note:** This is a preliminary proposal by DOE, and has not yet been reviewed and determined to be acceptable by SCDHEC and EPA.
 - A Area Operable Unit – Characterize/remediate 716-A and 725-A Pads
 - H Area Operable Unit – Sandblast Area CMH-001 and CMH-002, Early Construction and Operational Disposal Sites (ECODS) H-1, Spill on 02/01/57 of Unknown of Seepage Basin Pipe Leak from 904-44G
 - K Area Operable Unit – K-Area Ash Basin (188-K)
 - L Area Operable Unit – L-Area Rubble Pit (131-1L), L-Area Rubble Pit (131-4L), ECODS L-3, L-Area Ash Basin (188-L)
 - N Area Operable Unit – ECODS N-1, Central Shops Scrap Lumber Pile (631-2G), Sandblast Area CMN-001, Decontamination & Decommissioning of Building 690-N, Process Heat Exchanger Repair Facility

- *Programmatic Impacts*

- None at this time.



Photos



- *As discussed in the response to Citizens Advisory Board Recommendation #279, the Department of Energy will provide an information briefing on the Rev. 0 FY 2014 Appendix E after it is submitted to the regulators for their review.*



THE FY 2013 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

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



Questions and Answers

