Federal Facility Agreement Appendix E
Projected Changes

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Savannah River Site Citizens Advisory Board
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Purpose

• 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
FFA Appendix E

- **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**

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<th>E.1</th>
<th>E.2</th>
<th>E.3</th>
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<tr>
<td>Current FY + 1 Enforceable (FY 2014)</td>
<td>Current FY + 2 Enforceable (FY 2015)</td>
<td>Out Year FY + 3 Planning (FY 2016+)</td>
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Federal Facility Agreement (FFA) Appendix E Schedule

- **DOE submits Revision 0 on 11/15**
- **FD & SR Briefing**
- **DOE submitted Revision 0 on 11/15/12**
- **FD & SR Briefing**
- **SCDHEC submitted comments on 12/21/12**
- **EPA submitted comments on 12/26/12**
- **DOE submit Revision 1 on 1/31**
- **DOE submitted Revision 1 on 1/30/13**
- **EPA and SCDHEC approval received 2/28/13**
- **FD & SR Briefing**
- **Actual FY 2013 Appendix E dates**
- **Appendix E dates (per FFA)**

- **SCDHEC and EPA approval requested 30 days after Revision 1 submittal**
- **SCDHEC and EPA comments due on 12/31**

The timeline illustrates the key events and dates related to the submission and approval process for the FFA Appendix E.
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) 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
FY 2013 FFA Appendix E – FY 2014 and FY 2015 Milestones (cont’d)

• 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

| Week | G Area | H Area | I Area | J Area | K Area | L Area | M Area | N Area | O Area | P Area | Q Area | R Area | S Area | T Area | U Area | V Area | W Area | X Area | Y Area | Z Area |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    |
| 2    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    |
| 3    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    |
| 4    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    |
| 5    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    |
| 6    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    | Yes    |

*The end dates for these site locations are based on the Liquid Waste System Plan (SWP) LNP-200905001, Rev. F, February 29, 2012, which has been approved by DOE.*
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

690-N Ford Building (2013)

K-Area Ash Basin (2010)

ECODS N-3 (2003)

L-Area Ash Basin (2010)
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

Questions and Answers