Revisiting the Area Completion Strategy

Presentation By
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April 9, 2013
Purpose

Provide information on the background, process, and upcoming planning for revisiting the Savannah River Site Area Completion Strategy.
Area Completion Strategy Background

- Memorandum of Agreement (MOA) for Achieving Accelerated Cleanup Vision signed in 2003:
  - DOE-Savannah River Operations Office (DOE-SR), South Carolina Department of Health and Environmental Control (SCDHEC) and Environmental Protection Agency Region 4 (EPA)
  - Endorsed an area-by-area approach to cleanup
  - Recognized Soil & Groundwater and Deactivation & Decommissioning (D&D) integration to complete cleanup

- Historical Operable Unit Process
  - Did not focus cleanup on any specific area
  - Evaluated individual waste units
  - D&D of facilities not addressed
  - More costly
Area Completion Strategy Process

- Addresses larger groupings of waste units and D&D facilities within predominantly industrial Areas
- Provides for a comprehensive Area cleanup with one end state
- Provides an integrated approach between Operations, D&D, and Soil & Groundwater activities and schedules
- End State determined on Area basis vs. individual waste units, using more representative exposure/risk assumptions
- Economies of scale
  - Enables coordinated D&D and Soil & Groundwater sampling and remediation
  - Consolidates investigation activities and documentation
Area Completion Strategy & 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

- DOE provides briefings to the FD&SR Committee during the review and approval cycle

<table>
<thead>
<tr>
<th>E.1</th>
<th>E.2</th>
<th>E.3</th>
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<tbody>
<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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</table>
Revisiting the Area Completion Strategy

Why?

- Site’s Lifecycle Baseline extended from 2034 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

- Time periods where minimal cleanup work is scheduled to complete

- Request of EPA Region 4 and SCDHEC via approval of 2013 Appendix E
  - Evaluate the acceleration of subunits
# SRS

## Area Completion Strategy Plan

<table>
<thead>
<tr>
<th>Weeknumber</th>
<th>Phase</th>
<th>Area</th>
<th>Task</th>
<th>Completion Status</th>
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<tr>
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</table>

*Note: All tasks are marked as in-progress or completed.*

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### Notes
- Area completion status: Complete, In Progress, Not Started.
- Task completion status: Complete, In Progress, Not Started.
- Any updates or changes should be noted in the next week's plan.

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**Legend:**
- Complete: Green
- In Progress: Yellow
- Not Started: Red

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**References:**
- Company Policy Document
- Project Management Plan
- Weekly Progress Report

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**Acknowledgments:**
- Special thanks to the team for their dedication.
- This plan is a collaborative effort between the project management and engineering teams.
Revisiting the Area Completion Strategy

Who?
- EPA Region 4
- SCDHEC
- DOE-SR
  - Site Contractors

When?
- Now!
  - Preliminary discussions have begun between DOE-SR and SRNS
  - Preliminary discussions with the CAB
  - Submittal of the 2014 Appendix E (November 2013)
Area Completion Strategy Summary

DOE, EPA and SCDHEC will be well positioned to achieve further efficiencies and complete SRS cleanup by 2042 utilizing a revised Area Completion Strategy.
Questions and Answers