Salt Waste Processing Facility Project

SRS Citizens Advisory Board Meeting
November 16, 2010

Tony Polk
Acting Federal Project Director
DOE-SR

Environmental Management
safety ♦ performance ♦ cleanup ♦ closure
SWPF Progress

September 2007  Deputy Secretary approved project baseline and limited construction
August 2008    Started basemat rebar installation
December 2008  Deputy Secretary approved full construction
January 2009   First basemat concrete placed
August 2009    Basemat 100% complete.
March 2010     Walls to Elevation 116’ complete
June 2010      Deck at Elevation 116” complete
Northwest Corner
Walls to Elevation 139’
Setting Forms for Walls to Elevation 139’
Liner Plate – Southwest Corner
Contactor Support Floor Chase, Facing East
Setting HVAC Penetration
Piping – Orbital Welding at Bend
CSSX/CFF Integrated Test System at PTC
Backup Air Storage Tank Set, Facing West
SWPF CPA WALLS TO 139' COMPLETION STATUS AS OF 29 SEP 2010

**INDIVIDUAL WALL STATUS**
- Not Started
- Rebar w/ 2 Mats
- Formwork 1 Side w/ Embeds
- Formwork 1 Side w/ Rebar & Embeds
- Formwork 2 Sides w/ Rebar & Embeds
- Concrete Placed

**CONCRETE PLACED**
- 63%

**REBAR INSTALLED**
- 303 Tons

**PLATES INSTALLED**
- 624

**PENS INSTALLED**
- 115

**INDIVIDUAL WALL STATUS**
- 116' DECK
- Walls to 139' REV 2

**WALLS COMPLETED**
- 58%

**Concrete Placed**
- 4334

**Concrete Placed**
- 2751
Significant Accomplishments

• First critical lift and placement performed successfully and safely
  – Tanks 505 and 506

• Concrete -Walls to EL. 139’
  – Forms – 72% complete – 64,500 sq. ft.
  – Rebar – 86% complete – 1,317,800 lbs
  – Embedded Metals – 79,615 lbs installed, 82% Complete

• In-Plant Construction
  – Set Back-up Air Receiver Tanks
  – Installation of CPA Monorail steel – EL. 100
  – Completed installation of North ASP Labyrinth tube tray

• Fabrication Facility
  – 2,485 ISOs Complete (75% Complete – Central Processing Area)
  – 19,629 Welds Complete
Project Level Milestones

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<th>Project Level Milestones</th>
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<td>Q1</td>
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<tr>
<td>CD-0, Sept. 2002</td>
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<tr>
<td>Design Phase – Conceptual thru Final</td>
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<td>9/02</td>
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<td>12/08</td>
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<tr>
<td>Construction</td>
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<td>9/07</td>
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<td>7/12</td>
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<td>System Testing</td>
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<td>Cold Comm.</td>
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<td>LW System Plan SWPF Startup Date</td>
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<td>7/31/2014</td>
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<td>CD-4 Early May. 2013</td>
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<td>Current CD-4 Completion Date 9/3/2013</td>
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<td>7/12</td>
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<td>Schedule Contingency</td>
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Notes:
- The Early Completion Date of May 2013 represents the end date for the logic driven project critical path. This schedule is >50% confidence due to potential risks.
- The LW System Plan Startup Date was developed using the Federal Project Director’s assessment of remaining risks.
- The Late Completion Date of October 2015 is the 80% confidence date which considers worst case impacts realizati of remaining risks.
Looking Forward

• Focused Attention on Major Procurements
  – Highest risk to project remains vendor performance
  – Significant focus on vendor quality assurance and quality controls to ensure 100% receipt of materials and equipment ready for installation
  – Changes in construction execution strategy (horizontal to vertical) to mitigate impact from vendor delivery schedule delays

• Maintaining Strong Construction Execution Progress
  – Project Schedule Performance continues to meet or exceed expectations
  – Productivity rates continue to meet or exceed expectations, while maintaining a strong safety culture.