Salt Waste Processing Facility Project

SRS Citizens Advisory Board Meeting
October 19, 2010

Tony Polk
Acting Federal Project Director
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
Aerial View – September 2010
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 (Tons)
- 303
- 1115

PLATES INSTALLED (#)
- 121
- 962

PENS INSTALLED (#)
- 73
- 624

WALLS COMPLETED 58%

Complete 42

Environmental Management
- safety
- performance
- cleanup
- closure
**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

**Design Phase – Conceptual thru Final**

- CD-0, Sept. 2002
- CD-1, Mar. 2004
- CD-2/3A, CD-3B
- CD-4

**Construction**

- 9/07
- 12/08

**System Testing**

- 3/10
- 7/12

**Cold Comm.**

- 7/12
- 5/13

**Current CD-4 completion date includes application of 76 days schedule contingency to mitigate realized risks.**

**LW System Plan SWPF Startup Date**

- 7/31/2014

**Current CD-4 Completion Date 9/3/2013**

**CD-4 Late October 2015**

**Schedule Contingency**

- 5/13
- 10/15

**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 realizaion 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.