Salt Waste Processing Facility Project

SRS Citizens Advisory Board Meeting November 16, 2010

Tony Polk
Acting Federal Project Director
DOE-SR

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’

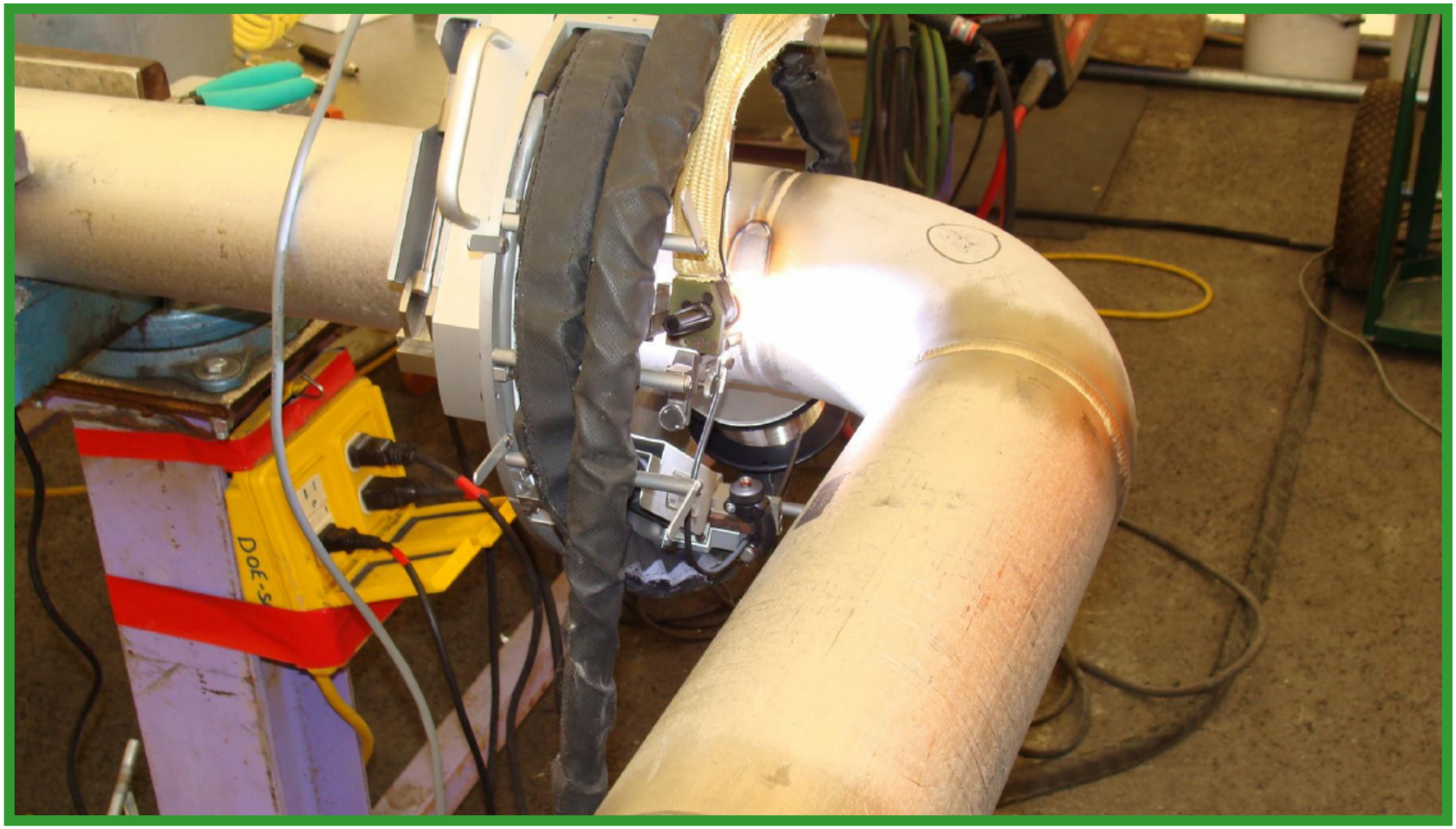
Setting Forms for Walls to Elevation 139’

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

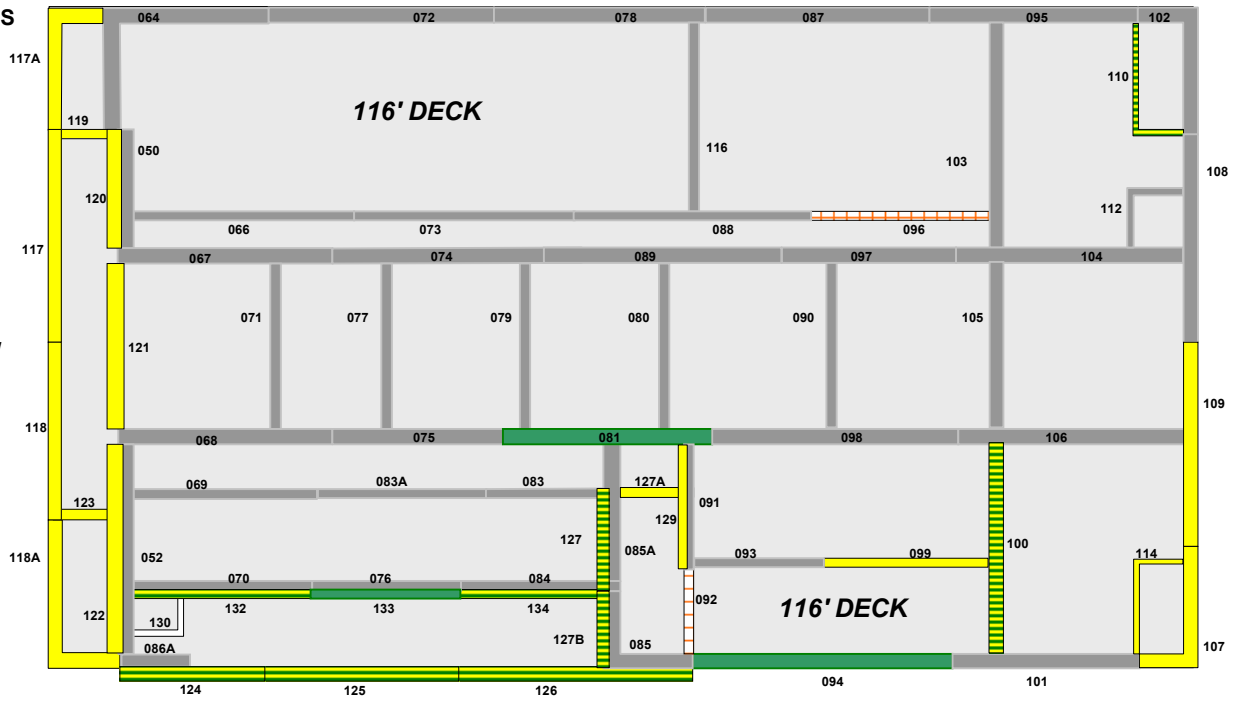
Backup Air Storage Tank Set, Facing West

SWPF CPA WALLS TO 139' COMPLETION STATUS AS OF 29 SEP 2010

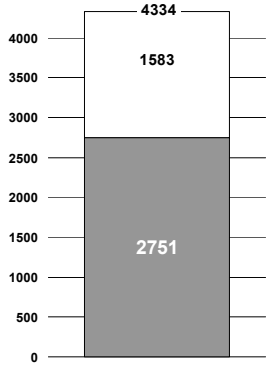
N

INDIVIDUAL WALL STATUS

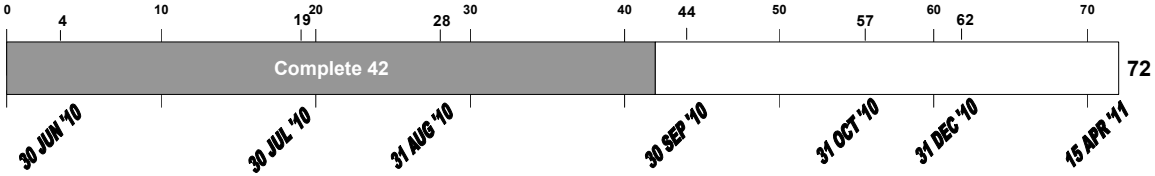
- Not Started
- Rebar w/ 2 Mats
- Formwork 1 Side w/ Embeds
- Formwork 1 Side w/ Rebar & Embeds
- Formwork 2 Sides w/ Rebar & Embeds
- Concrete Placed



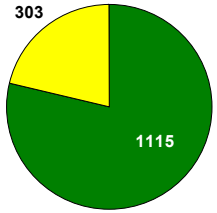
CONCRETE PLACED
63%



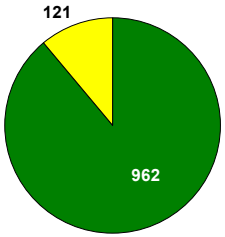
WALLS COMPLETED 58%



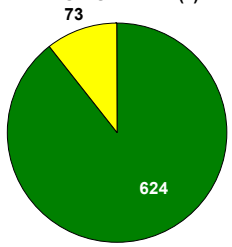
REBAR INSTALLED (Tons)



PLATES INSTALLED (#)



PENS INSTALLED (#)



Walls to 139 REV 2

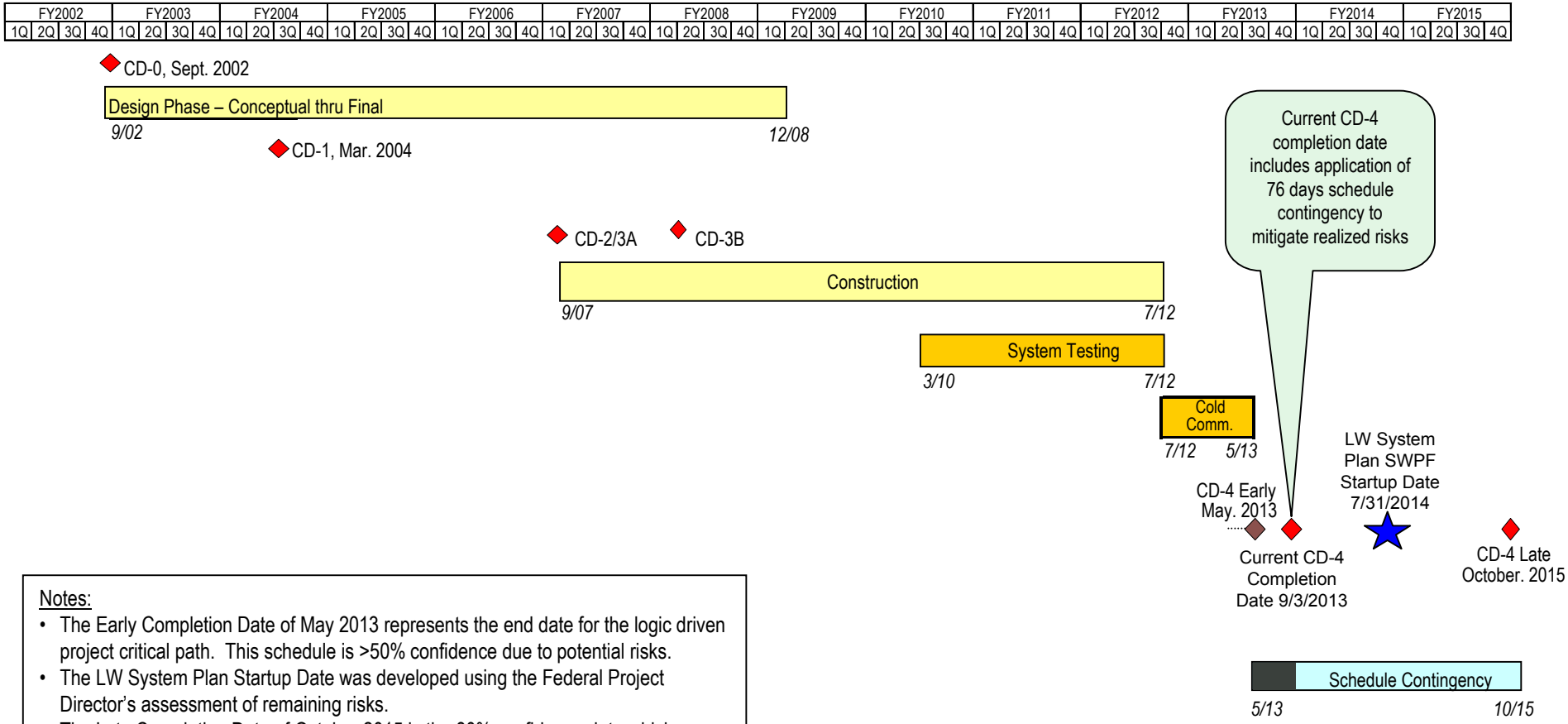
EM Environmental Management

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



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/realization 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.