

# **Salt Waste Processing Facility Project**

## **SRS Citizens Advisory Board Meeting October 19, 2010**

Tony Polk  
Acting Federal Project Director



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# ***SWPF Progress***

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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



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# Aerial View – September 2010



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# Northwest Corner



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## ***Walls to Elevation 139'***



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# Setting Forms for Walls to Elevation 139'



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## ***Liner Plate – Southwest Corner***



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# ***Contactor Support Floor Chase , Facing East***



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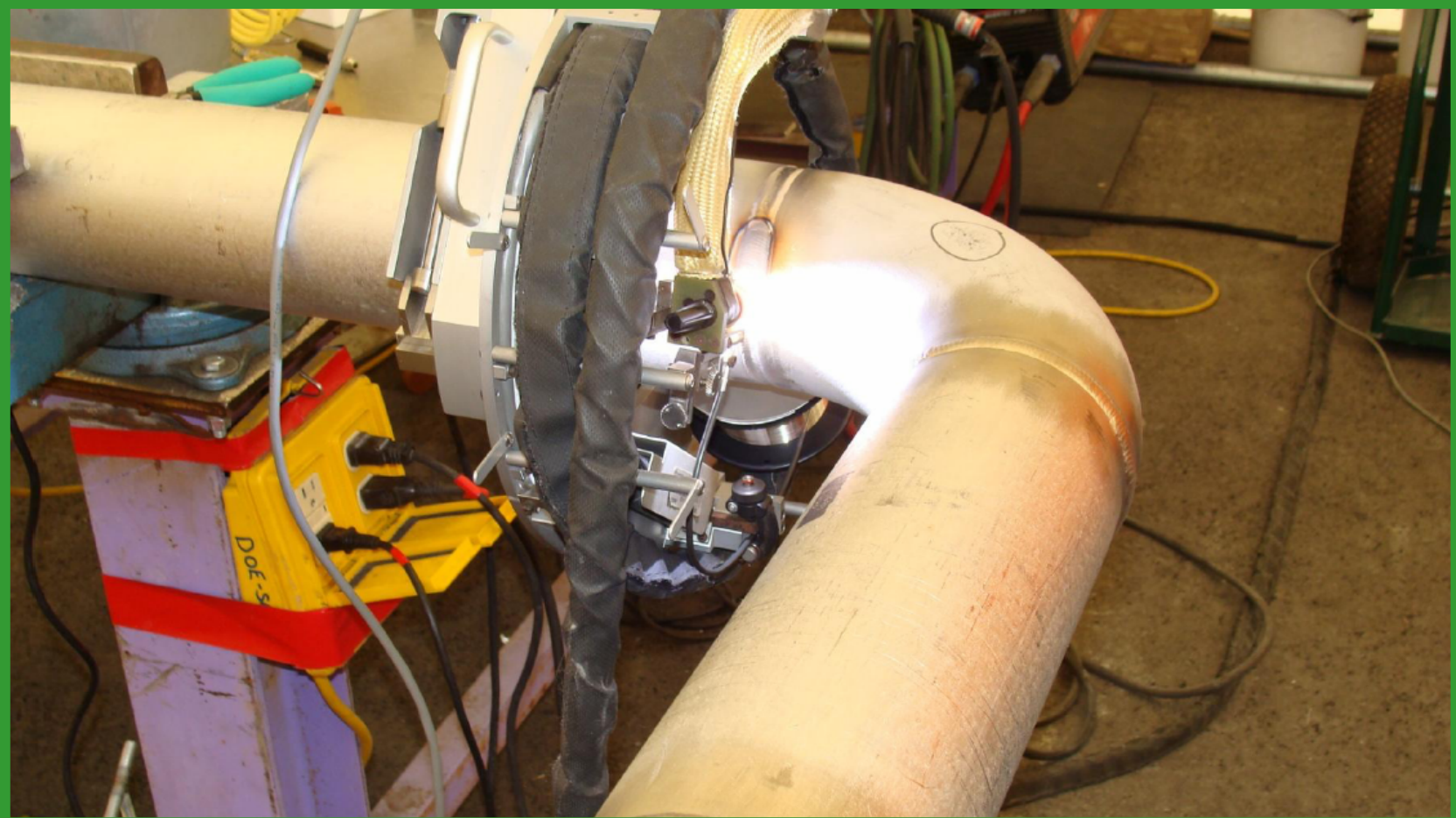
# Setting HVAC Penetration



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## ***Piping – Orbital Welding at Bend***



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# ***CSSX/CFF Integrated Test System at PTC***

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## ***Backup Air Storage Tank Set, Facing West***



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





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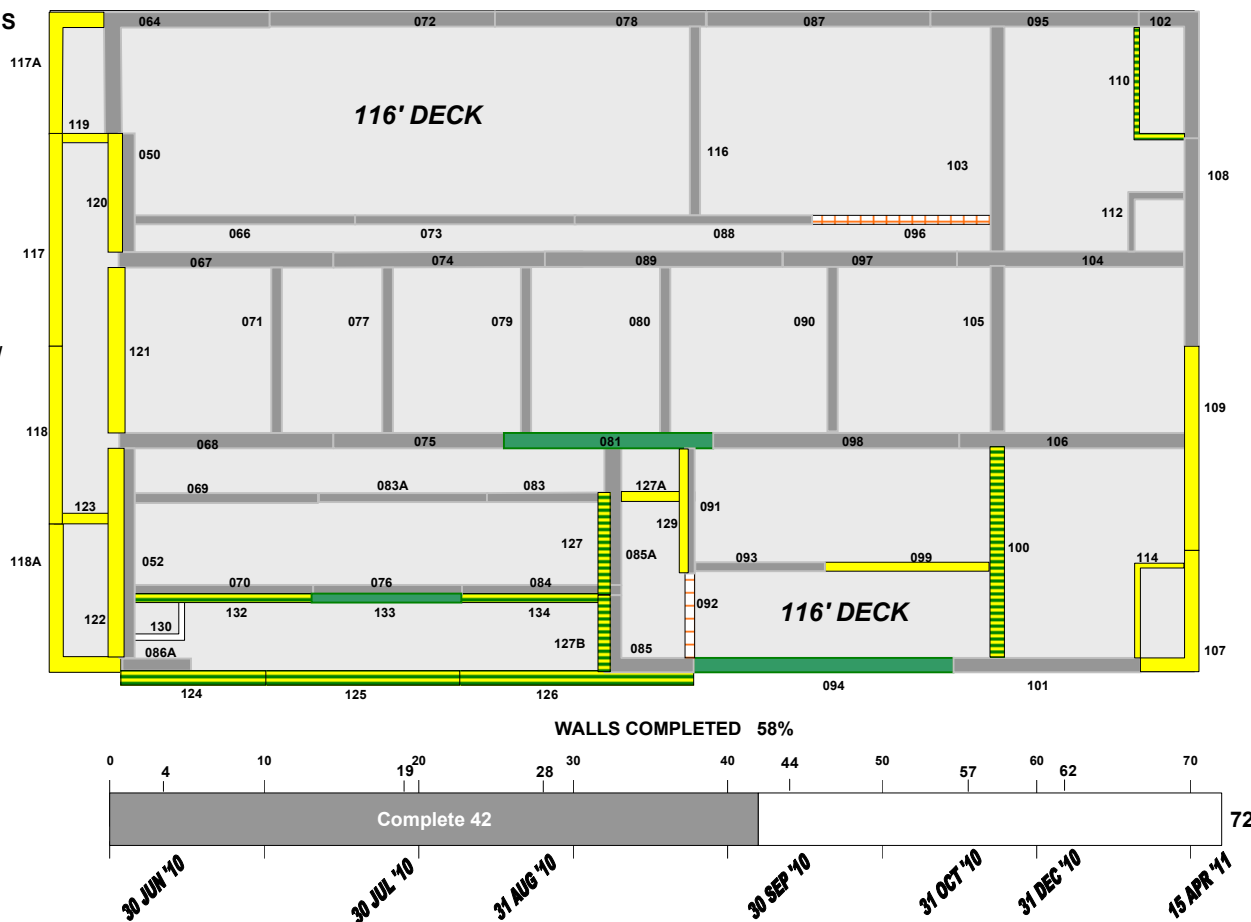
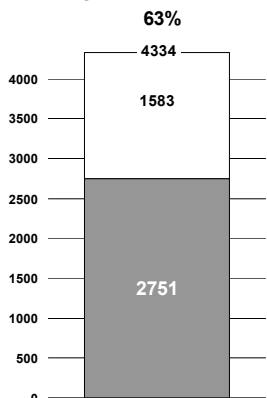
N

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

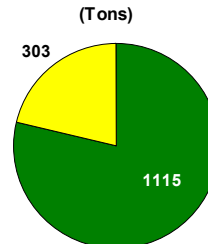
## INDIVIDUAL WALL STATUS

-  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

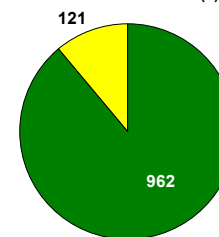
## CONCRETE PLACED



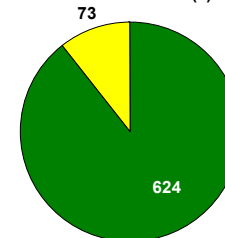
## REBAR INSTALLED (Tons)



## PLATES INSTALLED (#)



## PENS INSTALLED (#)



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# ***Significant Accomplishments***

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- **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



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# Project Level Milestones

FY2002				FY2003				FY2004				FY2005				FY2006				FY2007				FY2008				FY2009				FY2010				FY2011				FY2012				FY2013				FY2014				FY2015			
1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q								

◆ CD-0, Sept. 2002

Design Phase – Conceptual thru Final

9/02

12/08

◆ CD-1, Mar. 2004

◆ CD-2/3A

◆ CD-3B

Construction

9/07

7/12

System Testing

3/10

7/12

Cold Comm.

7/12

5/13

CD-4 Early May. 2013

Current CD-4 Completion Date 9/3/2013

LW System Plan SWPF Startup Date 7/31/2014

CD-4 Late October. 2015

Schedule Contingency  
5/13 10/15

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

## 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.



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# Looking Forward

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- **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.



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