



SWPF Project Status Update

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CITIZENS ADVISORY BOARD
January 29, 2013



Purpose

Positive project update in response to CAB Recommendation No. 297



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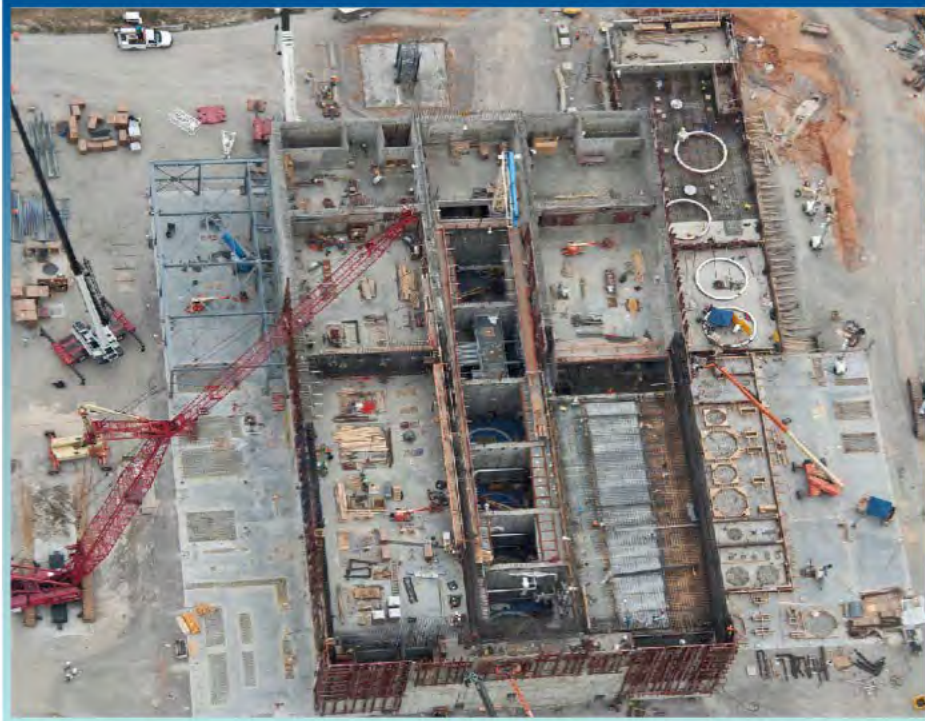
Acronyms

AFF	<i>Alpha Finishing Facility</i>
ASME	<i>American Society of Mechanical Engineers</i>
CCA	<i>Cold Chemical Area</i>
DSS	<i>Decontaminated Salt Solution</i>
EFSA	<i>Eastern Facility Support Area</i>
NFSA	<i>Northern Facility Support Area</i>
SWPF	<i>Solid Waste Processing Facility</i>
IGCE	<i>Independent Government Cost Estimate</i>
ICE	<i>Independent Cost Estimate</i>



SWPF Progress

May 2011



November 2011



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SWPF Progress cont'd.

High Roof Concrete (176') Complete



Aerial Picture taken 28 November 2012

**Low Roof (154')
Complete**

**Cold Chemical
Area (CCA)
Pumps Set
Tanks Set
Roof / Siding**

**Alpha Finishing
Facility (AFF)
Structural Steel
O/H Crane Set
Pumps Set**

**Decontaminated
Salt Solution
(DSS) Line**

**Large ASME
Tanks Set in Dark
Cells and AFF**

Compressor Pad

Diesel Generator

**North Facility
Support Area
(NFSA)**

**MCCs Set
Air Handlers Set
Roof / Siding
Bus Supports
Fire Proofing**

Chillers

**Walls to 176'
Complete**

High Roof Rebar

**Eastern Facility
Support Area
(EFSA)**

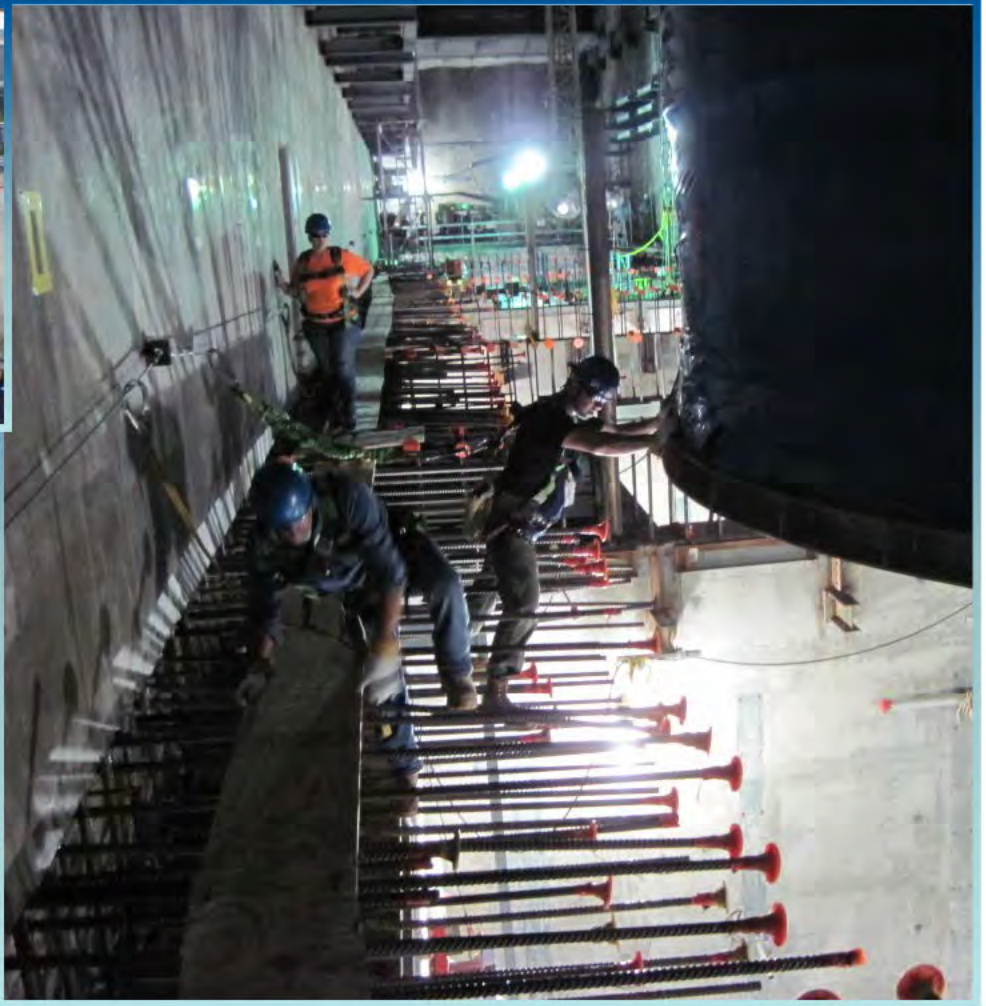


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Large ASME Vessels

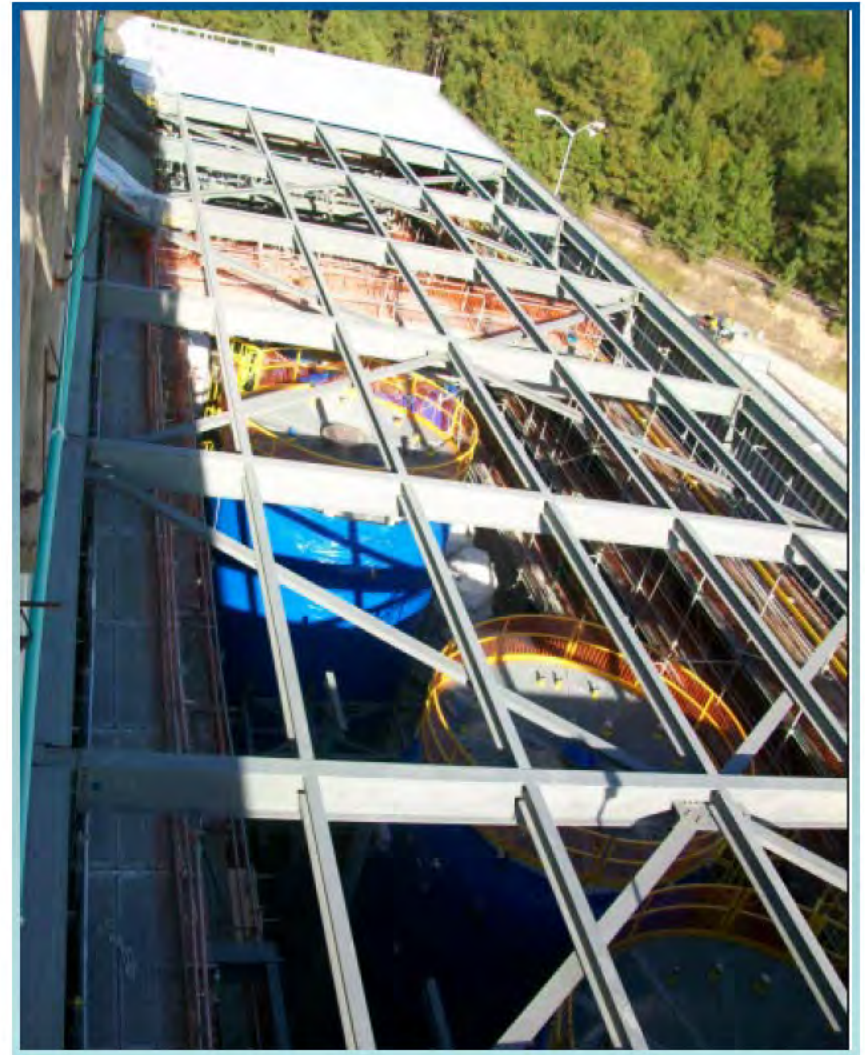


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SWPF Tanks after Installation



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SWPF Operating Deck



SWPF High Roof Construction



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Completion of High Roof Concrete Placement



Significant Accomplishments

- ARP/MCU pilot and full-scale testing by Parsons prove technology is sound. SWPF Cesium removal and throughputs will meet or exceed design basis.
- Large ASME vessels delivered and installed
- Concrete placement complete to the 176' level (High Roof)
- Construction at 62% complete
- DNFSB toured the SWPF Facility in May 2012 and returned no Significant Findings
- Modified Monosodium Titanate – Testing Complete. Closed DNFSB Issues regarding mixing
- NGS systemization testing has demonstrated stable operations at 134% of the baseline flow sheet. Formal testing has begun to verify mass transfer and solvent carryover requirements at the elevated throughput.
- Parsons awarded SHARP Certification by South Carolina OSHA
- Achieved two (2) million safe hours



Delay and Cost Increase Drivers

- Large ASME Vessels dominated the delays and cost increases
 - June 2012 - Vessels delivered (two (2) years later than planned)
 - Resulted in changes to construction sequence
- Other NQA-1 vendor performance issues are contributors
 - Pumps, agitators, transfer piping, gloveboxes
- Piping and piping support installation
 - Welders and welding
- Design changes
 - Associated with construction re-sequencing and vendor submittals



Impacts and Challenges

- Liquid Waste Program working with SWPF to determine most favorable case to optimize available funding and synchronize SWPF start-up with Liquid Waste system.
 - Site integrated budget scenarios developed to determine distribution of available funds
- DOE completed Independent Government Cost Estimate (IGCE), an Independent Cost Estimate (ICE) based on preliminary and is completing an External Independent Review (EIR) of those estimates.



Looking Forward/Next Steps

- Maintain strong construction execution progress while addressing funding
- Address estimated cost increase and limit additional overruns
 - IGCE completed to inform DOE position on cost and schedule
 - Contract modification will be required
 - ESAAB approval targeted for mid-November
- Reprogram FY 2012 operating dollars to construction dollars - Immediately
- Reprogram FY 2013 operating dollars to construction dollars - TBD
- Upon ESAAB approval – commence necessary budget/funding changes through OMB

