Salt Waste Processing Facility Project

SRS Citizens Advisory Board Meeting
September 23, 2008

Zack Smith
Federal Project Director
SRS Tank Waste System

F Tank Farm

H Tank Farm

To Federal Repository

Vaults

Saltstone

DWPF - Defense Waste Processing Facility

SWPF – Salt Waste Processing Facility

EM Environmental Management

safety ◇ performance ◇ cleanup ◇ closure
SWPF Project Layout

Environmental Management

safety ∘ performance ∘ cleanup ∘ closure
SWPF Plan View

Environmental Management

- safety
- performance
- cleanup
- closure
Overall Project Status

• Design completion review in progress.

• Limited construction and early procurement work underway
  – Critical Decision 3-A – Limited Construction and early procurements approved September 24, 2007
  – Final construction permit received early August 2008
  – Critical Decision 3-B - verbal approval received from Deputy Secretary on September 2, 2008

Recent Project Reviews

- **Earned Value Management System Certification**
  - On Site Review April 2008 - System Certified July 2008

- **External Independent Review: CD-3B**
  - On Site Review May 2008
  - Scope and Cost validated
  - Final Report Issued July 2008

- **Construction Readiness Review**
  - Completed June 2008
  - Focused on ability to support critical path construction work
  - Also addressed safety, quality assurance and constructability

- **DNFSB Oversight**
  - Issued Structural Calculations
  - Received comments - no significant issues
  - Final face to face meeting forecast September 2008
  - Resolution of comments prior to concrete placement
Actinide Removal Process/Modular Caustic Side Solvent Extraction Unit (ARP/MCU)

• ARP/MCU began hot operations on April 21, 2008.

• ARP/MCU acquired knowledge:
  – SWPF comparable components will operate as designed.
  – Importance of coalescer accessibility.
  – Stainless steel media.
  – Solids not as much of a problem on actual waste.

• SWPF and ARP/MCU Interfaces:
  – Weekly plan of the week meetings
  – Monthly technology meetings
  – Special meetings as deemed appropriate
  – Many routine interfaces
Construction Update

• Significant Accomplishments
  – Fabricating Rebar
  – Requisitioning Wall Embeds and Penetration Sleeves
  – Admin Building – Scheduled construction occupancy 10/15/08
    • Roof and Siding
    • Electrical Rough In
    • Interior Finishes 80% Complete

• Current Activities
  – Basemat Construction started
    • Actinide Sorption Drain Tank and Waste Transfer Enclosure depressed
cells rebar placement – 40% Complete
    • Basemat rebar started 9/9/08
Storm Drain Outlet to Sediment Pond
Completed Spillway and Sediment Pond
SWPF Central Processing Area - Basemat Formwork
SWPF Central Processing Area – Basemat Formwork

Construction Aid Steel (typ)

Exterior Edge Forms West and North Edges
Contactor Foundations – Fabricated at Vendor Facility
Contactor Support Base – Fabricated at Vendor Facility
Summary

• Design completion review in progress.
• Critical Decision 3 External Independent Review in progress.
• Basemat Rebar placement started.
• Concrete placement for Central Processing Area basemat - October 2008.
• Will keep CAB informed of progress.