Savannah River Site
Waste Disposition Project

Status of Waste Determination and Tank Closure

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Purpose & Presentation Overview

**Purpose:** Describe the status of the SRS Tank Closure Program.

**Presentation Overview:**
- Waste Removal
- Closure Process
- F Tank Farm Performance Assessment
  - Comments
- Path Forward
Tank Closure Program

- Mechanical cleaning with Sand Mantis crawler
  - Tanks 18 and 19 underway
  - Challenging but effective
  - Two back tilt wheel failures
  - Anticipate ~75% residual heel removals at completion
- Chemical cleaning with oxalic acid
  - Tanks 5 and 6 primary
- Remote crawler for annulus cleaning of Tanks 5 and 6

Tank 18 start 1/30/09

Tank 18 on 2/17/09
TMR Sand Mantis® Tilt Wheel

Original Design

Tank 18 Sand Mantis Retaining Screw
Improved Design

Tank 18 Sand Mantis Retaining Cover
Tank 18 Crawler Footer
Tank 19 Tilt Arm Modification
Tank 6 Annulus Crawler
F Tank Farm Performance Assessment

Comments

- Comments received from
  - South Carolina Department of Health and Environmental Control
  - Environmental Protection Agency
  - Nuclear Regulatory Commission
  - Citizen’s Advisory Board Waste Management Committee

- Excellent comments that will improve overall readability and quality of the document
  - No new modeling anticipated at this time

- Path Forward – revise the F Tank Farm performance Assessment to incorporate comments
Path Forward

• Complete mechanical and chemical cleaning of Tanks 19, 18, 5 & 6 by Fall 2009
• Issue Draft F Tank Farm Closure Plan to SCDHEC and EPA by Fall 2009
• Draft FTF WD Basis issued Summer 2010
• On schedule to close Tanks 18 and 19 by Federal Facility Agreement commitment of December 2012