

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

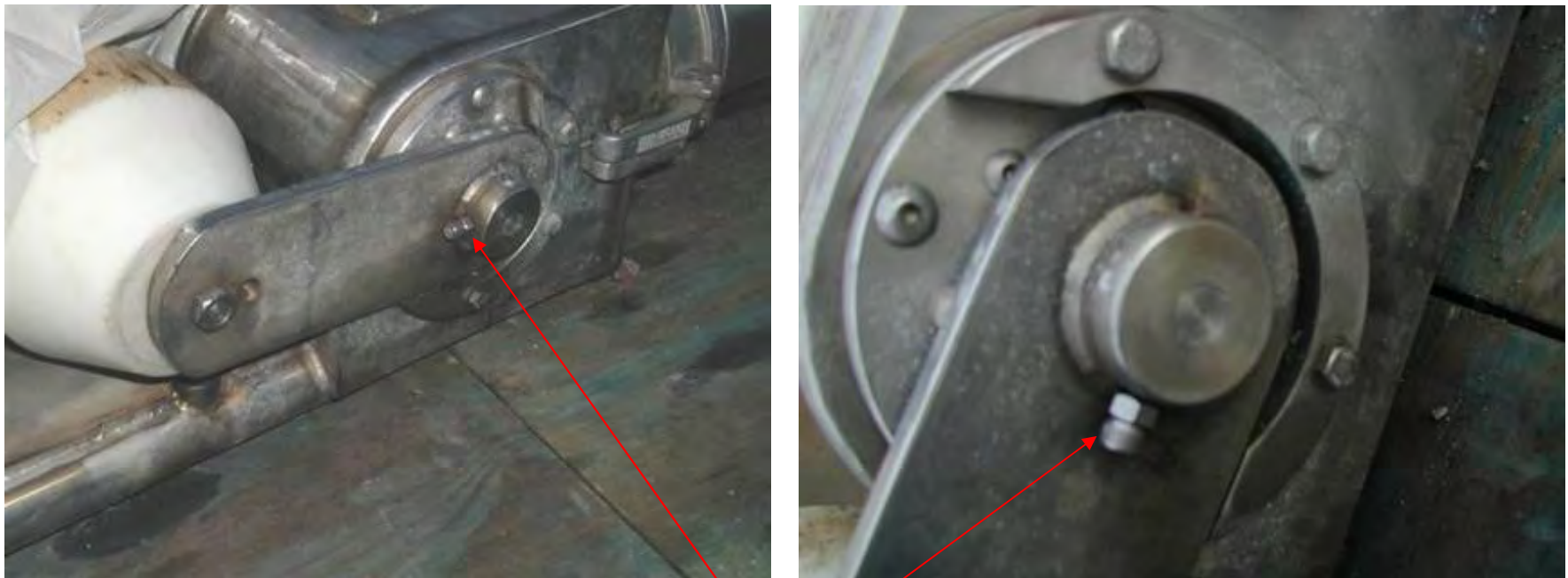


Tank 18 on 2/17/09



TMR Sand Mantis® Tilt Wheel

Original Design



**Tank 18 Sand Mantis
Retaining Screw**



TMR Sand Mantis® Tilt Wheel

Improved Design



**Tank 18 Sand Mantis
Retaining Cover**



Tank 18 Crawler Footer



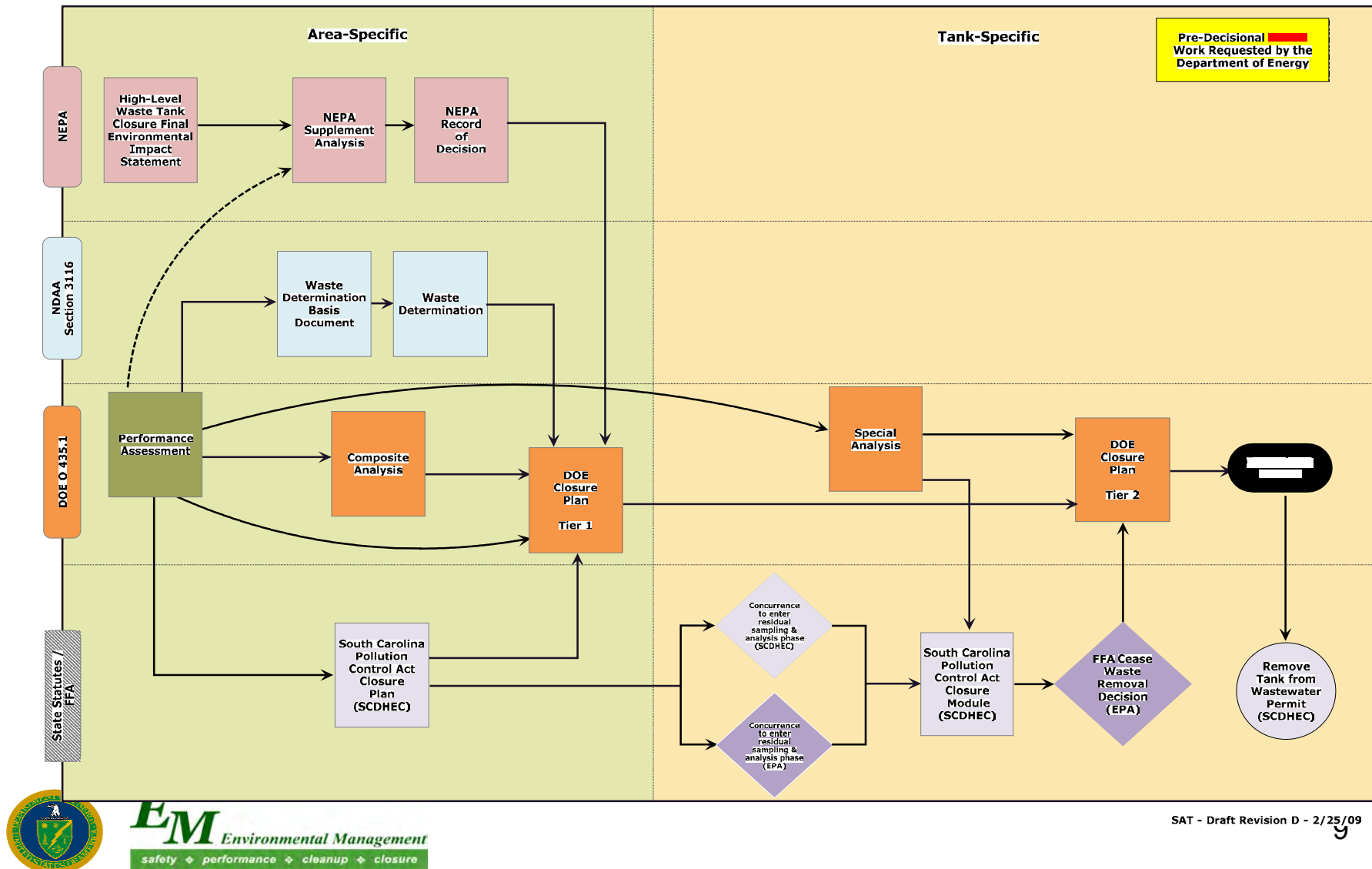
Tank 19 Tilt Arm Modification



Tank 6 Annulus Crawler



Regulatory Documentation Path to Closure in the SRS F-Tank Farm



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

