Presentation to the Savannah River Site
Citizens Advisory Board
Waste Management Committee

Tank Closure Update
October 18, 2011

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Provide status of activities to close Tanks 18 and 19 in F Tank Farm

- Schedule Status
- Regulatory Documentation Path (decisions to be made)
  - DOE’s Waste Determination
    - NRC’s Consultative Technical Evaluation Report
  - DOE’s NEPA Supplement Analysis
  - DOE’s Closure of F Tank Farm Decision
  - SCDHEC’s approval of Tanks 18 and 19 Closure Module
  - DOE/SCDHEC/EPA agreement to cease waste removal
  - DOE’s authorization to close Tanks 18 and 19
- Path forward
This depiction of SRS activities shows only the general scope of the major facilities and missions. It does not represent all processes or all materials flow.
DOE-SR’s Regulatory Documentation Path to Waste Tank Removal From Service
DOE’s Waste Determination

- Regulatory Driver: Section 3116(a) of the National Defense Authorization Act for Fiscal Year 2005
- Decision: Can residual waste in F Tank Farm at the time of closure be safely managed as low-level waste through in-situ disposition?
  - DOE’s decision is made in consultation with the Nuclear Regulatory Commission (NRC)
    - Joint agency public meeting planned (TBD)
- Status: DOE awaiting NRC TER to finalize Basis Document, Public Comment Responses, and Decision
- Decision is made by the Secretary of Energy and is anticipated by January 2012
- DOE will publish a Federal Register Notice and place supporting documents for public access at: http://sro.srs.gov/f_htankfarmsdocuments.html
DOE’s NEPA Supplement Analysis

- Regulatory Driver: National Environmental Policy Act (NEPA)
- Decision: NEPA requirements have been met
  - Supplement Analysis evaluates changes to program:
    - waste removal and tank cleaning technologies
    - new regulatory driver (NDAA versus DOE Order 435.1) and
    - new performance assessment modeling
  - Confirms no further NEPA documentation required
  - Confirms no change to the Record of Decision
- Status: Supplement Analysis has been prepared and reviewed, DOE awaiting NRC TER to finalize and approve
- Decision is made by DOE Savannah River Operations Office Site Manager and is anticipated by December 2011
- DOE will publish an Environmental Bulletin and post for public access
DOE’s Closure of F Tank Farm Decision

- Regulatory Driver: DOE Order and Manual 435.1
- Decision: To proceed with closure of the F Tank Farm (Tier 1 Authorization)
  - Identify all applicable closure requirements
  - Document how requirements will be met
  - Identify any special conditions or limitations
  - Authorize Savannah River Operations Office to proceed
- Status: Document has been prepared and reviewed, DOE awaiting NRC TER to finalize and approve
- Decision is made by the Assistant Manager for Environmental Management and is anticipated by January 2012
SCDHEC’s Approval of Tanks 18 and 19
Closure Module

- Regulatory Driver: Pollution Control Act, Industrial Wastewater Regulations
- Decision: Approve closure of Tanks 18 and 19
- Status: Closure Module has been reviewed by SCDHEC and EPA, comment resolution underway, and 45 day public comment period anticipated ~ November 2011
  - Public meeting planned (TBD)
- SCDHEC’s Director of Water Facilities Permitting approval is anticipated by March 2012
- DOE post for public access at: http://sro.srs.gov/f_htankfarmsdocuments.html
DOE/SCDHEC/EPA Agreement to Cease Waste Removal

- Regulatory Driver: Federal Facility Agreement
- Decision: Waste removal activities may cease for a specified tank or system
  - Basically the tank or system is clean enough to close
- Three agencies mutually agree: DOE, SCDHEC, and EPA
  - SCDHEC documents with approval of Closure Module
  - EPA documents in a Letter to DOE
  - DOE documents in Tier 2 Authorization
- Agreement is anticipated ~ March 2012
DOE’s Authorization to Close
Tanks 18 and 19

- Regulatory Driver: DOE Order and Manual 435.1
- Decision: To proceed with closure of Tanks 18 and 19 (Tier 2 Authorization)
  - Document all requirements have been met
  - Authorize and direct Operating Contractor to close the tanks
- Status: Pre-requisites underway, but not complete
- Decision is made by Savannah River Operations Office Site Manager and is anticipated by April 2012
Path Forward

- Upon receipt, DOE will evaluate NRC’s TER and proceed with F Tank Farm decisions, as appropriate. (January 2012)
  - Joint public meeting planned (TBD)
- Support completion of SCDHEC, EPA and DOE Tanks 18 and 19 decisions (March/April 2012)
  - Public meeting on Closure Module planned (TBD)
- Start grouting Tanks 18 and 19 (May 2012)
- Complete closure by FFA commitment (December 2012)