

Closure of H Tank Farm

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Savannah River Site Citizens Advisory Board March 23, 2015



Purpose

- Address Waste Management Committee 2015 Work Plan topic
- Provide update of H-Area Tank Farm Closure
 - Status of Regulatory Drivers
 - Closure Schedule and Public Comment Opportunities
 - Tank 16
 - Tank 12
 - Questions?

SRR Liquid Waste Program (with current status)



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Acronyms

CERCLA Comprehensive Environmental Response, Compensation and Liability Act DOE Department of Energy FPA Environmental Protection Agency FFA Federal Facility Agreement HTF H Tank Farm LWTRSAPP Liquid Waste Tank Residual Sampling and Analysis Program Plan Liquid Waste Tank Residual Sampling Quality Assurance Program Plan LWTRS-QAPP NDAA Ronald W. Reagan National Defense Authorization Act for Fiscal Year 2005 NEPA National Environmental Policy Act NRC Nuclear Regulatory Commission RCRA Resource Conservation and Recovery Act SCDHEC South Carolina Department of Health and Environmental Control Savannah River Remediation SRR SRS Savannah River Site



H–Tank Farm



Waste Storage Tank Types



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SRS Tank Closure Regulatory Roadmap for Tanks 16H and 12H as of March 16, 2015



Tank 16H Primary Tank Waste Removal by Phase



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Panoramic View of Tank 16H Primary Tank After Waste Removal



Tank 16H Annulus Waste Removal by Phase



safety 🔹 performance 🗞 cleanup 🚸 closure



safety 🚸 performance 🚸 cleanup 🚸 closure

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- Tank 16 Closure Module public review March 10, 2015 April 9, 2015
 - Based on residual waste sample analysis
 - Submit comments to: Bridget Clarke, SCDHEC/Water, 2600 Bull Street, Columbia SC 29201-1708 or email <u>clarkebm@dhec.sc.gov</u>
 - Public meeting at 6:00 pm on March 25, 2015 at Aiken Design Center
 - Documents posted on DOE web site at http://sro.srs.gov/fhtankfarm.html
- Final agency approvals (SCDHEC, EPA, and DOE) expected about June 2015
- Grouting of Tank 16 planned to be between June September 2015
- Federal Facility Agreement Closure date is October 27, 2015

Tank 12H Waste Removal by Phase



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Panoramic View of Tank 12H Primary Tank After Waste Removal



100-Meter Member of Public Groundwater Pathway Dose with Tank 12 and 16 Individual Contributions



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Dadiological Diek

Breakdown of radiation exposure sources associated with the 620 mrem/yr average annual dose to person living in United States



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Tank 12 Closure Schedule

- Tank 12 Closure Module 2 Step Process
 - Closure Module
 - Public review anticipated for 3rd quarter FY 2015
 - Based on forecasted inventory and Tank 16 Special Analysis
 - Closure Module Addendum
 - Public review anticipated for 1st quarter FY 2016
 - Based on residual waste sample analysis and Tank 12 Special Analysis
 - All documents will be posted on DOE website at <u>http://sro.srs.gov/fhtankfarm.html</u>
- Final agencies approvals (SCDHEC, EPA, and DOE) expected 2nd quarter FY 2016
- Grouting of Tank 12 by end of 3rd quarter FY 2016
- Agencies are discussing Federal Facility Agreement closure date

HTF Closure Summary

- DOE completed HTF Closure decisions in December 2014
- Activities underway to complete grouting of Tank 16 by September 30, 2015
 - Public Comment period ends April 9, 2015
 - Public Meeting Wednesday, March 25, 2015 at Aiken Design Center
- Activities underway to complete grouting of Tank 12 by the end of 3rd quarter FY 2016
 - Two public comment periods
 - Closure Module anticipated for 3rd quarter FY 2015
 - Closure Module Addendum anticipated for 1st quarter FY 2016
- Questions?

DOE will post documents at http://sro.srs.gov/fhtankfarm.html