



**Savannah River  
Remediation**

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# DOE/SRR Liquid Waste Operations Quarterly FFA Update



## TANK CLOSURE STATUS

1/1/2014 - 3/31/2014

May 21, 2014

**Dan Wood**

Director, Tank Closure and Regulatory

SRR-CWDA-2014-00050

*We do the right thing.*

- Overall program update
- Current tank status
- Focus areas

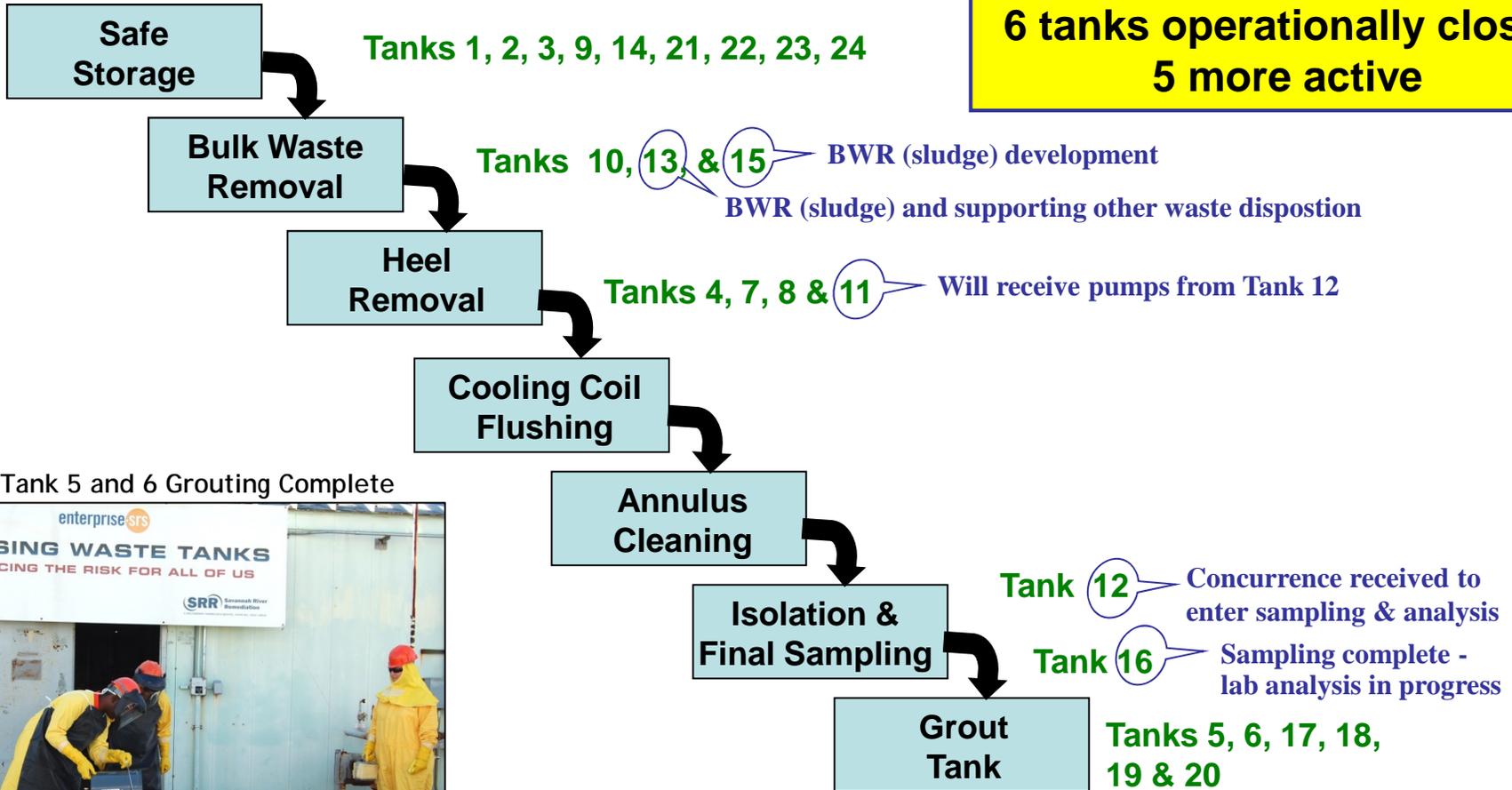
Tank	Bulk Waste Removal						DOE, SCDHEC, EPA Approvals	Tank Cleaning			DOE, SCDHEC, EPA Concurrence	Residual		Isolate Tank [2]	Closure Docs Approved (C/M/R/D/T/R?)	FFA Closure Forecast [1]	FFA Closure Commitment (CY)
	Phase I			Remaining Phases				Mechanical	Chemical	Annulus		Sample	Analyze				
	Prep	Mix	Transfer	Prep	Mix	Transfer											
17							D/S/E		N/A	N/A	D/S/E						
20							D/S/E		N/A	N/A	D/S/E						
18							D/S/E		N/A	N/A	D/S/E					2012	2012
19							D/S/E		N/A	N/A	D/S/E					2012	2012
5							D/S/E				D/S/E					2013	2015
6							D/S/E				D/S/E					2013	2015
16							D/S/E				D/S/E		Sep-14			at risk	2015
12							D/S/E			N/A	D/S/E	Sep-14				at risk	2015
11							D/S/E	Oct-14								2018	2017
4							D/S/E	Feb-24								2028	2021
7							D/S/E	Apr-25								2028	2022
8							D/S/E	Apr-25								2028	2022
24						Jul-17				N/A						2027	2022
21				Jul-17						N/A	N/A					2025	2022
22				Jul-17						N/A	N/A					2026	2021
13			Jun-20													2023	2022
3		May-22														2028	2021
10					Feb-14	Feb-14										2022	2017
14	May-16															2024	2019
15	May-15															2024	2021
9	Mar-20															2024	2021
2	Feb-22															2028	2022
23	Oct-16									N/A	N/A					2026	2019
1	Feb-23															2028	2022

Key:	
Mo-Yr	Activity planned start or resume (mo/yr)
Green	Activity is complete
N/A	Activity is not needed
Mo-Yr	Activity is in progress, projected finish (mo/yr)
Red box or text	Red box or text denotes change vs. last report

# Tank Closure Progression

*We do the right thing.*

**6 tanks operationally closed  
5 more active**

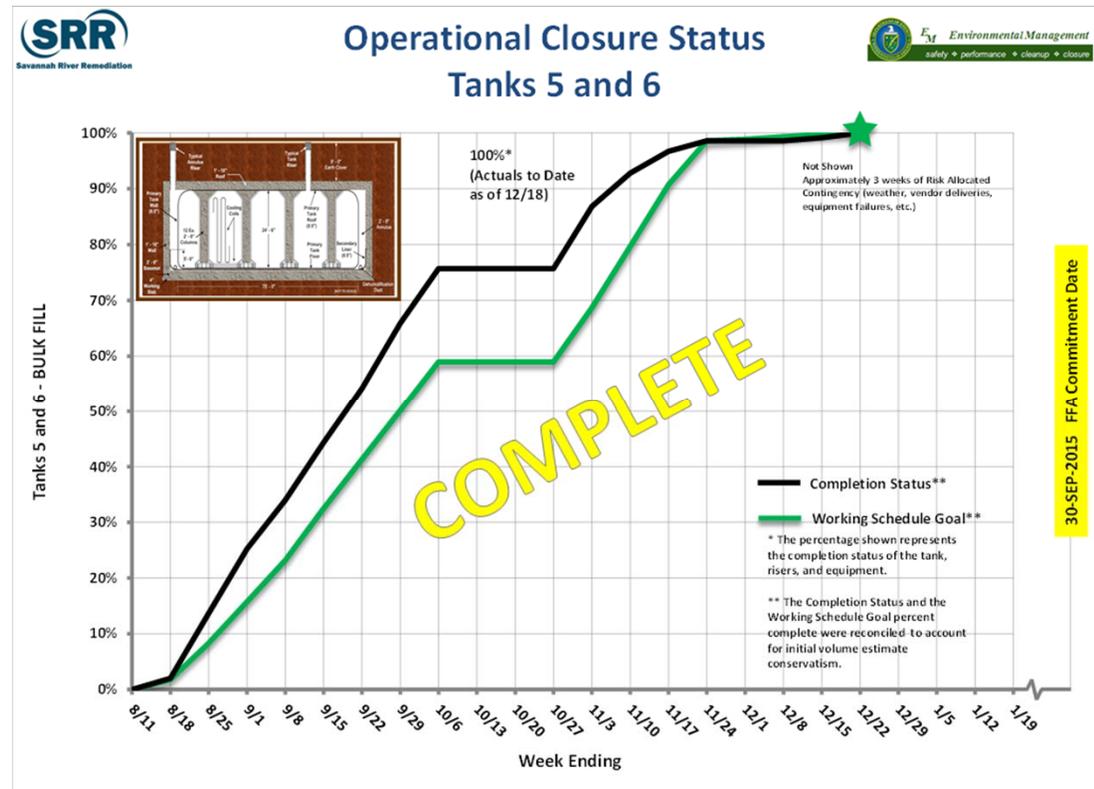


Tank 5 and 6 Grouting Complete



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- Explanation of Significant Difference (ESD) submitted for SCDHEC/EPA review
- Configuration Report (FCR) submitted for SCDHEC/EPA review



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- Received concurrence to enter sampling and analysis phase
- Resumed work on sampling activities including relocation of pumps to Tank 11
- Tank in 'Closure Mode' to support drying, heater design in progress
- Developing sampling and analysis plans



Tank 12 Post-Chemical Cleaning

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- Initial bulk sludge removal campaigns complete
- Provided feed for DWPF sludge batches
- Will serve as “hub” tank supporting waste disposition and future BWREs (e.g. Tanks 14 &15)
- Replacement of two SMPs scheduled for FY15

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- Ventilation restoration in progress
- BWRE design in progress and initiated planning of field work packages for 'rewet' of dried sludge
- Procurement and testing of SMPs for future BWRE underway



Tank 15 Primary Tank Ventilation Components



New SMP Testing at TNX

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- Primary and Annulus sample laboratory analysis underway
- Resumed isolation and grout preparation work
- Closure Module development underway



Tank 16 during Sampling

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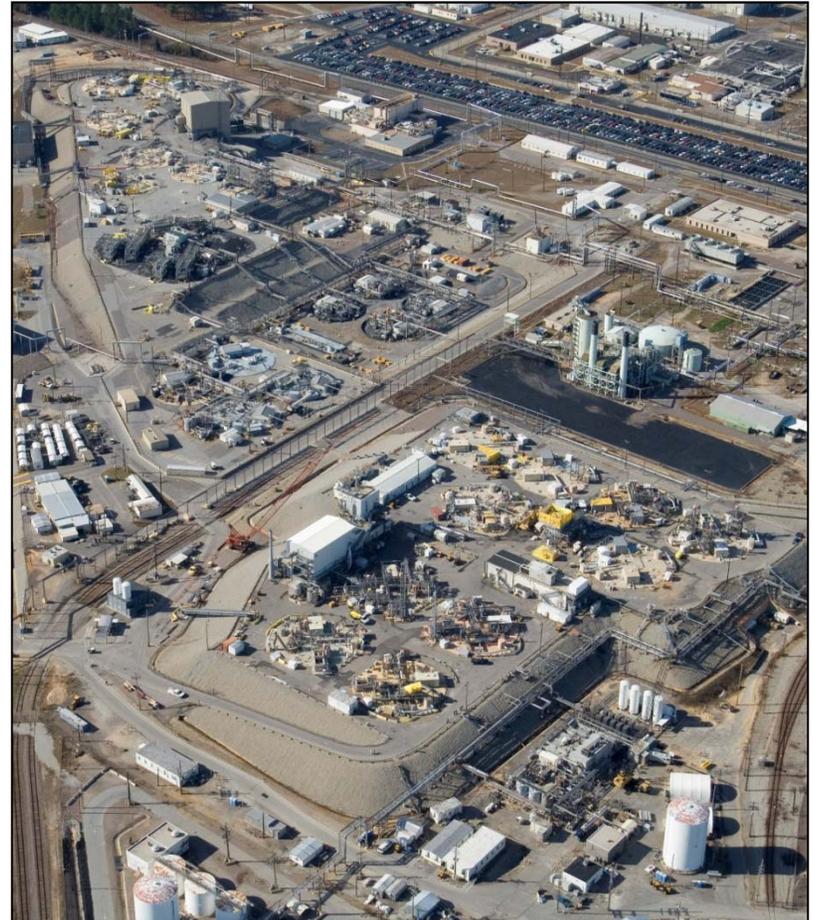
- Received approval from SCDHEC to remove Tanks 18/19 from IWW Permit
- Tanks 17-20 ICMI/RAIP
  - Received approval from SCDHEC and EPA
- Interim Remedial Action (IRA) Start transmitted



Recent view of Tanks 18/19

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- NRC Technical Evaluation Report (TER) expected in May 2014
- DOE-SR working with DOE-HQ to obtain H-Tank Farm Waste Determination approval later this year



H-Area Tank Farm

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- Tanks 5 and 6 demobilization, ESD and FCR
- Tank 12 sampling preparations\*
- Tank 15 BWRE design, ventilation restoration and rewet field modifications
- Tank 16 sample analysis, regulatory documents, isolation and grout preparations\*

*\* Evaluating schedules and options for optimizing remaining work, as FY15 FFA App. L milestone is "at-risk"*