

Draft Waste Incidental to Reprocessing Evaluation Timeline

Working Timeline for the Draft Waste Incidental to Reprocessing Evaluation (WIR) for Closure of Waste Management Area C at the Hanford Site

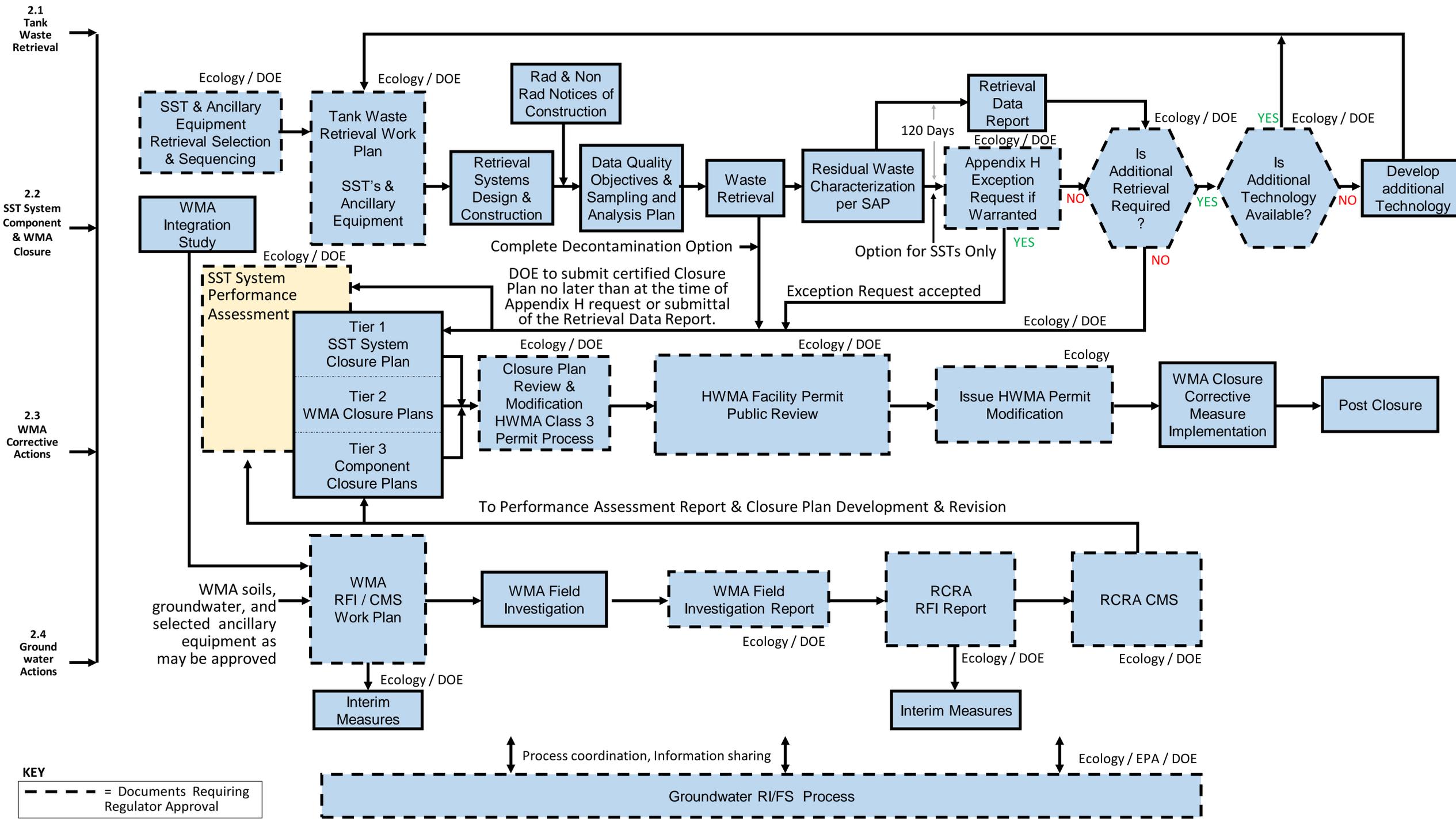


Specific Dates to be announced

 Conference calls may take place up to the time that DOE issues a Final WIR Evaluation

 = Link available online

Single-Shell Tank Waste Management Area (WMA) Waste Retrieval and Closure



All C Tank Farm Tanks Have Been Retrieved to Regulatory Standards



- Capacity of tank: 530 Kgals
- Completion date: Sept 12, 2013
- Volume removed: 73 Kgals
- Residual waste: 4,995 Gal (668 ft³)



- Capacity of tank: 530 Kgals
- Completion date: May 8, 2015
- Volume removed: 301 Kgals
- Residual waste: 15,480 Gal (2,069 ft³)



- Capacity of tank: 530 Kgals
- Completion date: Aug 26, 2006
- Volume removed: 75 Kgals
- Residual waste: 2,528 Gal (338 ft³)



- Capacity of tank: 530 Kgals
- Completion date: Aug 17, 2012
- Volume removed: 257 Kgals
- Residual waste: 1,624 Gal (217ft³)



- Capacity of tank: 530 Kgals
- Completion date: Nov 3, 2017
- Volume Removed: 121 Kgals
- Residual waste: 1,463 Gal (196ft³)



- Capacity of tank: 530 Kgals
- Completion date: Dec 31, 2003
- Volume removed: 246 Kgals
- Residual waste: 2,771 Gal (370 ft³)



- Capacity of tank: 530 Kgals
- Completion date: Aug 7, 2014
- Volume removed: 210 Kgals
- Residual waste: 9,460 Gal (1,265 ft³)



- Capacity of tank: 530 Kgals
- Completion date: March 22, 2012
- Volume removed: 63 Kgals
- Residual waste: 2,968 Gal (397ft³)



- Capacity of tank: 530 Kgals
- Completion date: Sept 12, 2012
- Volume removed: 62 Kgals
- Residual waste: 1,717 Gal (230ft³)



- Capacity of tank: 530 Kgals
- Completion date: Oct 16, 2013
- Volume removed: 176 Kgals
- Residual waste: 1,776 Gal (237 ft³)



- Capacity of tank: 530 Kgals
- Completion date: March 30, 2016
- Volume removed: 52 Kgals
- Residual waste: 4,890 Gal (654 ft³)



- Capacity of tank: 530 Kgals
- Completion date: Jan 31, 2014
- Volume removed: 94 Kgals
- Residual waste: 10,500 Gal (1,404 ft³)



- Capacity of tank: 55 Kgals
- Completion date: March 23, 2006
- Volume removed: 716 Gals
- Residual waste: 144 Gal (19 ft³)



- Capacity of tank: 55 Kgals
- Completion date: Aug 11, 2005
- Volume removed: 1,253 Gals
- Residual waste: 147 Gal (20 ft³)



- Capacity of tank: 55 Kgals
- Completion date: March 24, 2005
- Volume removed: 2,501 Gals
- Residual waste: 139 Gal (19 ft³)



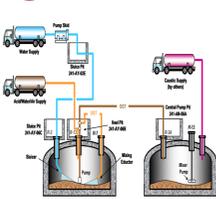
- Capacity of tank: 55 Kgals
- Completion date: Dec 11, 2006
- Volume removed: 1,351 Gals
- Residual waste: 137 Gal (18 ft³)

Total Volume of Waste Retrieved
(~1.8M Gallons)

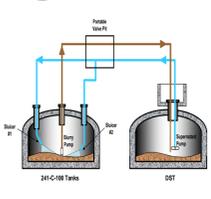
Total Residual Waste Remaining
(62,900 Gallons)

Retrieval Methodology Key

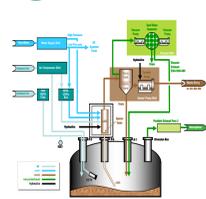
Acid Dissolution



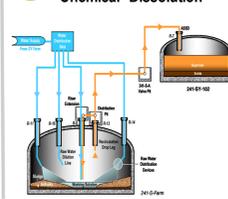
Modified Sluicing



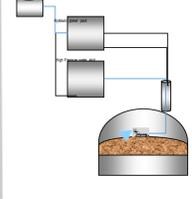
Vacuum Retrieval



Saltcake Dissolution/Chemical Dissolution



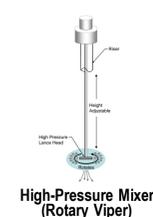
High-Pressure Water



Remote Water Lance (Salt Mantis)



Mobile Retrieval Tool (Foldtrack)



High-Pressure Mixer (Rotary Viper)



Mobile Arm Retrieval System (MARS) Sluicing



Mobile Arm Retrieval System (MARS) Vacuum



Enhanced Reach Sluicing System (ERSS) + High-Pressure Water

DOE Manual 435.1-1 Chapter II, section B(2)(a) provides in pertinent part that wastes determined to be incidental to reprocessing:

1. Have been processed, or will be processed, to remove key radionuclides to the maximum extent that is technically and economically practical; and
2. Will be managed to meet safety requirements comparable to the performance objectives set out in 10 CFR 61 Subpart C...; and
3. Are to be managed, pursuant to DOE's authority under the [AEA]..., provided the waste will be incorporated in a solid physical form at a concentration that does not exceed the applicable concentration limits for Class C LLW as set out in 10 CFR 61.55...