









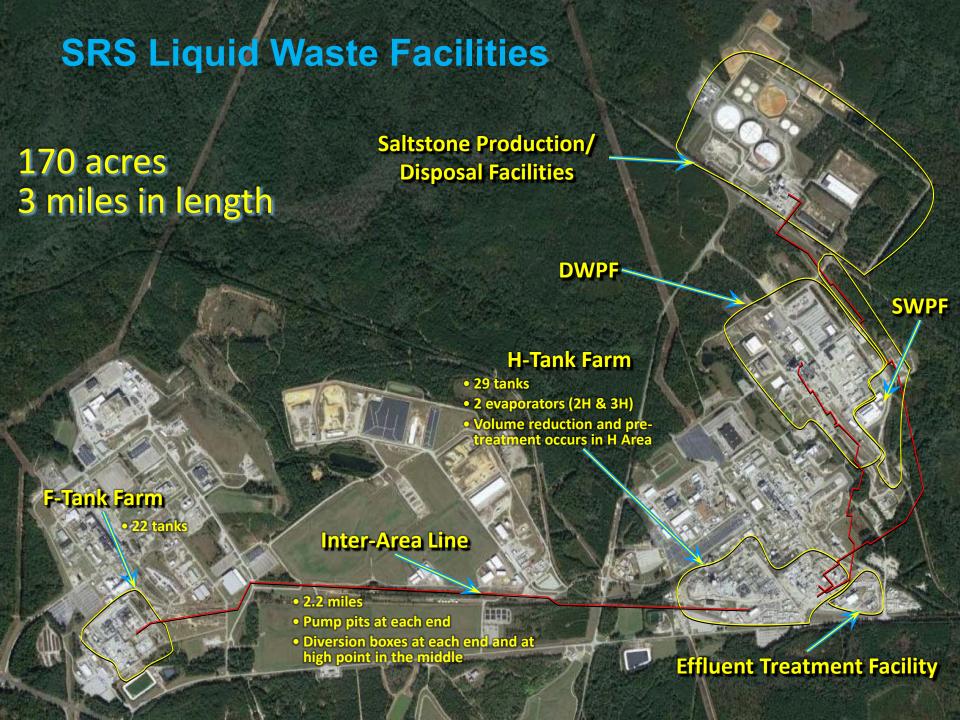




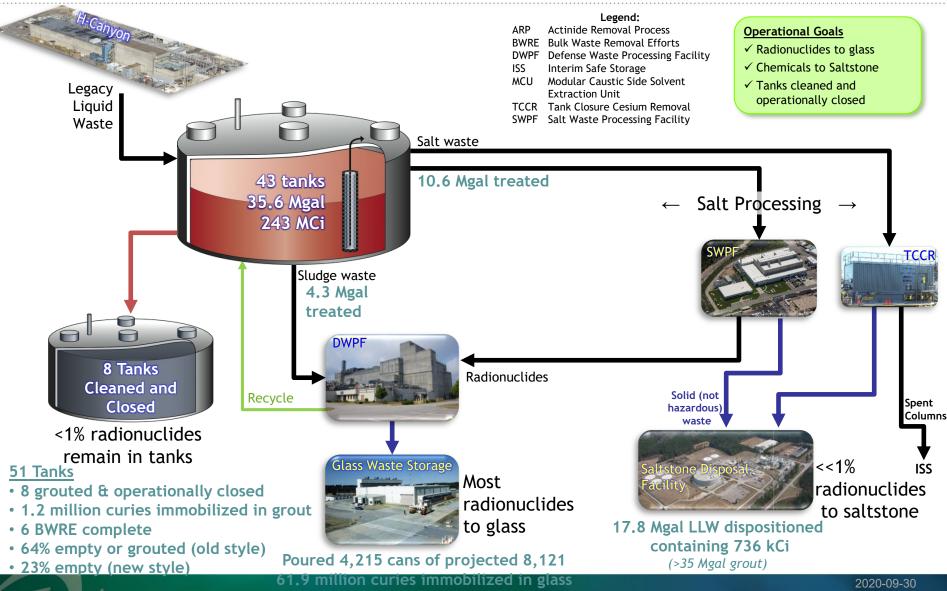


Savannah River Site Integrated Liquid Waste Program

February 2021



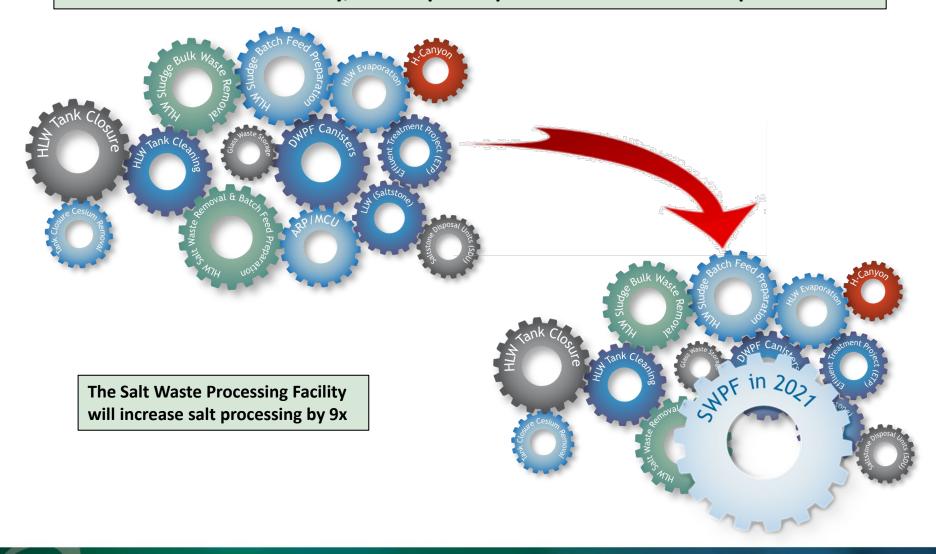
SRS Liquid Waste Program



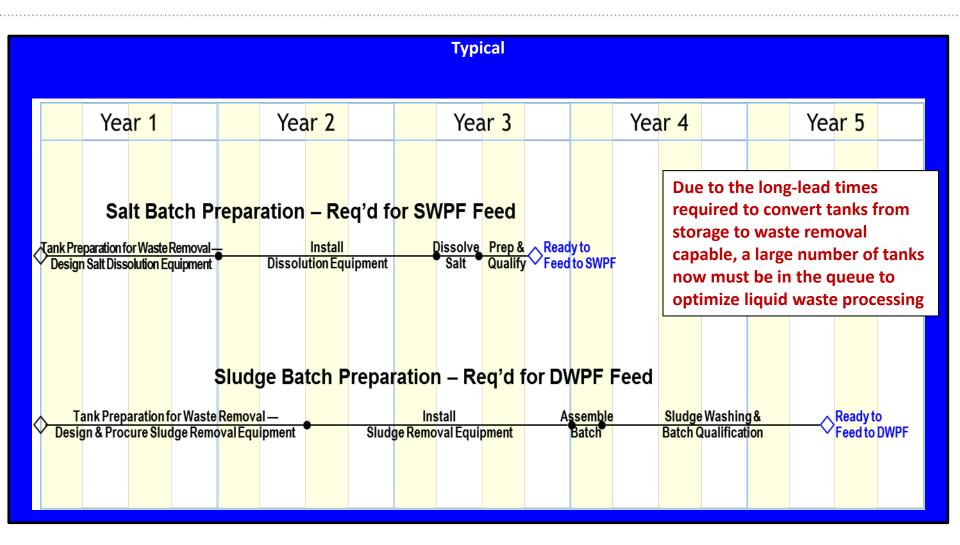
Liquid Waste System Planning & Integration

- SRS prepares a "System Plan" that lays out the path to mission completion.
 - Waste receipts, storage, transfers
 - H-Canyon receipts
 - Transfers, evaporation
 - Volume limitations
 - Waste removal and batching
 - Salt waste ~90% by volume (1 million gallons of salt cake ~3 million gallons of salt solution)
 - Sludge waste >50% of curies
 - Waste Processing Facility capacities are built-in to the models
 - End states identified
 - Technical hurdles to be resolved
 - Tank closures
 - Ancillary facility closures
 - Regulatory constraints / requirements
 - Funding requirements integrated with annual budget requests
 - Risk and opportunity management

Increase in salt processing requires significant increase in waste removal from salt and sludge tanks, treatment in the Defense Waste Processing Facility and the Saltstone Production Facility, and disposal space in the Saltstone Disposal Units



SWPF and DWPF Feed Preparation



SRS-EM Vision for the Future

<u>Liquid Waste (Tank Removal from Service)</u>

Remaining Tank Inventory

