Salt and Sludge Batch Preparation Overview

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SRS Tank Waste Inventory







SRS Liquid Waste Process Flow







SRS Liquid Waste Integration







HLW Sludge Batch Feed Preparation



- Batch recipes are based on accessible sludge heels
 - Formulated to meet nuclear safety & production requirements

SRMC

- Sludge is washed to remove excess salt solution
- Wash water can be evaporated or used in Salt Batch Preparation
- Sludge washing and DWPF recycle returns create 1.3 gallons of salt waste for every 1 gallon of sludge
- Maximizes HLW canister waste loading



HLW Salt Batch Feed Preparation





MC SAVANNAH RIVER

SION COMPLETION

- Batch recipes are based on a blend of salt sources
- Formulated to meet nuclear safety & production requirements
- Salt retrieval, preparation and batching increase waste volume by 3X
- Blend Tanks can be in the Makeup, Analysis, or Qualified stage independently
- Proven ability to compile a million-gallon SWPF batch in less than 90 Days
- Delivers over 92% of the tank waste material for SWPF batches and for TCCR dissolved salt solution processing

Liquid Waste System Footprint







Questions





