



We do the right thing.

SRR Project Update

Presented to the S.C. Governor's Nuclear Advisory Council



March 25, 2010

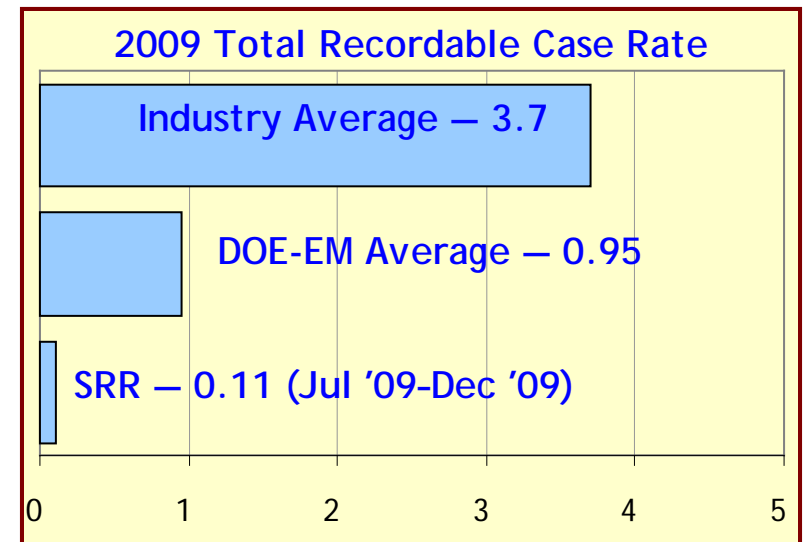
Dave Olson

Deputy Project Manager

Savannah River Remediation

- Safety
- ARRA Update
- Process Overview
- FY10 Objectives
- FY10 Specific Activities
 - Tank Operational Closure
 - Salt Processing
 - Sludge Processing
- Summary

- SRR continues to work safely
- SRR faces high-hazard work daily
- More than 13 million safe hours logged in by Liquid Waste workers
- ARRA safety still shows zero days lost to injury



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SRS Liquid Waste Infrastructure Upgrade

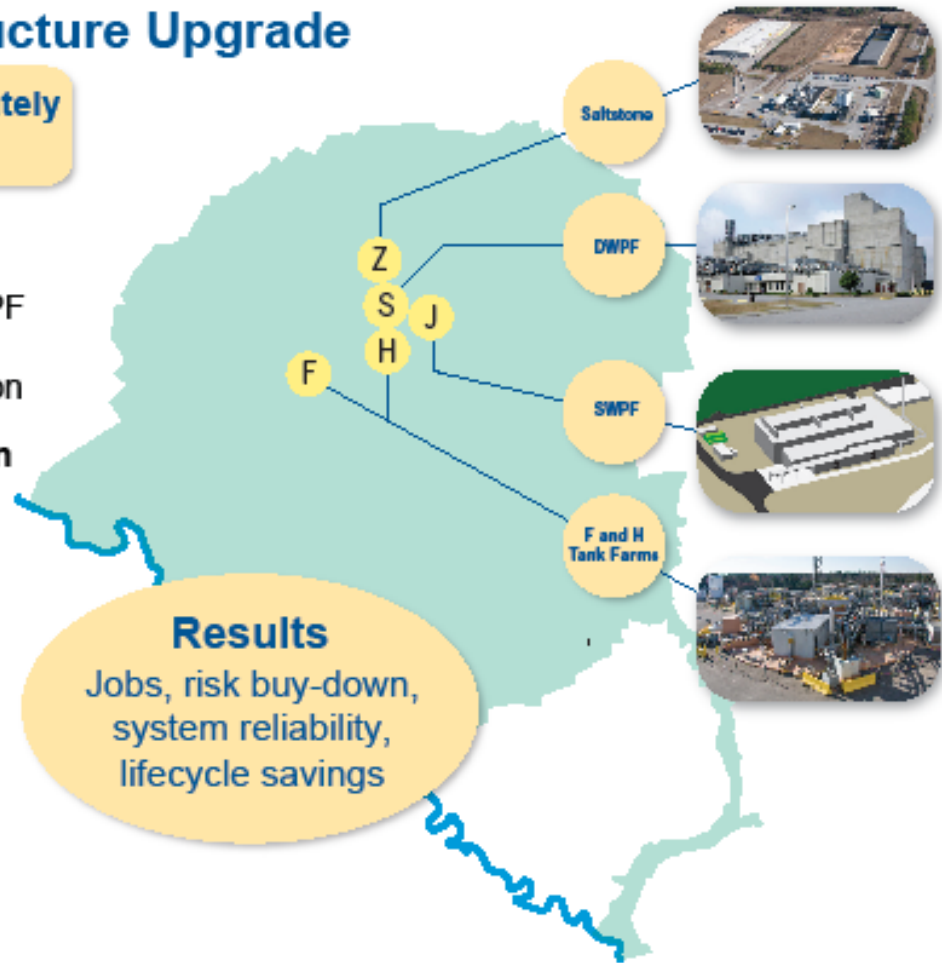
\$200 million investment and approximately 500 jobs created/retained in FY 2010

Accelerate Salt Waste Disposition

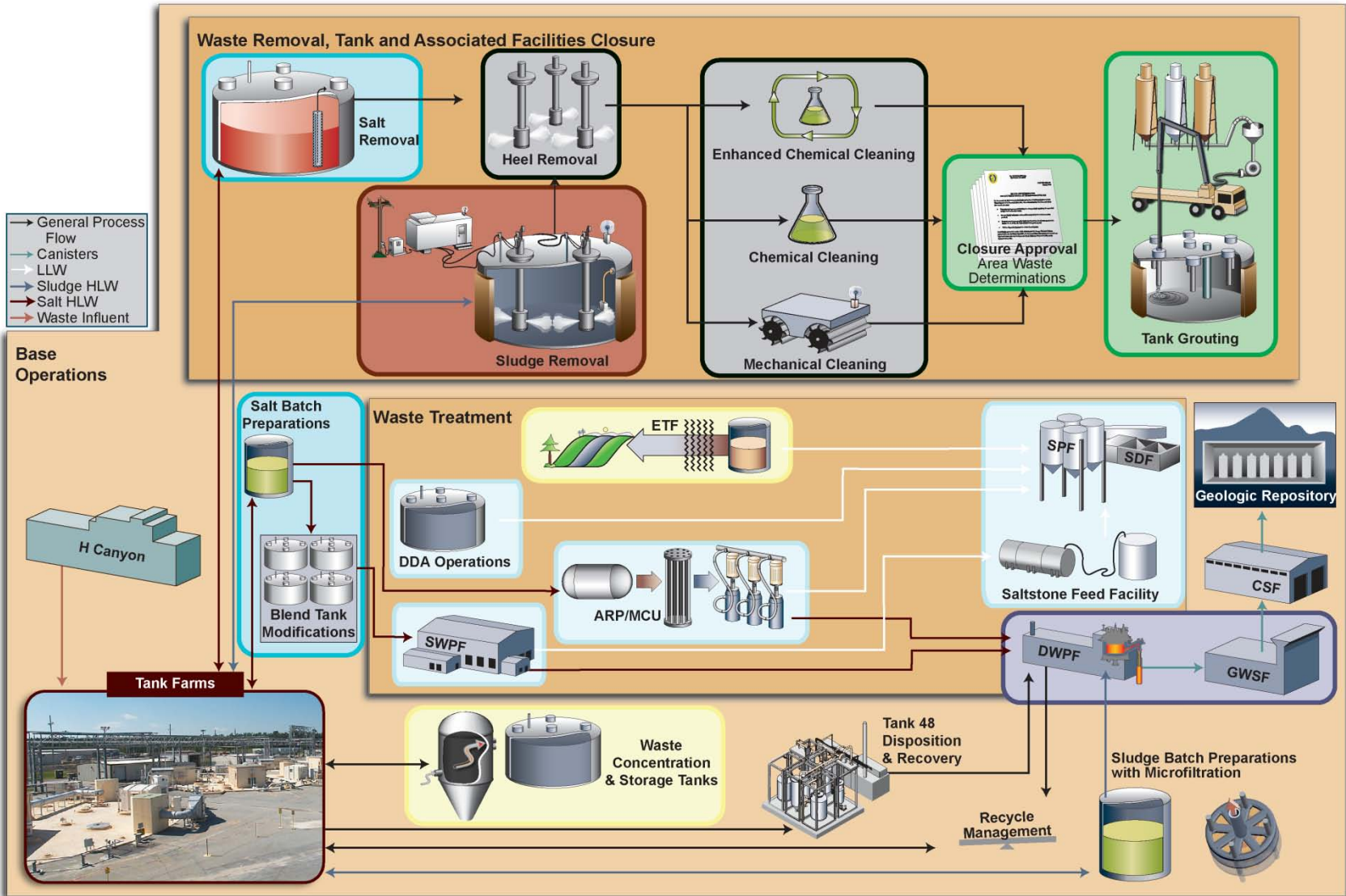
- Accelerate connection piping to SWPF
- Expand capacity for salt feed
- Install infrastructure for salt disposition

Accelerate Sludge Waste Vitrification

- Increase throughput
- Install infrastructure for faster sludge vitrification



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**3x Bulk
Waste
Removal**

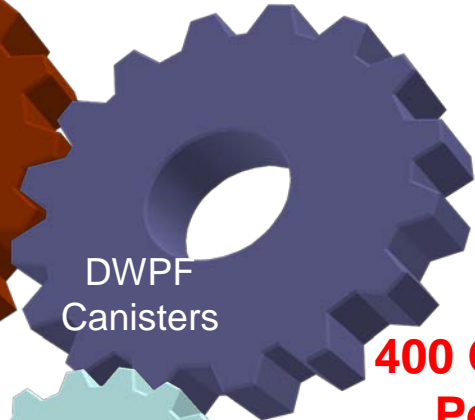
**22
Closures in
8 Years!**



2x Sludge Prep



2x Sludge Feed



**400 Canisters
Per Year**

**1/2 time for
documents**



2x Cleaning Rate



Salt Separation
(ARP/MCU)



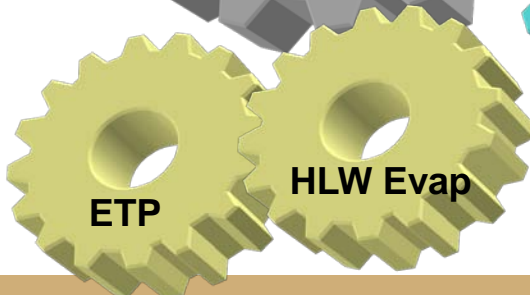
LL Waste
(Salt Stone)



HLW Salt Waste
Removal and
Batch Feed Prep



**2x Salt Prep
and Salt
processing**



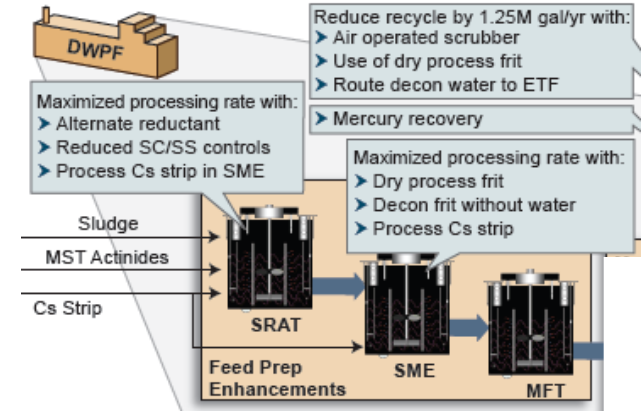
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Melter Bubblers

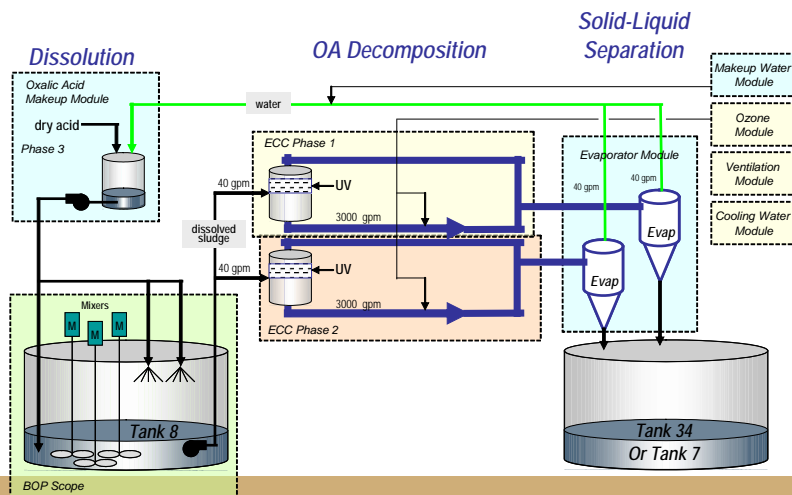


Thanks to Vitreous State
Laboratory

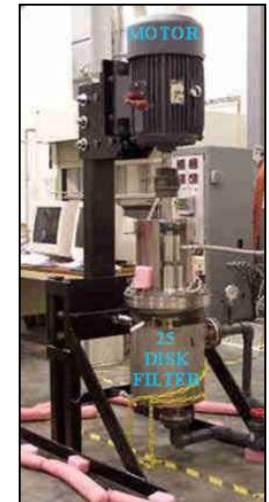
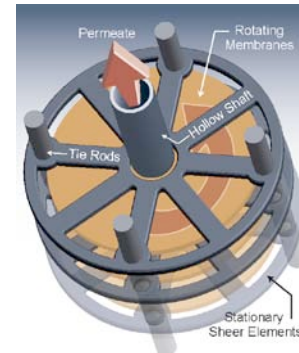
DWPF Process Enhancements



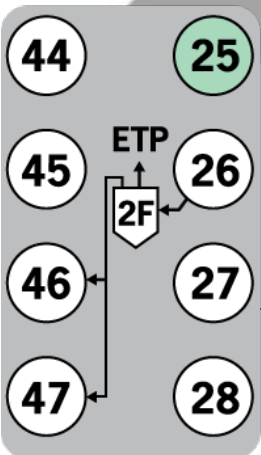
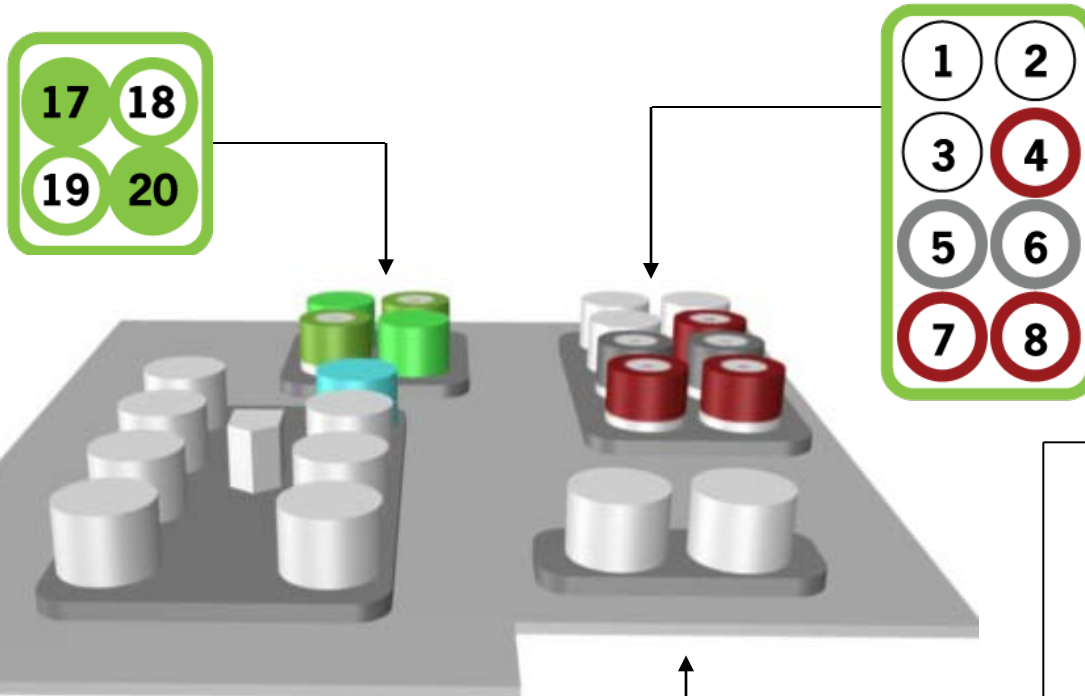
Enhanced Chemical Cleaning

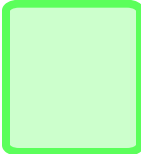









Rotary Microfiltration

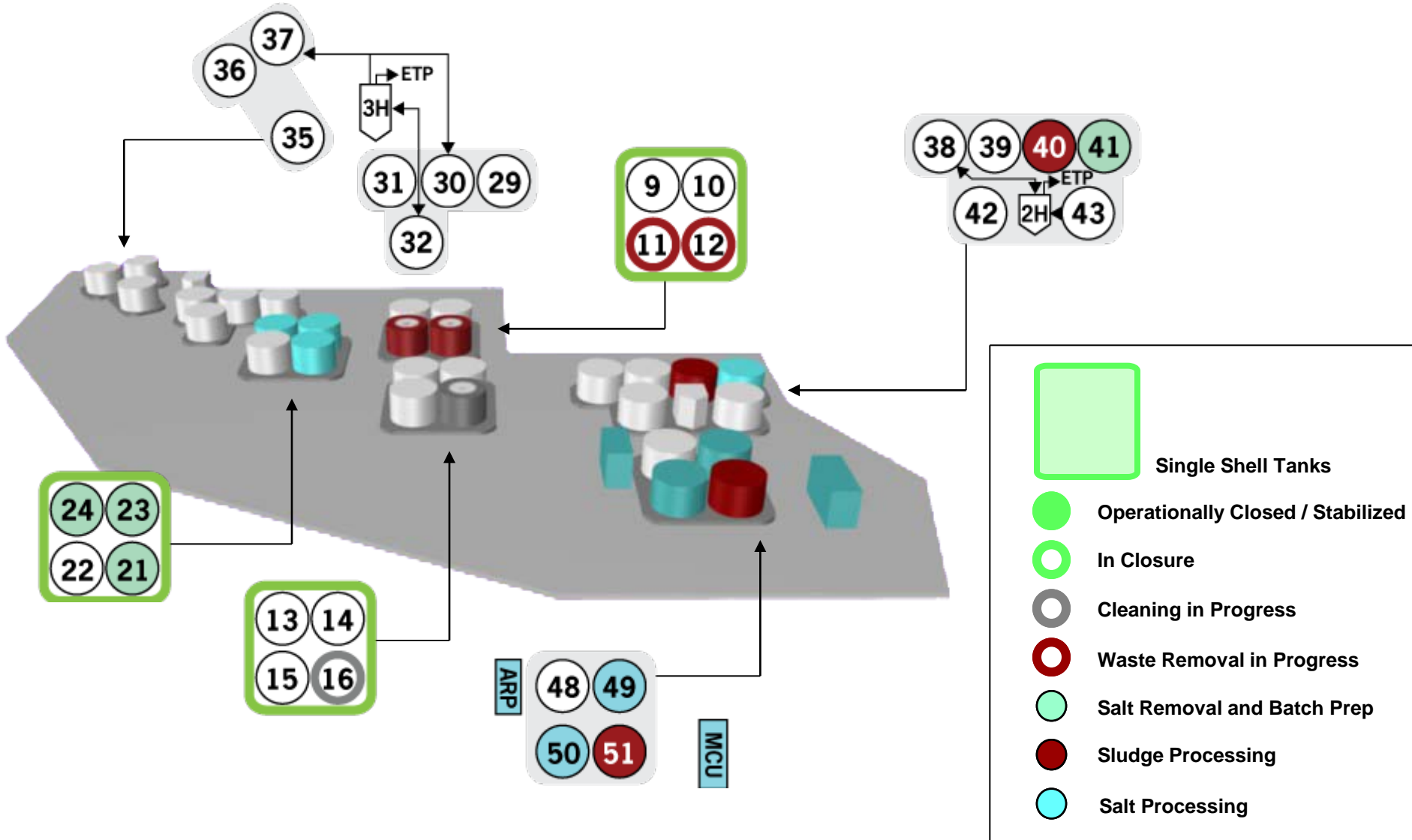


Tank Closure, F Tank Farm



-  Single Shell Tanks
-  Operationally Closed / Stabilized
-  In Closure
-  Cleaning in Progress
-  Waste Removal in Progress
-  Salt Removal and Batch Prep
-  Sludge Processing
-  Salt Processing

Tank Closure, H Tank Farm





- Mature Risk Management process fully integrated with planning process
- Risk Management process:
 - Identify risks
 - Mitigate risks via implementation of Risk Handling Strategies
- Risk Categories include:
 - Technology (including SRR proposed)
 - Business
 - Infrastructure
 - Interface

Overall Risk Profile decreased for FY10

- Fewer High Residual Risks
- Lower Program Contingency

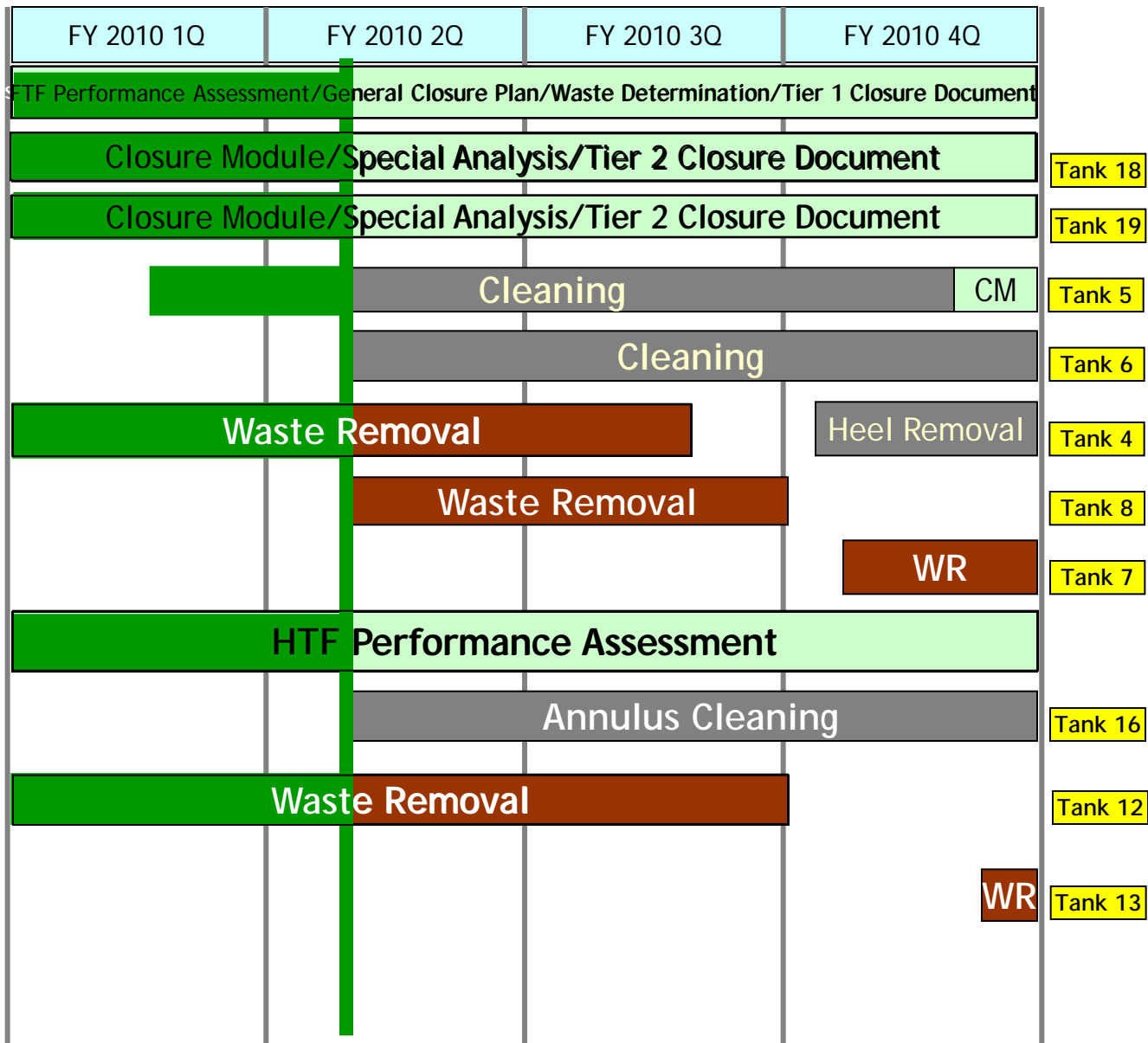
SRR is committed to operationally closing the 22 remaining Single Shell (Type I, II, and IV) tanks in the next 8 years



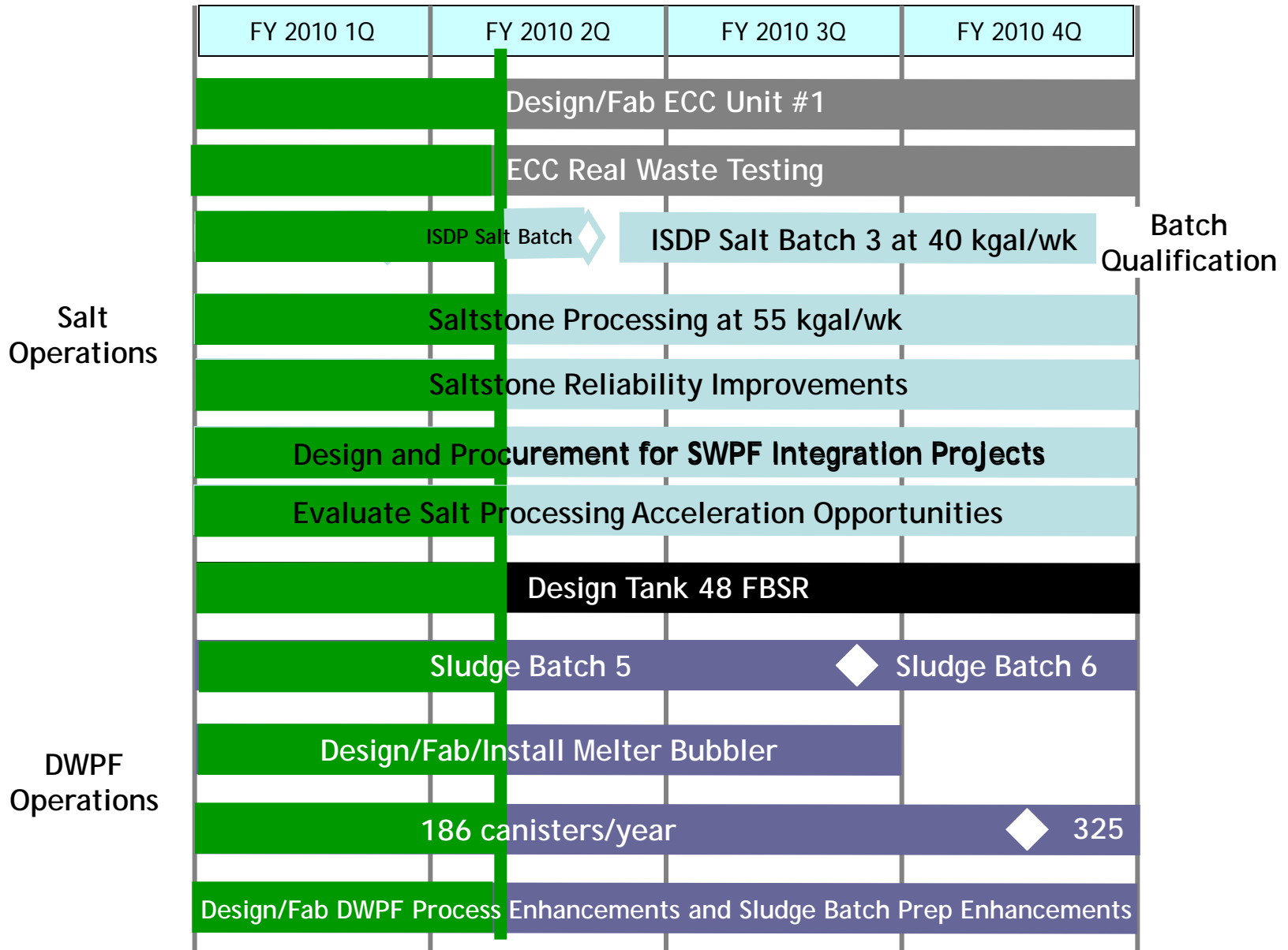
- Work with regulators to support accelerated tank closures over the next 8 years and begin implementation.
- Increase and sustain interim salt processing (ARP/MCU & SPF) throughput
- Initiate DWPF throughput enhancements

SRR Tank Operational Closure Schedule

System Plan Revision 15

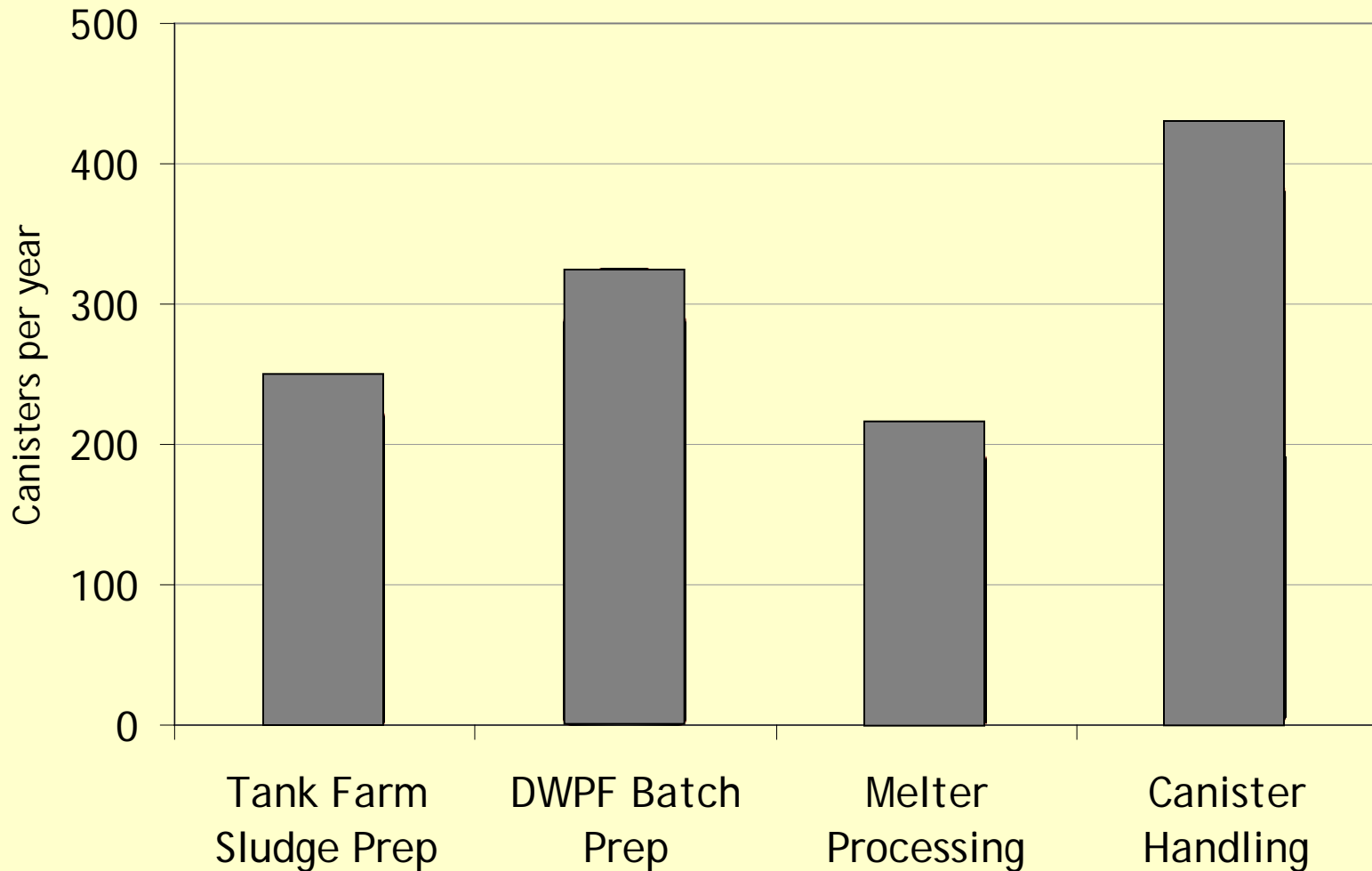


Our Approach

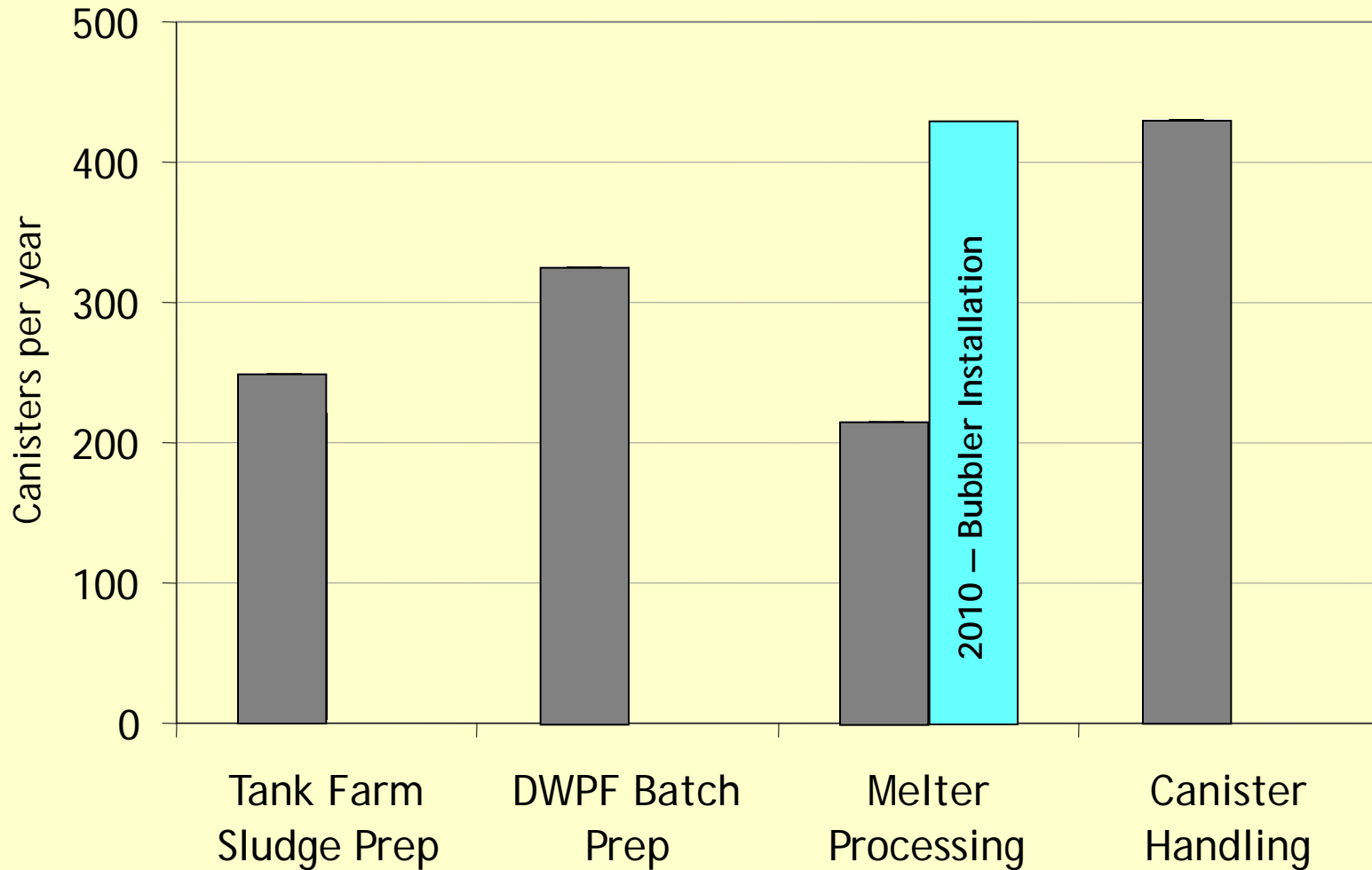


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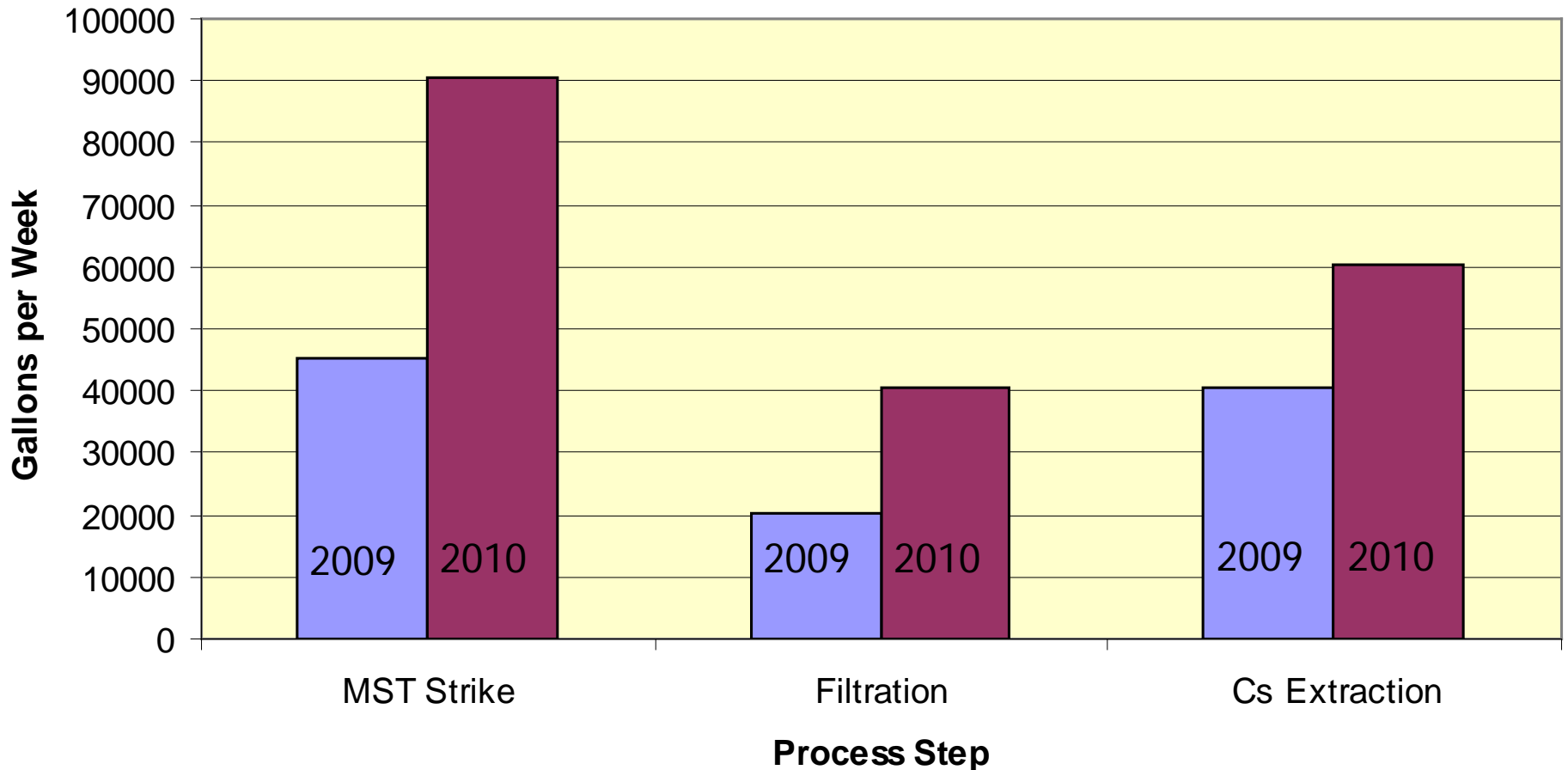
Unit Process Canister Production Capability



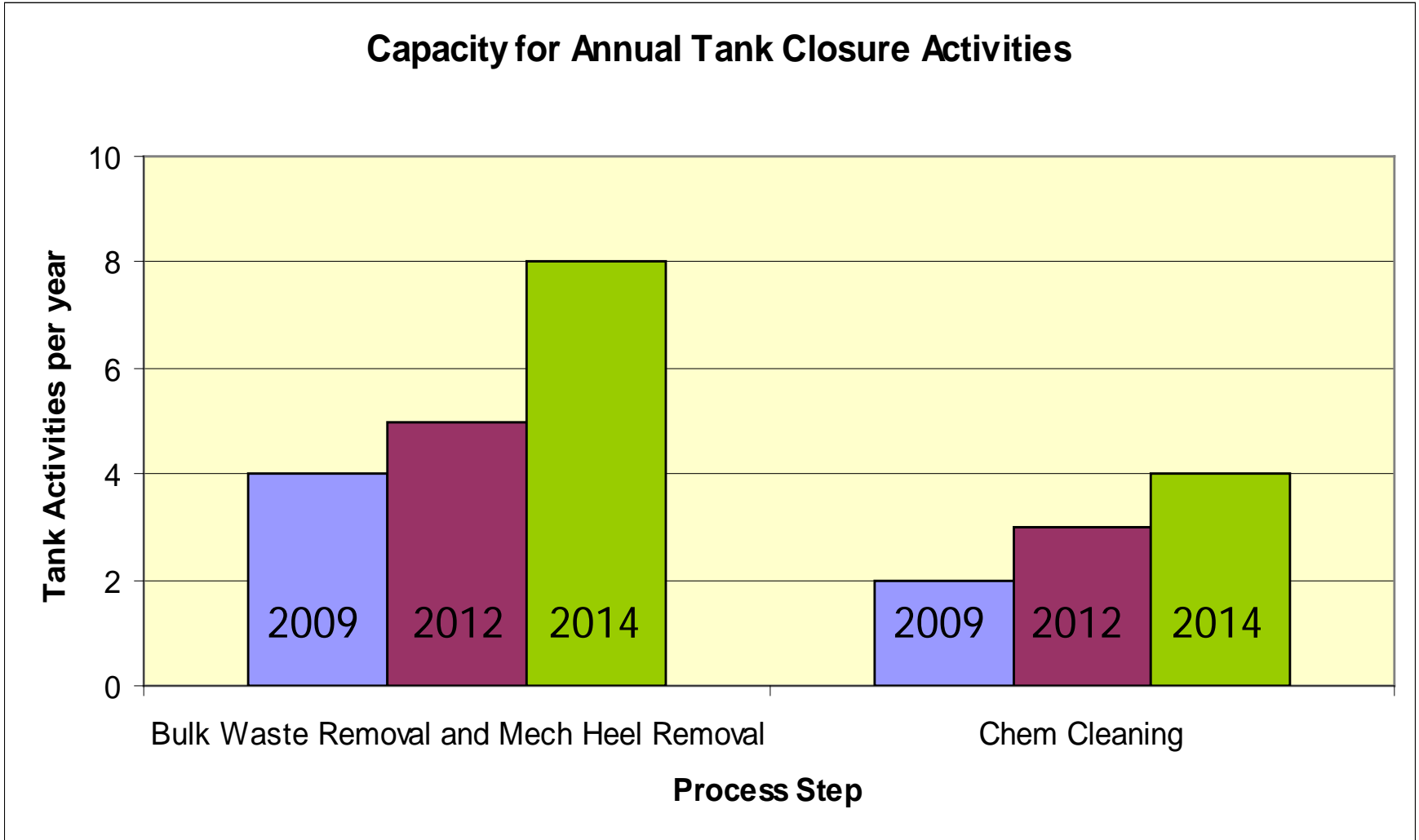
Unit Process Canister Production Capability

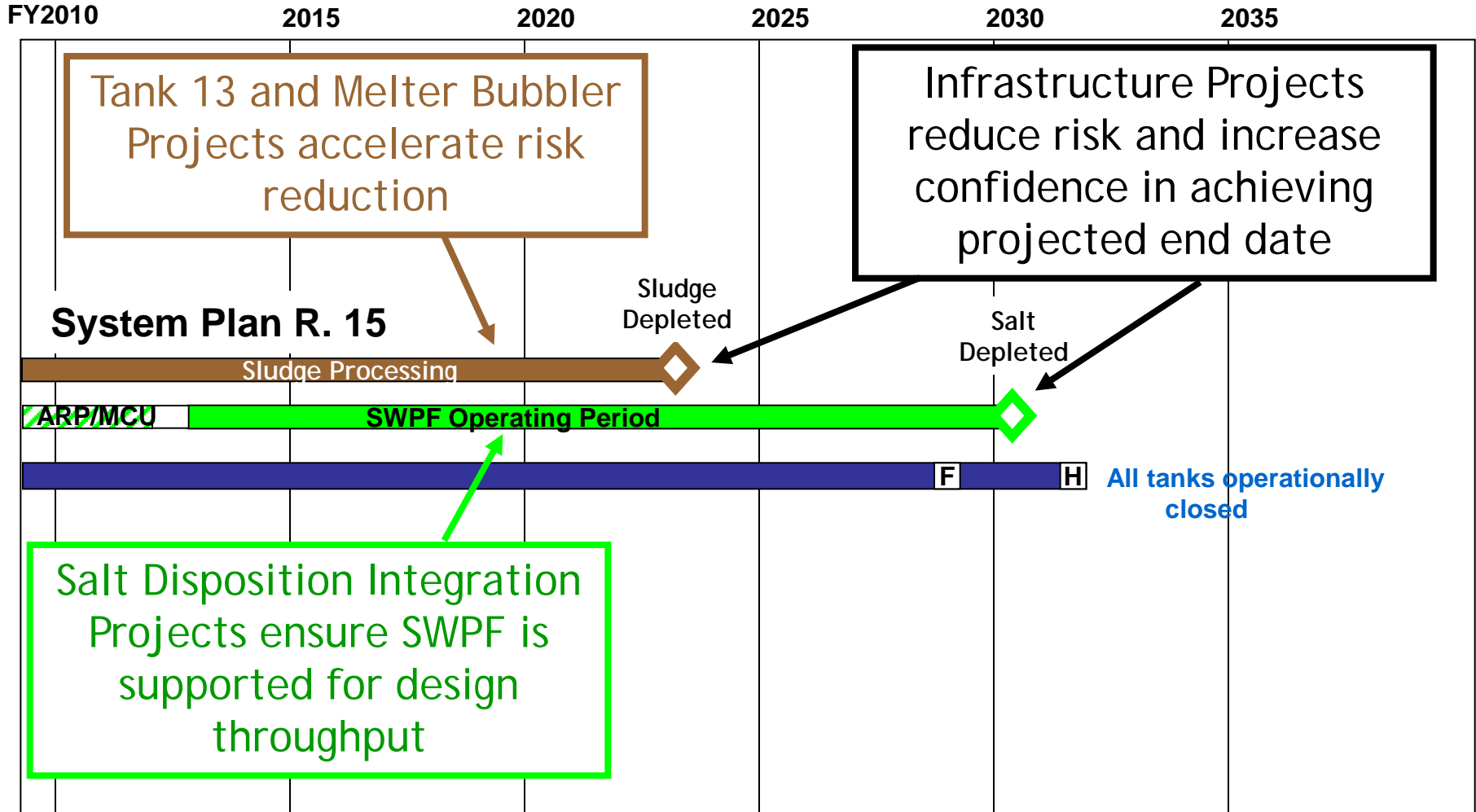


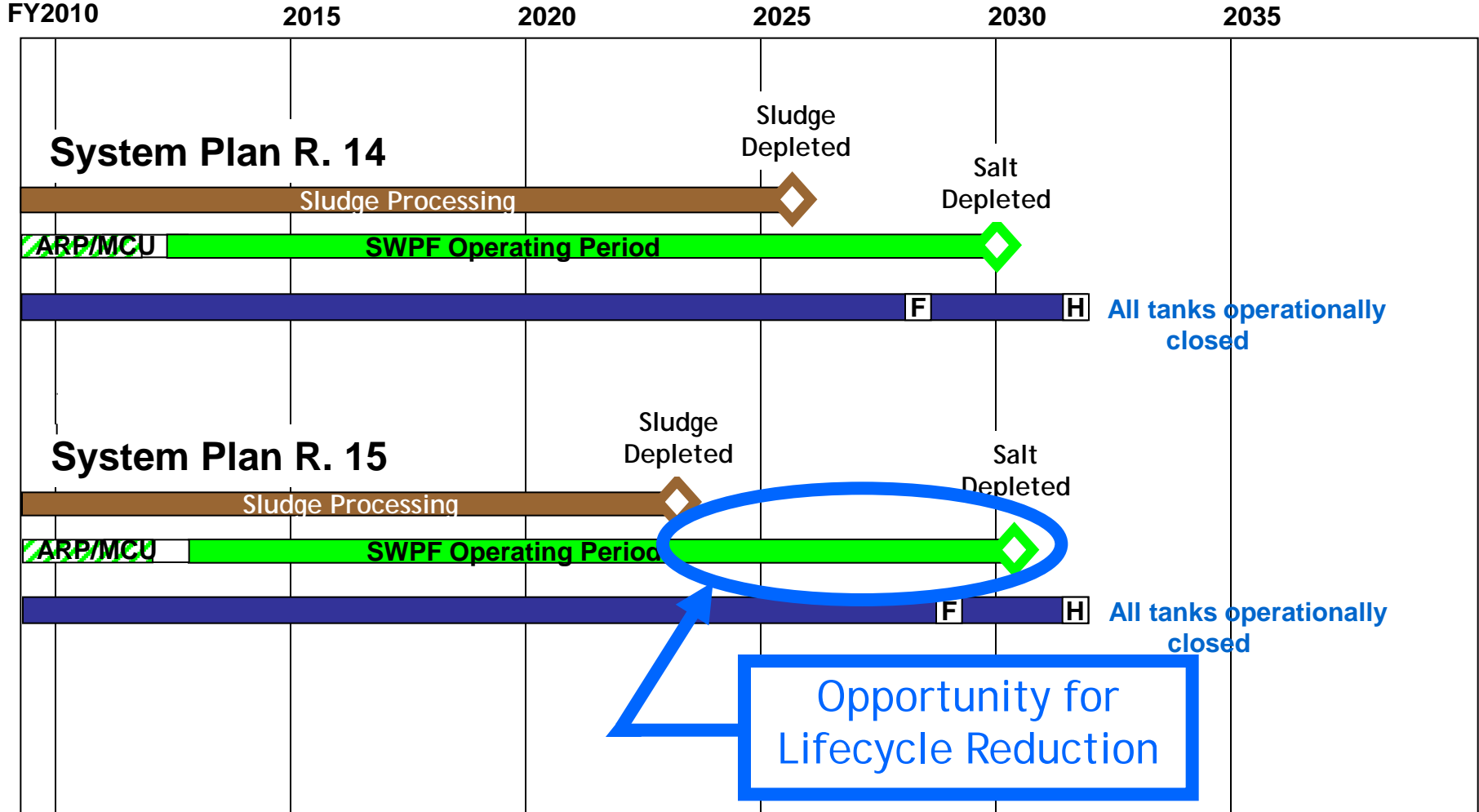
ISDP Weekly Processing Capacity



Capacity for Annual Tank Closure Activities







Opportunity for
Lifecycle Reduction

- Tank Operational Closure
 - Continue progress on Tanks 18, 19, 5, 6, 8, and 12 to meet FFA commitments
 - Work with regulators to support accelerated tank closures over the next 8 years and begin implementation
- Salt
 - Continue accelerated interim salt processing with ARP/MCU
 - Develop infrastructure to support SWPF upon startup
- Sludge
 - Accelerate DWPF processing rate to 325 canisters per year by end of FY10
 - Develop infrastructure to increase processing rate to 400 canisters per year in FY12