

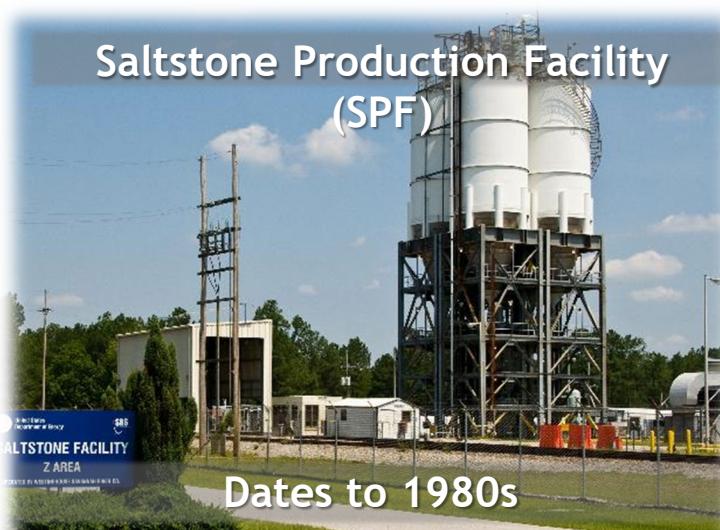
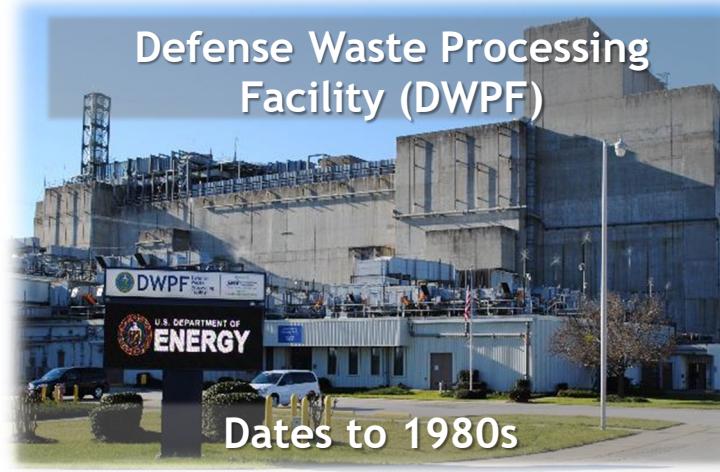


Liquid Waste Post-Outage Processing Update

Mike Borders
Executive Vice President – Chief Operations Officer

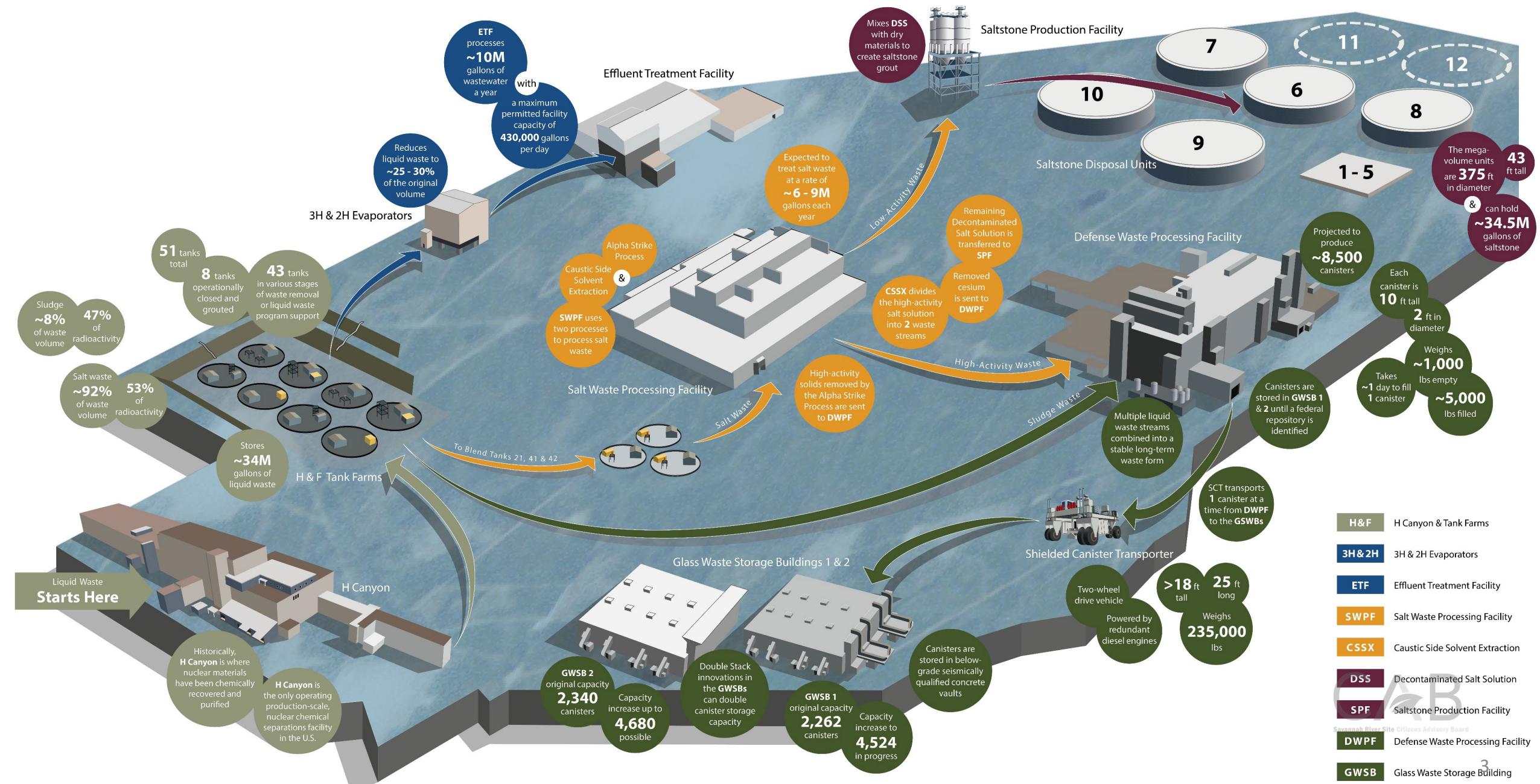
January 27, 2026

Liquid Waste (LW) Facilities



- **Integrated network of facilities**
- **Most are aged-facilities > 40 years**
- **Integrated system availability critical to mission execution**
- **Successfully completed spring outage and returned all facilities to operation**

SRS Liquid Waste Facilities



2025 Outage - Key Work Scopes

- **Facility Throughput**

- *Extended Cross Flow Filters (CFF)*
- *Centrifugal Contactor Replacements*
- *Centrifugal Contactor Vibration Monitoring*

- **Facility Availability**

- *DWPF Main Process Cell (MPC) Crane Upgrades*
- *512-S Lag Storage for SWPF Strip Solution*
- *Strip Effluent (SE) to Slurry Mix Evaporator (SME) modifications in DWPF*



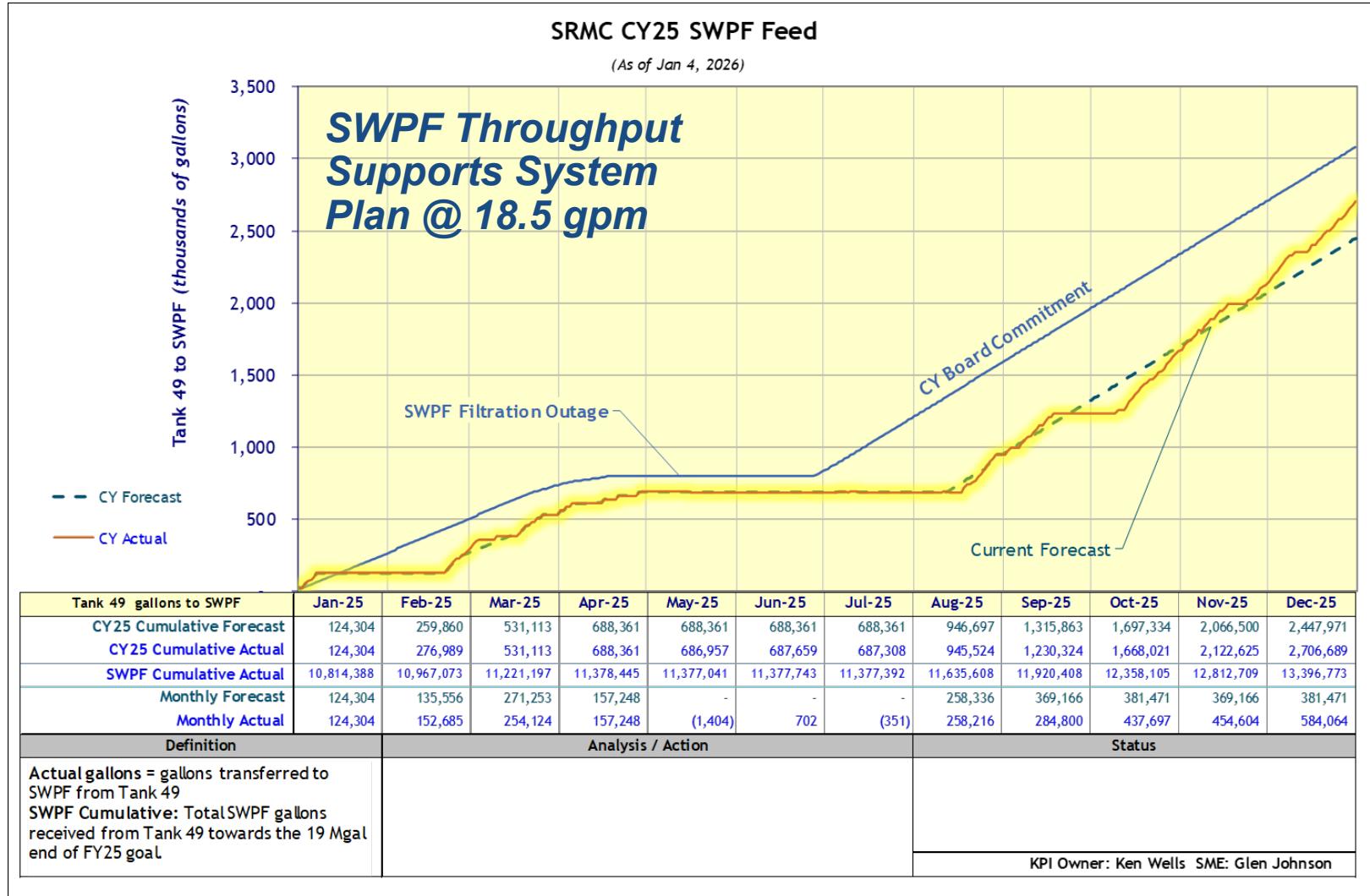
SWPF Centrifugal Contactor



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Operations Performance – Salt Processing

Multiple Processing Records



Records
7-Day
30-Day
60-Day
90-Day
Calendar Month

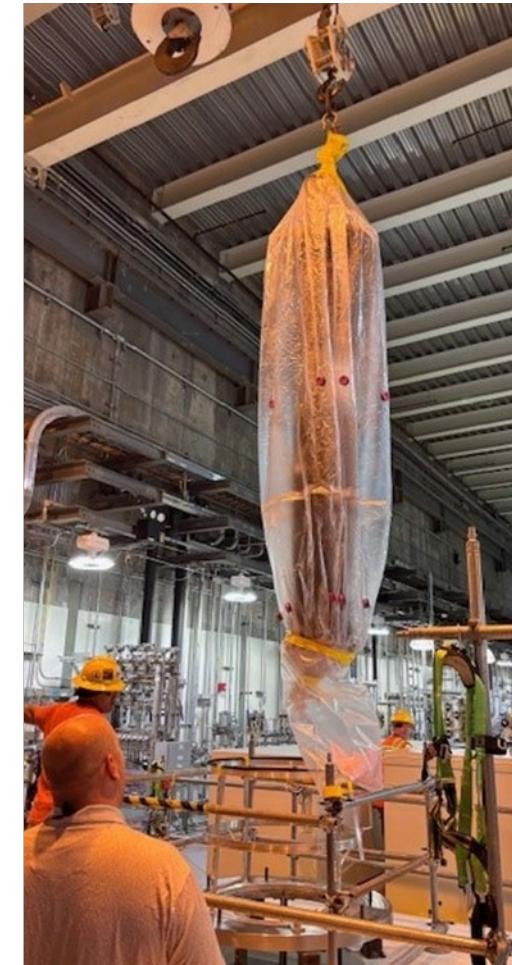
Crossflow Filter Improvements

- **Goal: Increase SWPF throughput**
- **During the 2025 Spring Outage, larger Crossflow Filter (CFF) tube assemblies were installed in FLT-102A, FLT-102B, and FLT-102C**
 - *Total surface area increase of 97%*
- **Initial operation of filters have shown significant filtration capacity**
- **Previous Filtration**
 - *12-16 gpm*
 - *Utilizing 3 filters*
 - *Maximizing Transmembrane Pressure (TMP) (40-80 psid)*
- **Current Filtration**
 - *15-25 gpm*
 - *Utilizing 1 filter*
 - *Minimal TMP (20-30 psid)*

Mock-Up Photos



Existing 10' Filter



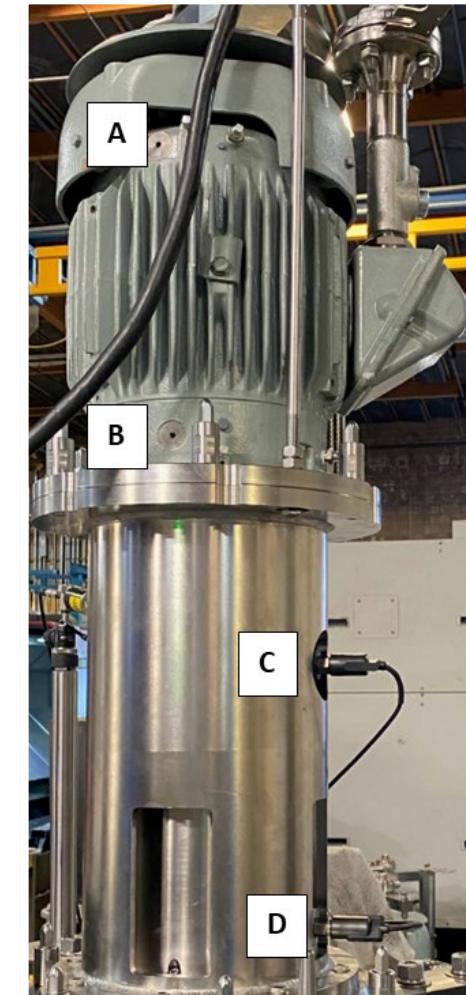
Sleeved Filter Upon Removal



New 16' Filter

SWPF Centrifugal Contactor Replacements

- **Replaced 23 contactors during outage**
 - *Included all high-risk mechanical failures & units with solids fouling*
- **Upgraded remote monitoring capability for vibration and temperature**
- **Improve reliability and reduce downtime**
- **Already shown benefit coming out of outage**

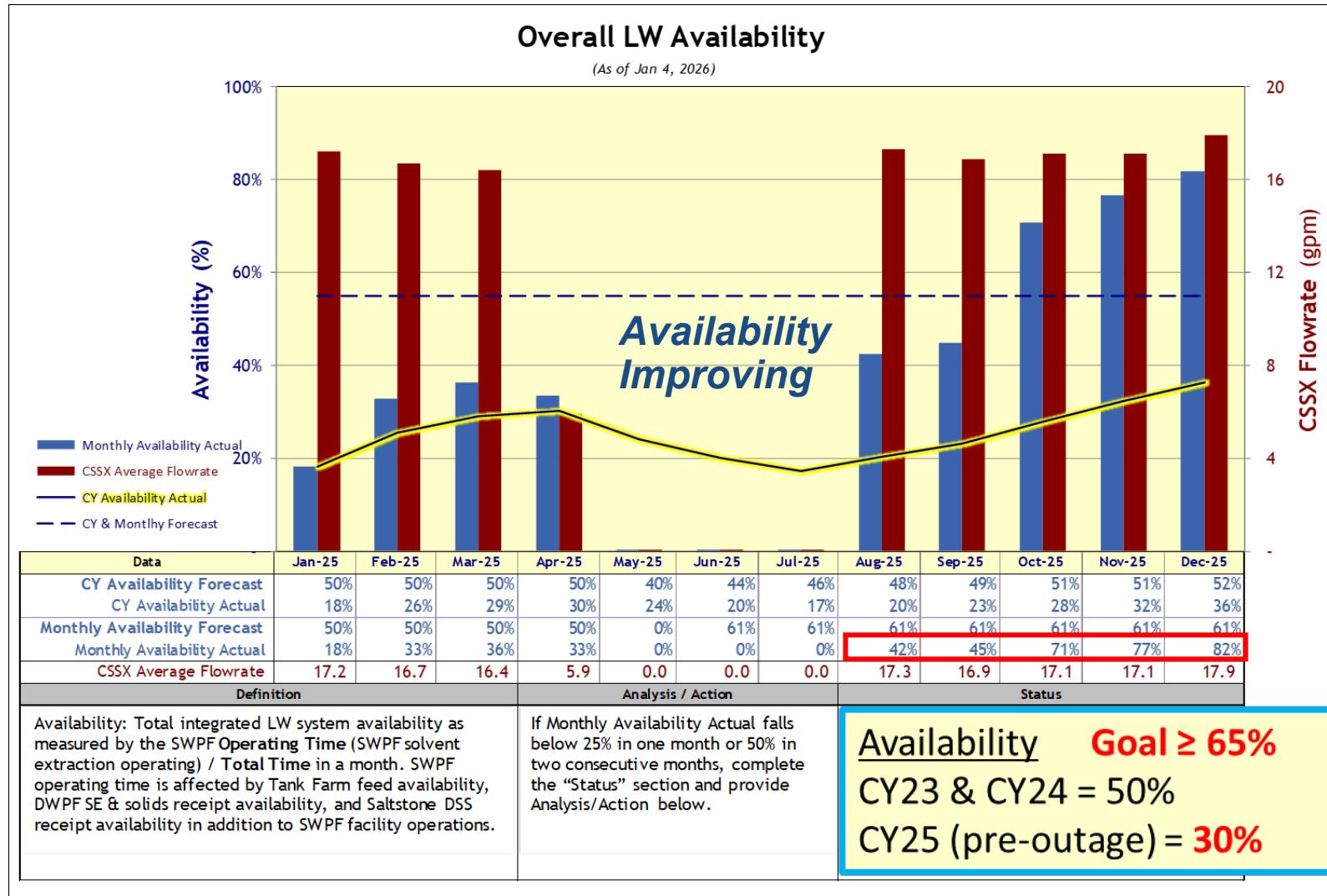


Centrifugal Contactor Monitor Locations

Operations Performance - Availability

“Drive for 65”

65%
Availability

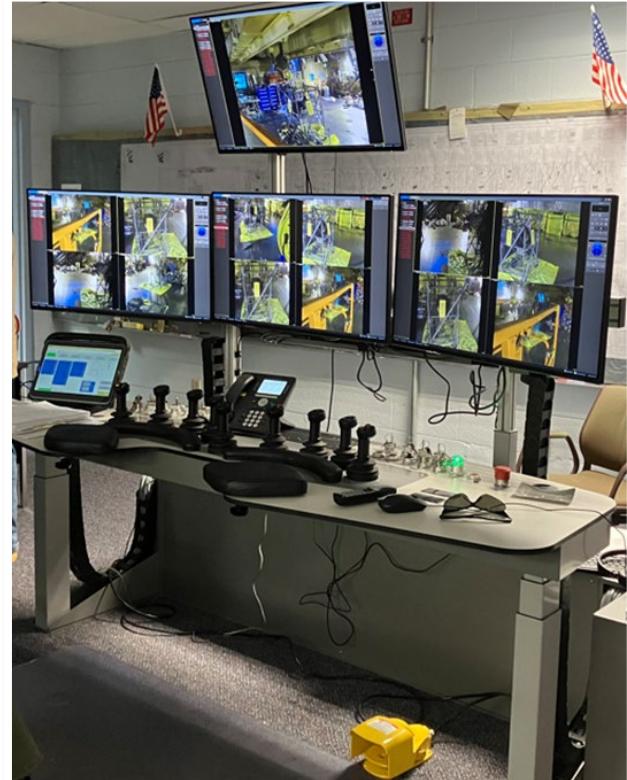


74%
Availability
since 8/18
post-outage
restart

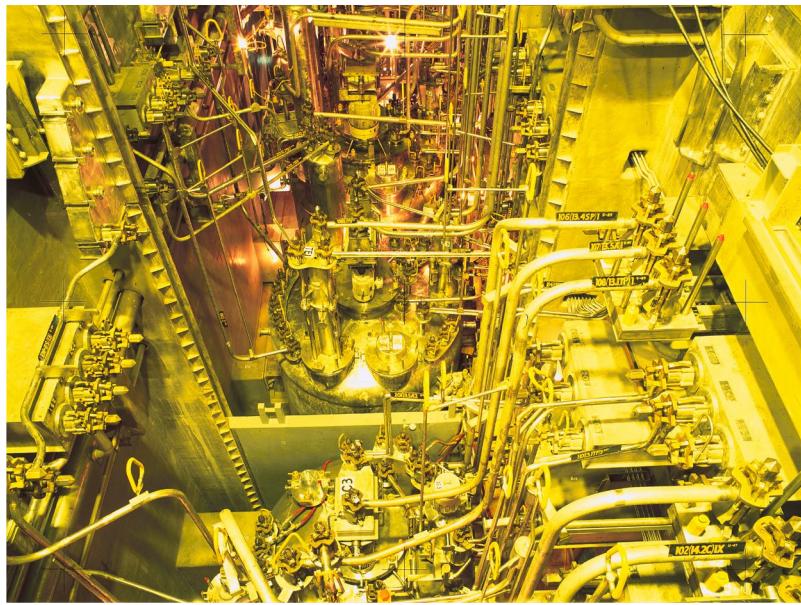
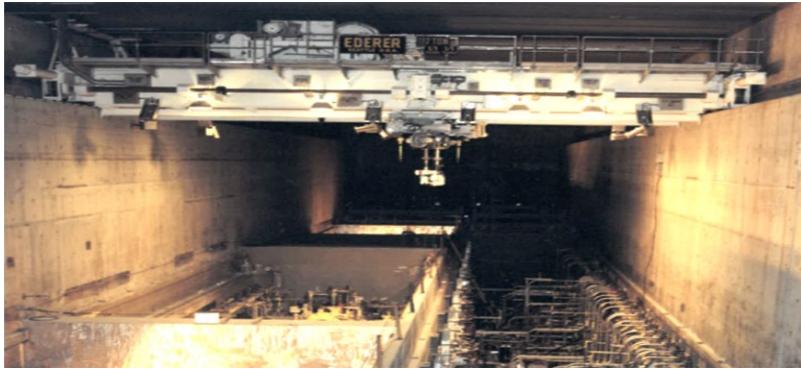


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Defense Waste Processing Facility



New Crane Operating Console

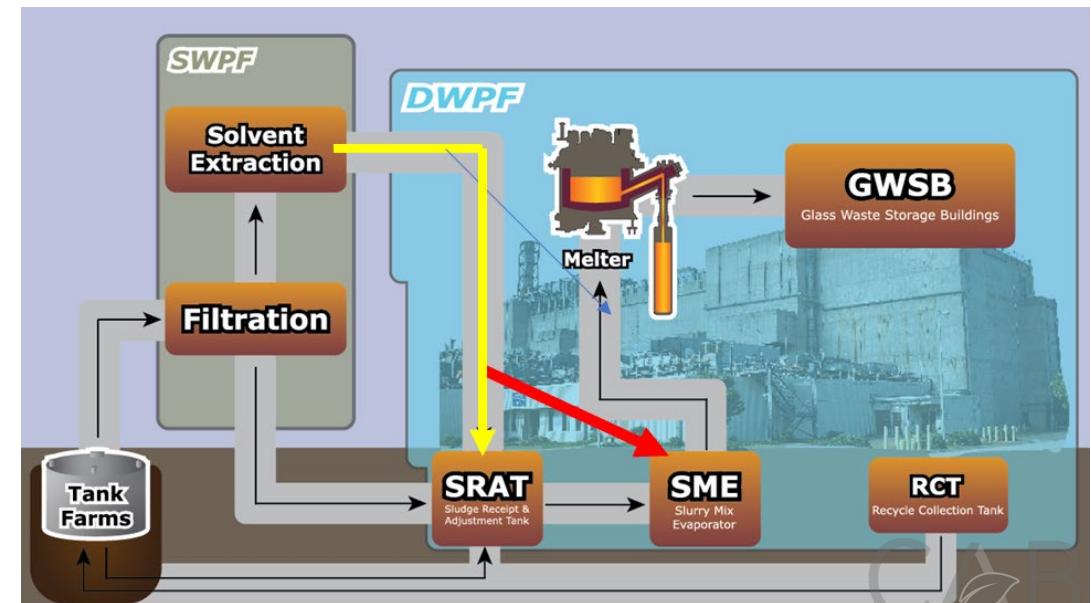
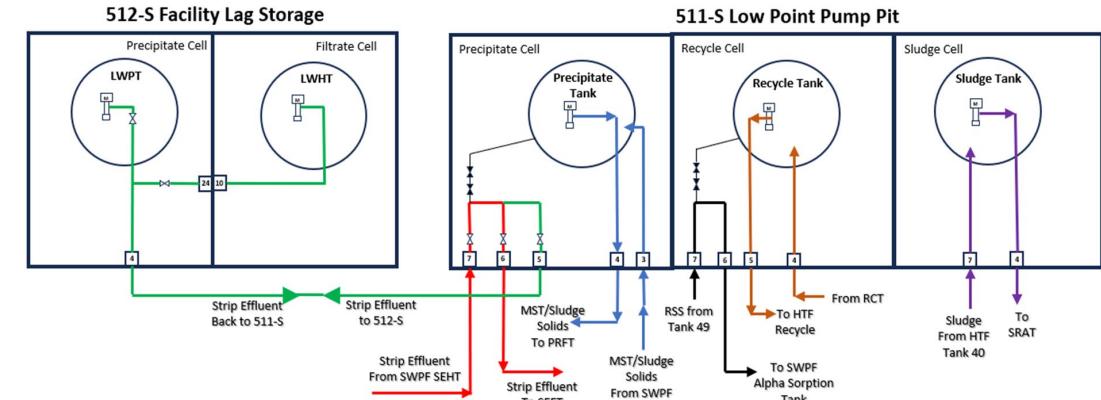


- **Main Process Cell (MPC) Crane controls and camera upgrades performing well**
- **MPC Crane experiencing improved reliability so far**
- **Focused on canyon repairs**
 - *Catching up from all the MPC Crane outage time*
- **Focused on canyon clean-up**
 - *Shortens time for future access for repairs*
- **Continued focus on plant reliability upgrades**
- **Resumed melter feed prep and processed 24 cans since outage restart**

Improved Buffer Between SWPF - DWPF

- Lag storage for strip effluent (SE) at 512-S
- 512-S provides ~10 days of buffer to accommodate short-term outages at DWPF without pausing SWPF operations
- SE to SME improves operational flexibility in DWPF by providing a redundant disposition path for SE
- Allows for “Sprint Capability” to catch up when DWPF downtimes/outage creates a backlog of SE from SWPF

Lag storage has been used once post-outage



Saltstone Production Facility

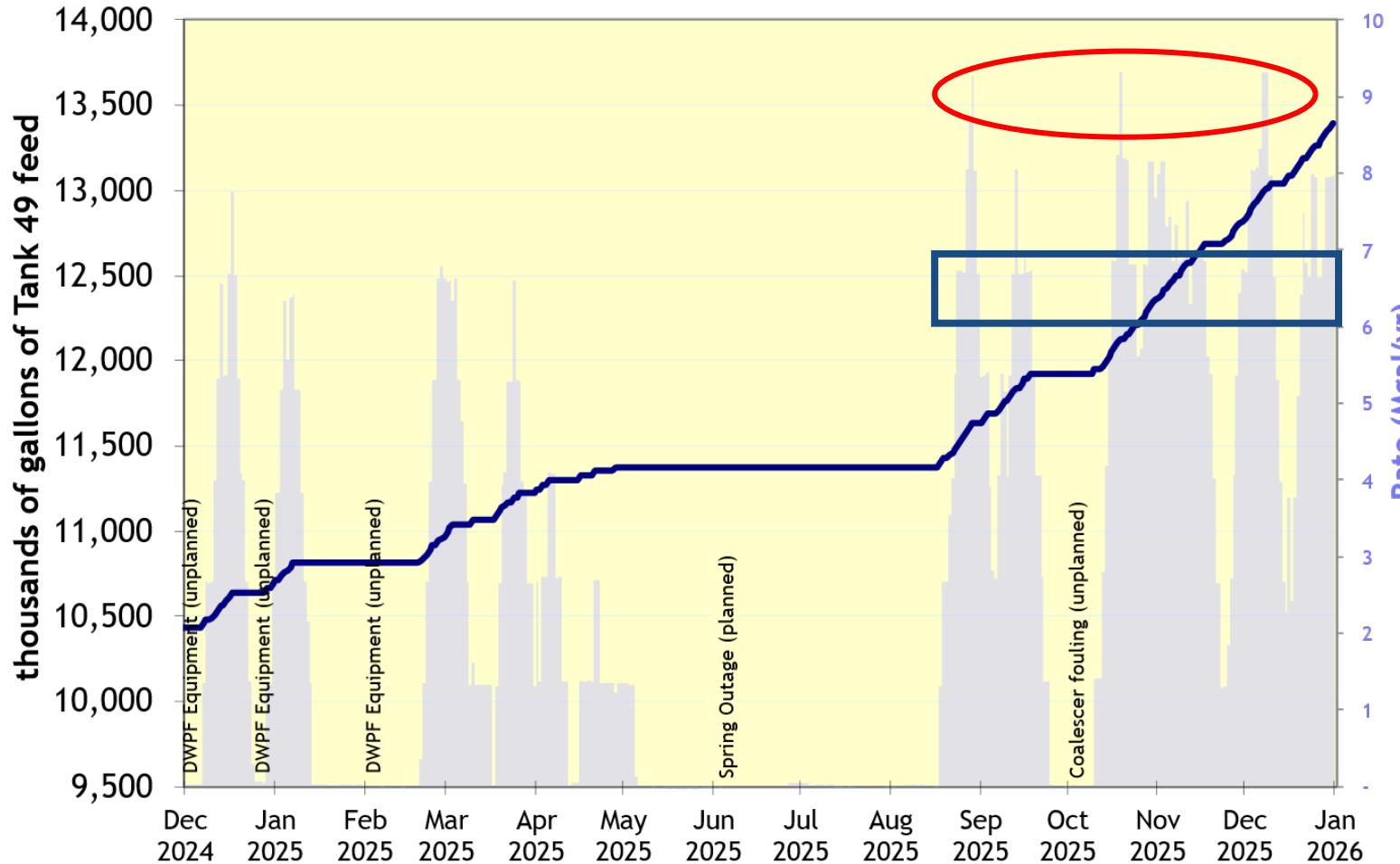


Saltstone Production Facility (SPF)

- Resumed processing post outage on August 15
- Saltstone processed 2.37M gallons of SWPF Decontaminated Salt Solution (DSS) materials since spring outage

Processing Delivering Results

SWPF Production



**~9.5 Mgal
rate**

**Average 6.0 –
6.7 Mgal/yr
needed for
mission**

Processing Delivering Results

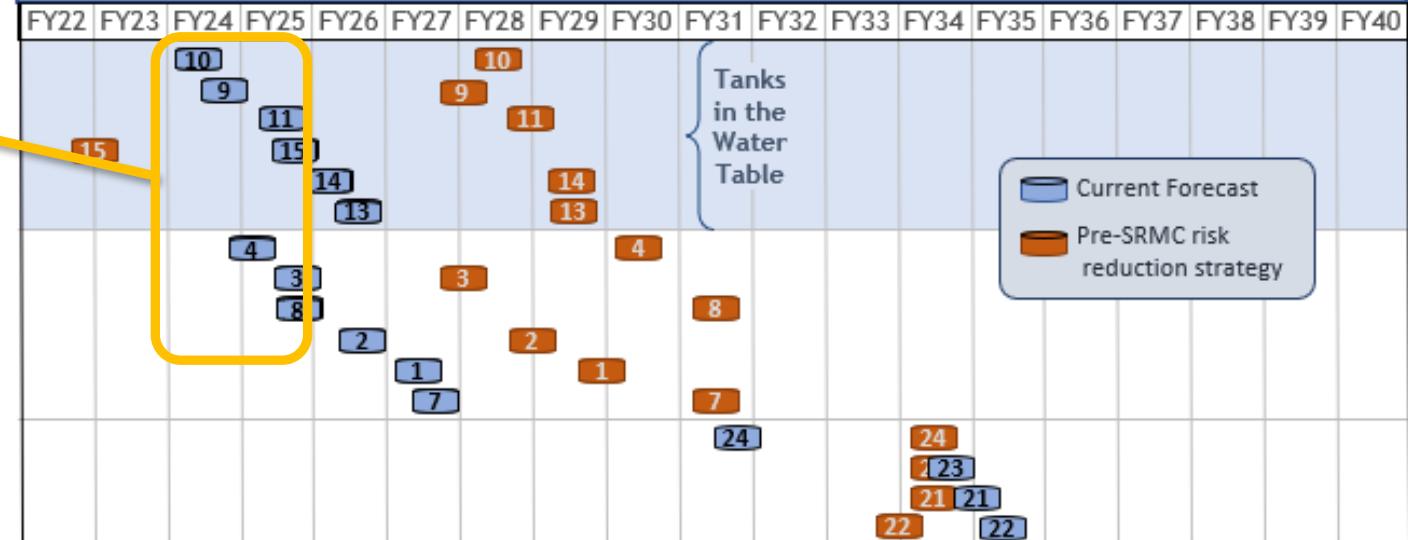
FFA Milestone Summary

Calendar Year	Preliminary Cease Waste Removal (# of Tanks)	Operational Closure (# of Tanks)
2023	0	0
2024	1	0
2025	3	0
2026	2	0
2027	2	0
2028	0	3
2029	2	0
2030	1	2
2031	0	3
2032	0	1
2033	0	2
2034	1	0
2035	1	0
2036	1	1
2037	2	4
Total	16	16

Waste Removal & Tank Closure Task Order Plan

Ahead of FFA Commitments with Focus on Tanks in the Water Table

Preliminary Cease Waste Removal

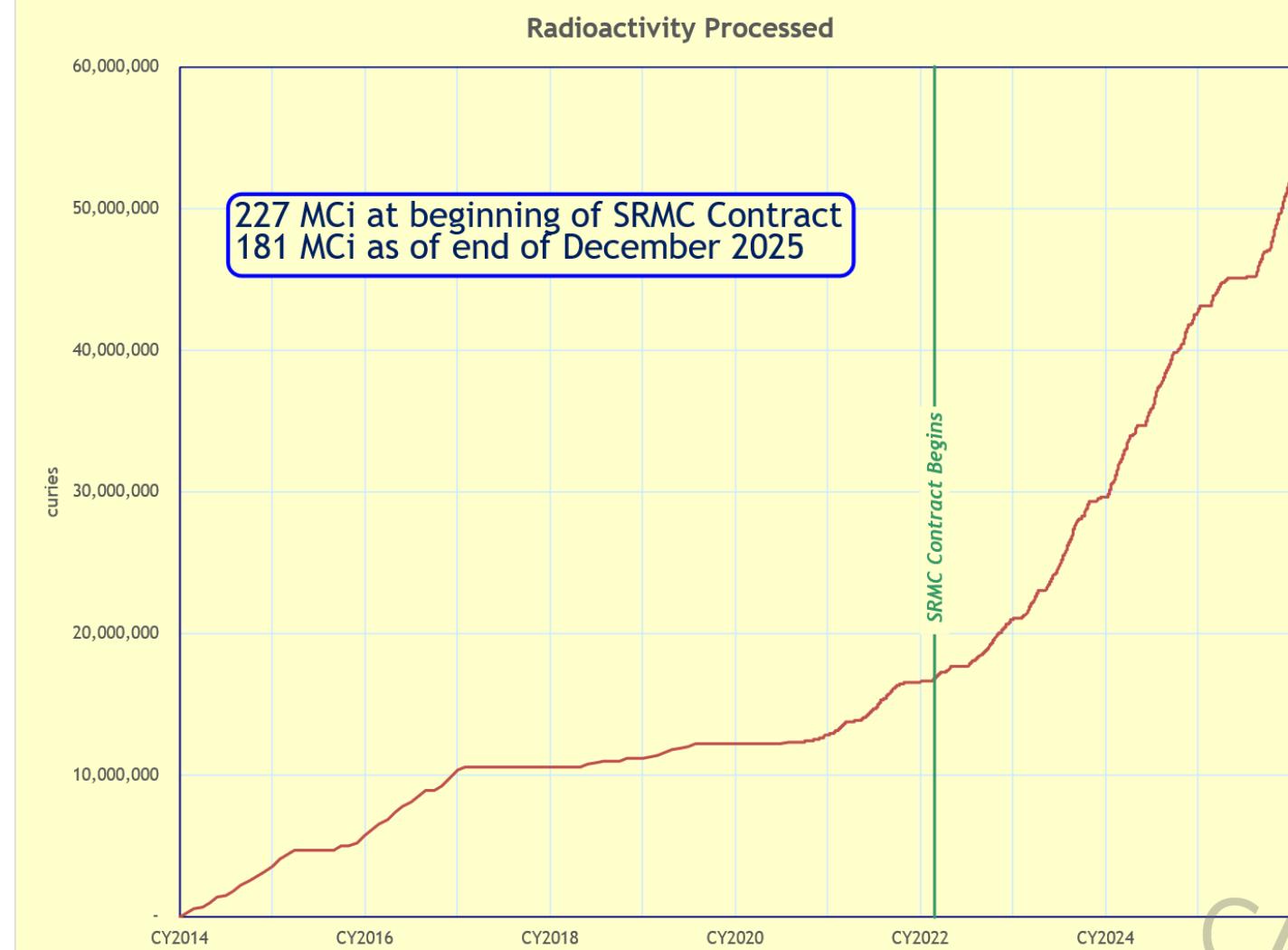


- PCWR achieved on Tank 3 in September
- 4 total achieved in 2025
- 7 total achieved since start of contract

Processing Delivering Risk Reduction

**46 Million Curies
reduced since
start of SRMC
contract**

Since SRMC contract start	Number	Units
Cans Poured	202	Canisters
Sludge Processed	307 K	Gallons
SWPF Processed	10.9 M	Gallons
Saltstone Processed	15.5 M	Gallons
Saltstone Grout Made	28.5 M	Gallons
Curies Processed	35.5 M	Curies



Summary

- Post-outage processing in all facilities has been going well
- Early indications of outage impact are very positive
 - Production records being set
- LW system capacity capable of satisfying the mission need
 - Primary focus on increasing system availability with particular focus on DWPF

