



BWXT • FLUOR • AMENTUM

Liquid Waste Update: Preparing for Spring Outage

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March 2025

Purpose of the Presentation

- Update the CAB on the progress of the Liquid Waste Clean-Up
- Heading toward our 2025 spring outage
 - *Culmination of majority of our Climb to 9 optimizations*



DWPF



SWPF

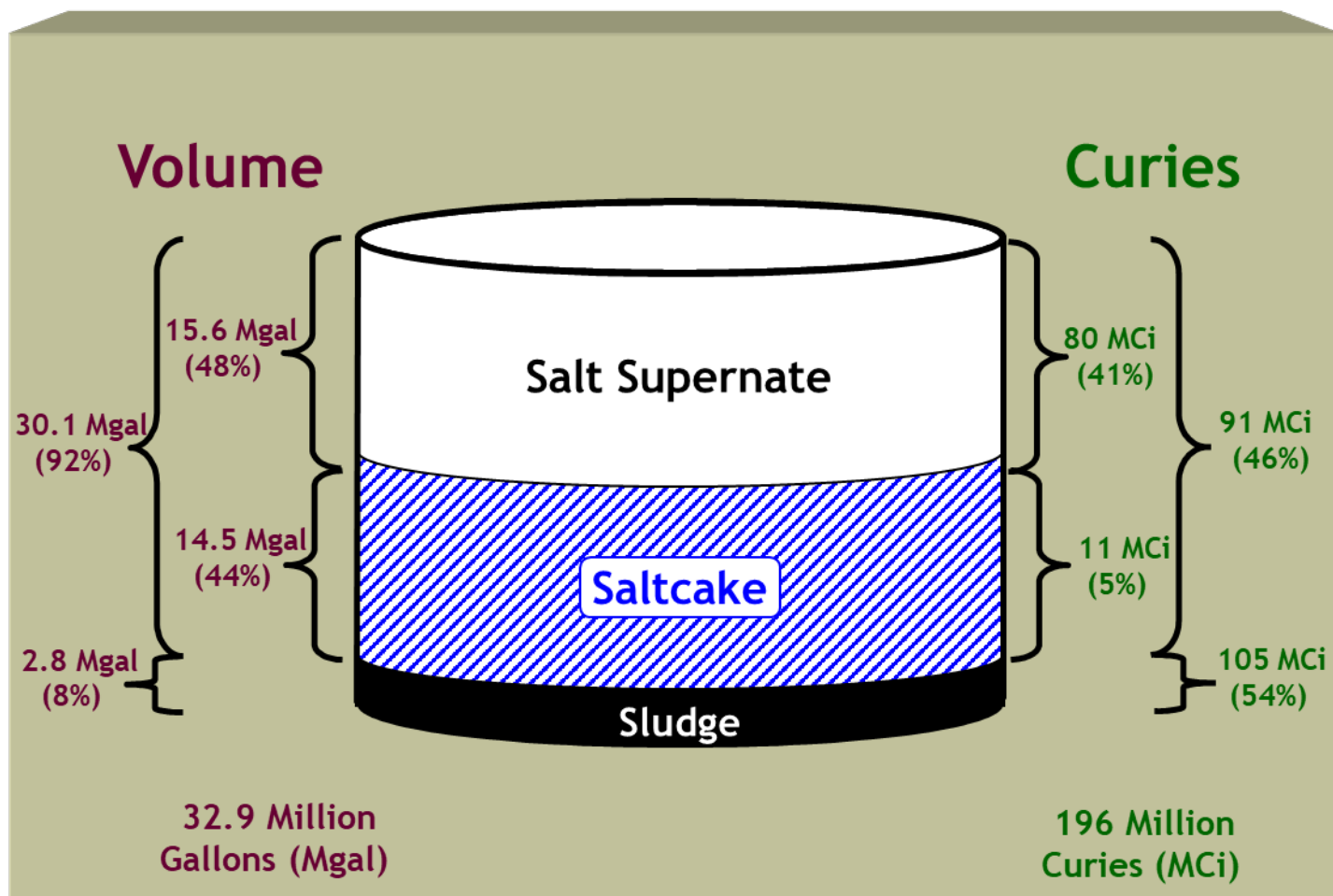


SALTSTONE & SDUs

Agenda

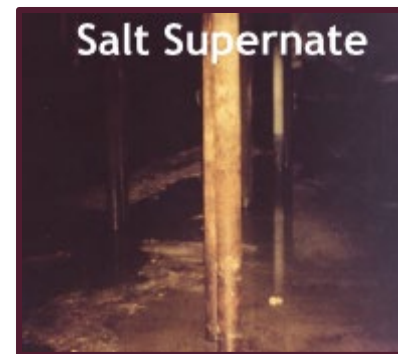
- Refresher on our mission
- Reducing Risk
 - *Aggressively remove curies*
 - *Optimizing operations [2025 Spring Outage]*
 - *Waste removal risk-based priority order*

Inside the Tanks



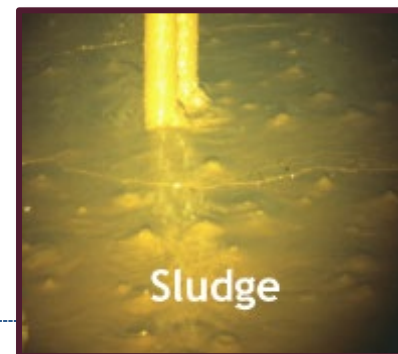
Similar to
SWPF

**Table
salt**



Similar to
SWPF

**Pancake
syrup**



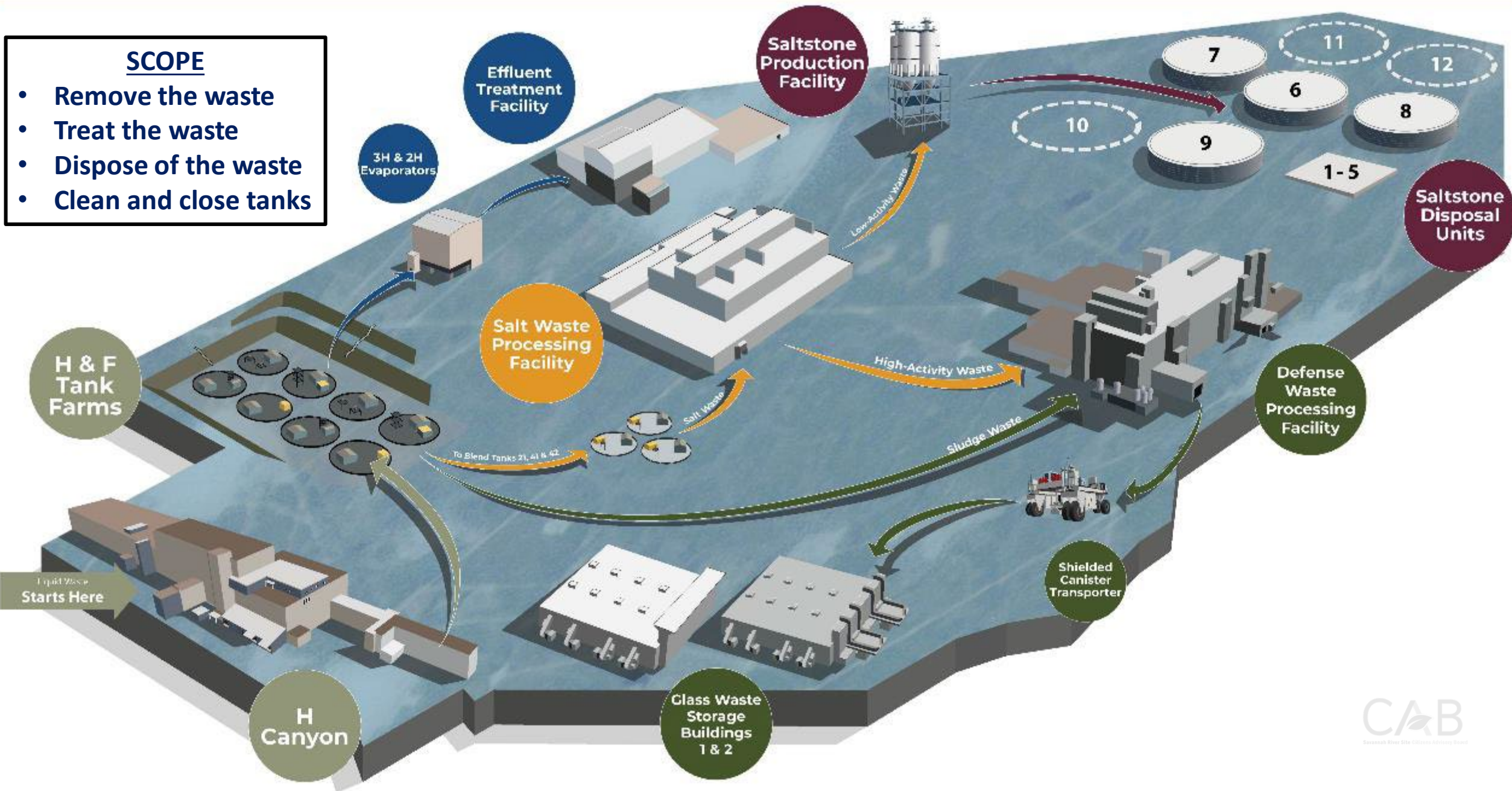
Similar to
DWPF

**Peanut
butter**

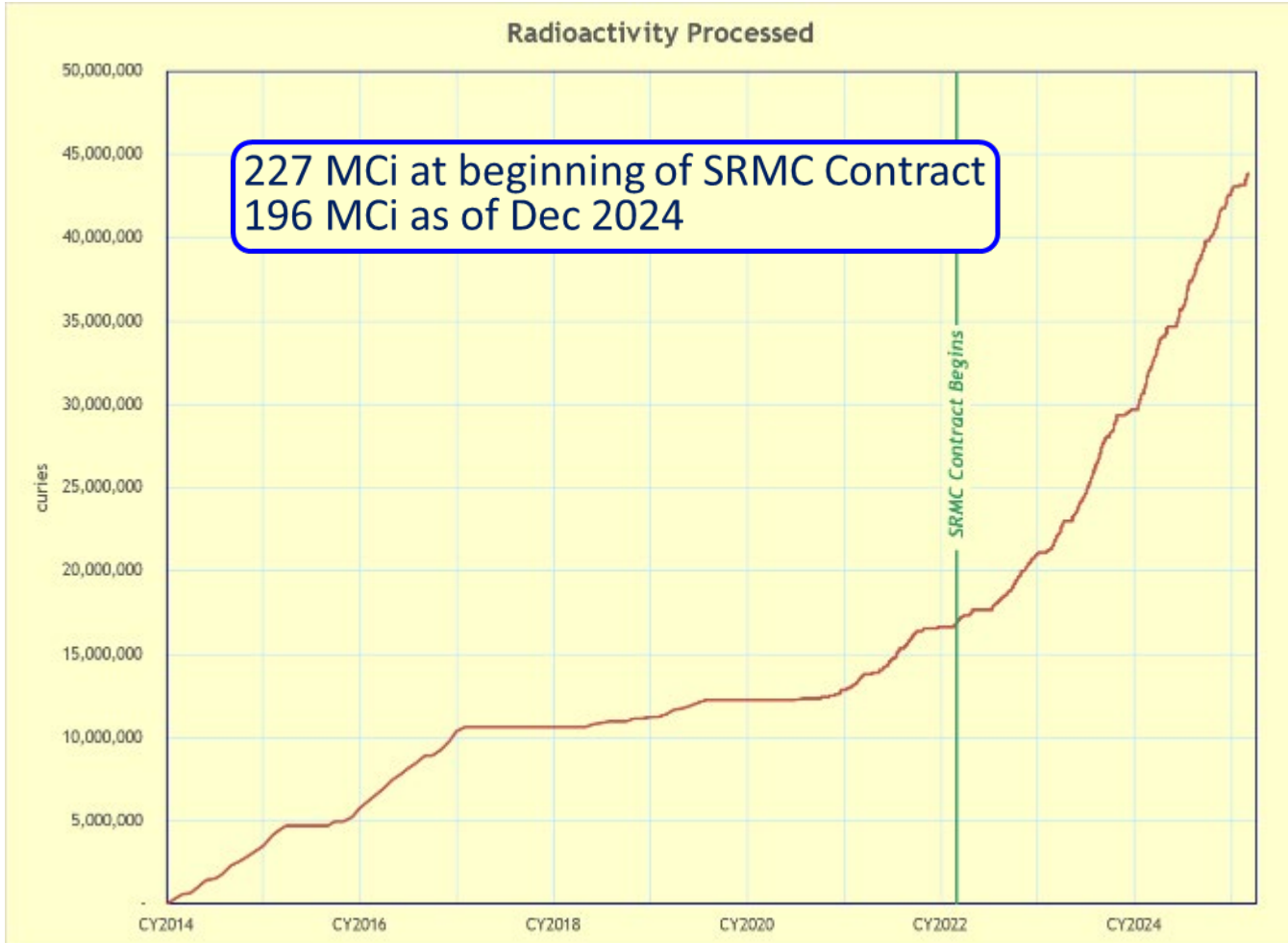
SRS Liquid Waste Facilities

SCOPE

- Remove the waste
- Treat the waste
- Dispose of the waste
- Clean and close tanks



Reduce Risk - Aggressively Remove Curies



SRMC has processed almost the same amount of curies (Ci) in the first 3 years of the contract as was done in the previous 10 years.

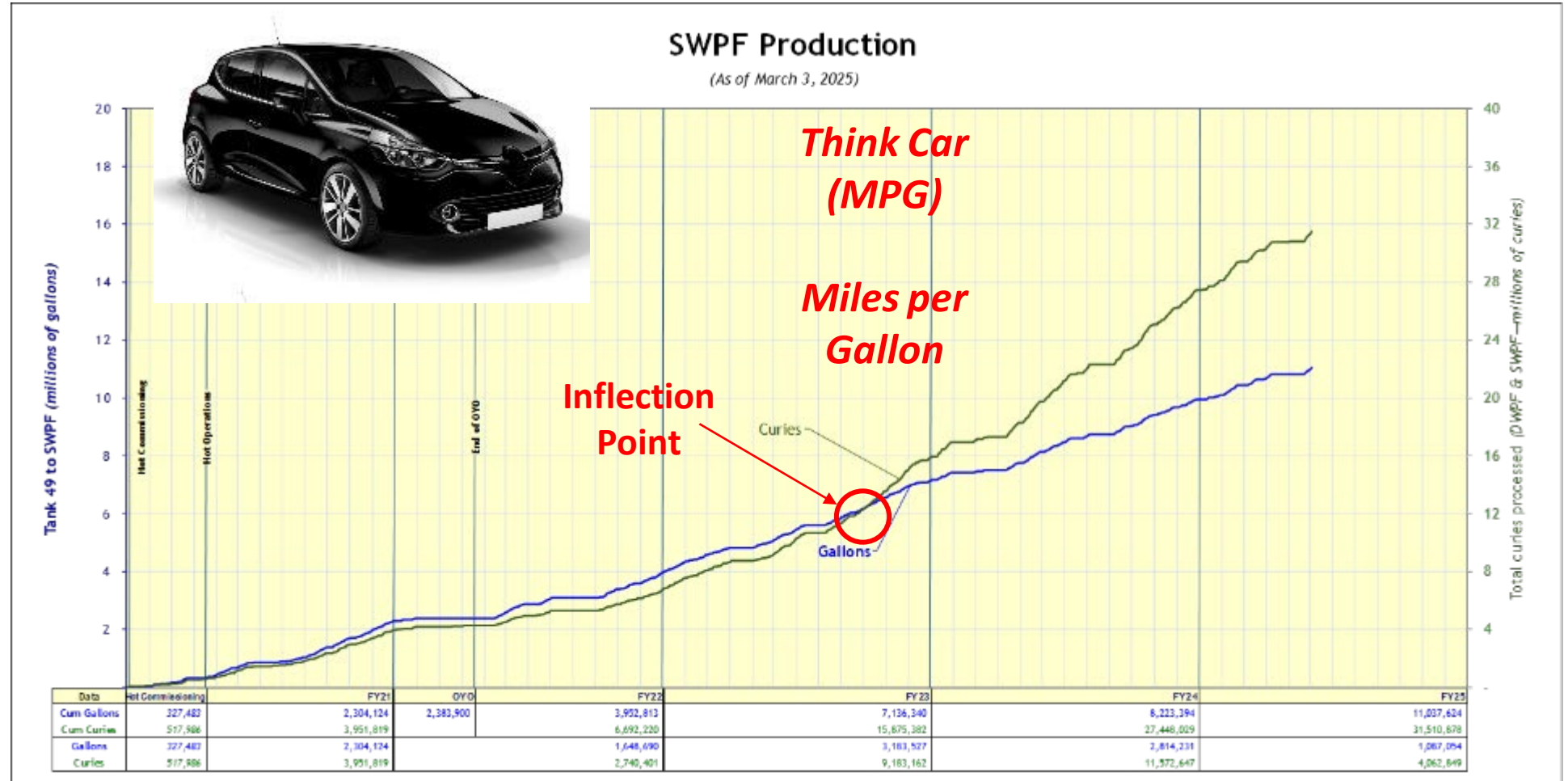
2/27/2012 – 2/26/2022 (~10 years) =
26.2MCi

2/27/2022 – 2/4/2025 (~3 years) =
26.3MCi

13.7% reduction of curies in the system in 3 years

Reduce Risk – High Curie Processing

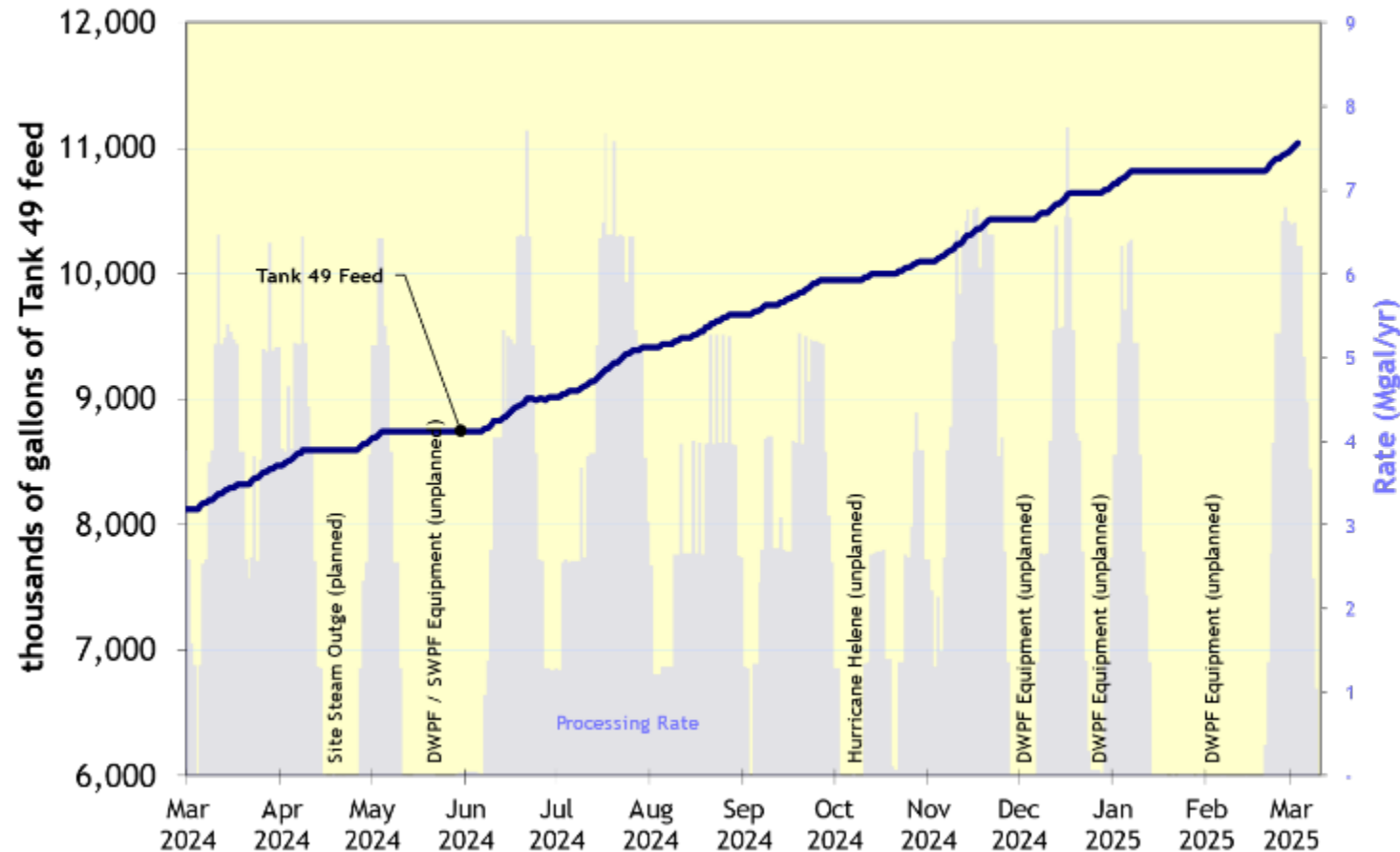
- Curies per Gallon: ~ 0.5
> 1.3 – 2.5
- High curie salt batches through Batch 22 (Aug 2026)
- 68% of high curie batch makeup complete



Reduce Risk – Optimizing Operations

- Continued focus on plant availability & throughput

SWPF Production



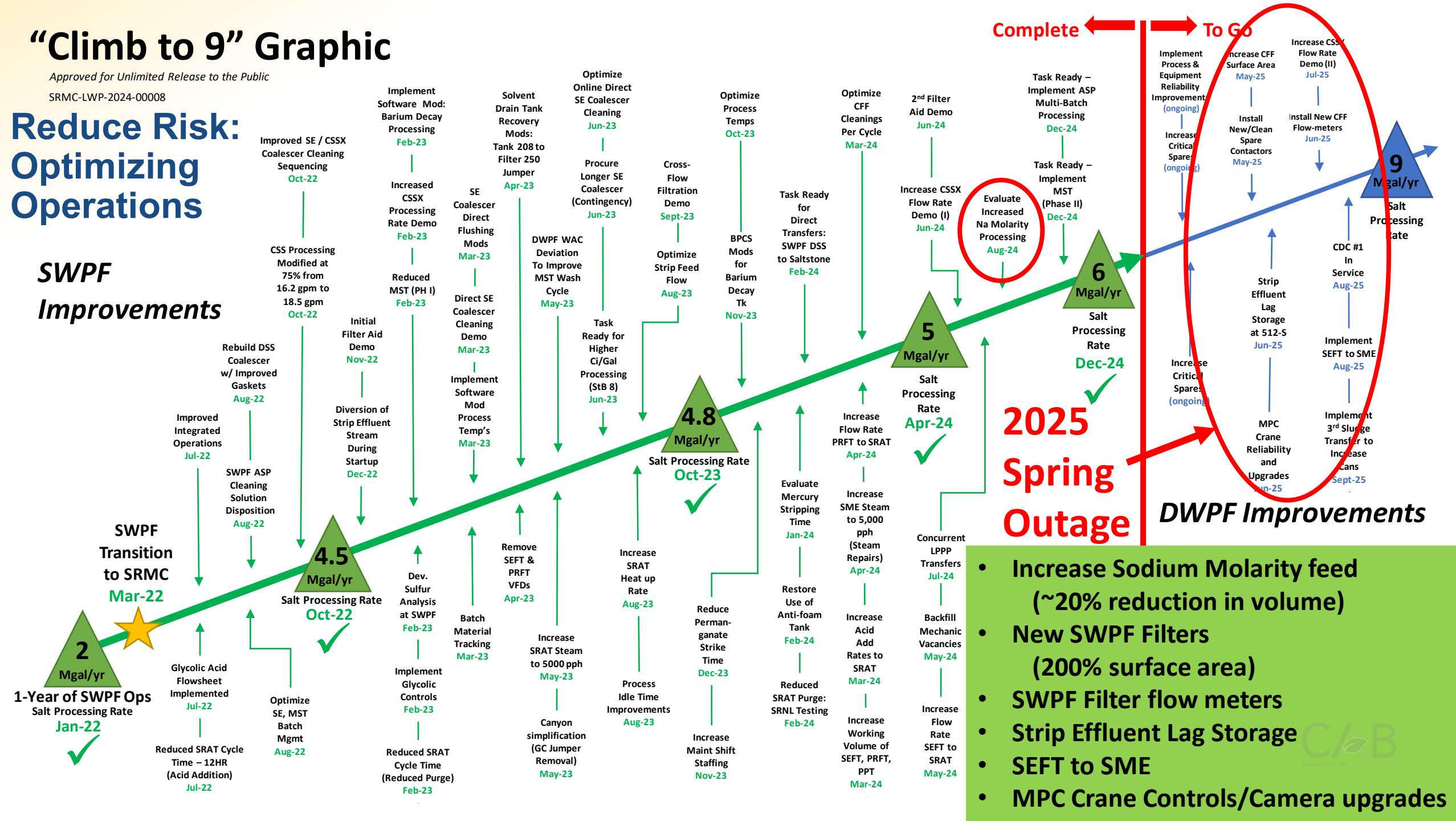
"Climb to 9" Graphic

Approved for Unlimited Release to the Public

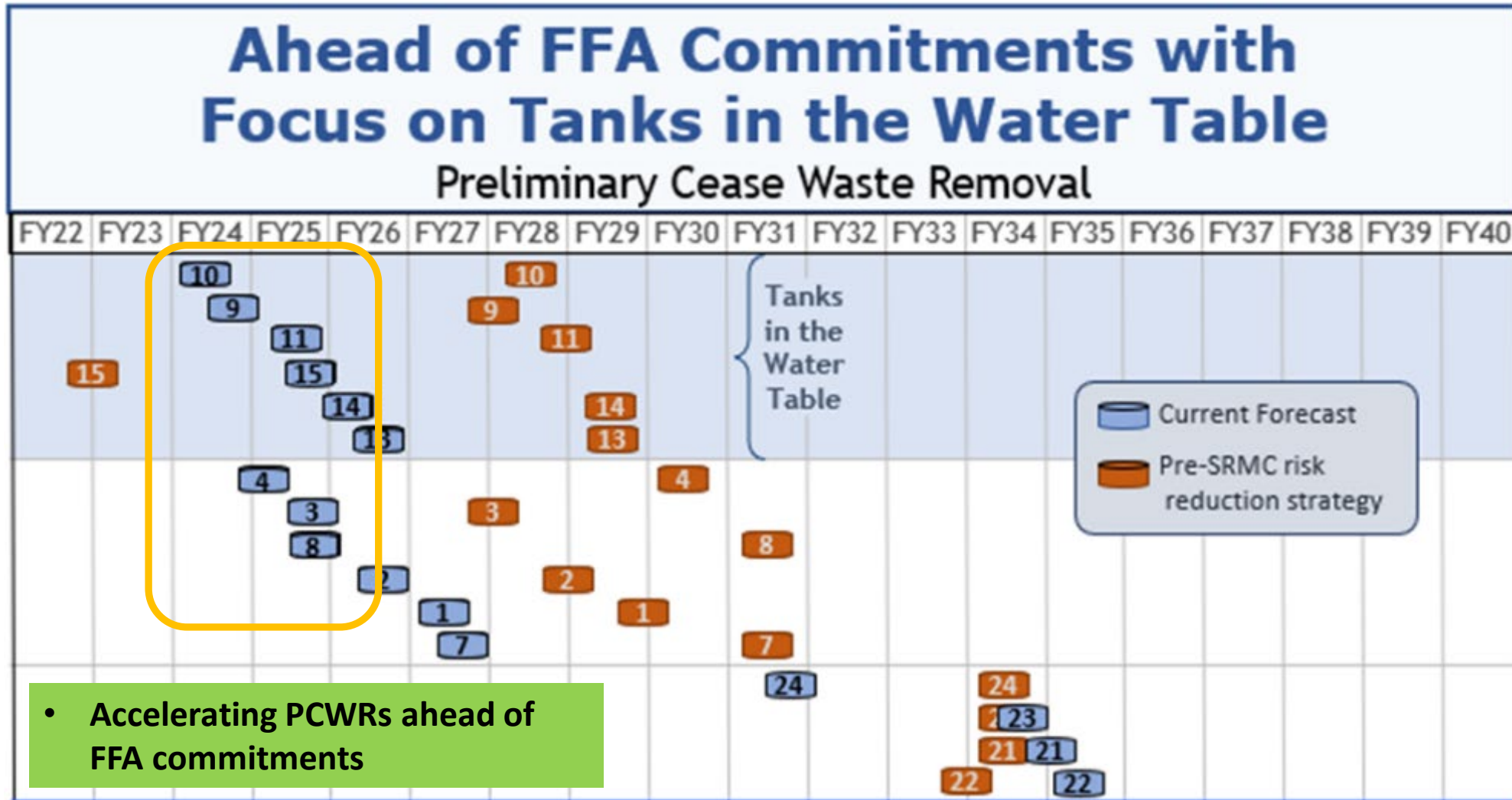
SRMC-LWP-2024-00008

Reduce Risk: Optimizing Operations

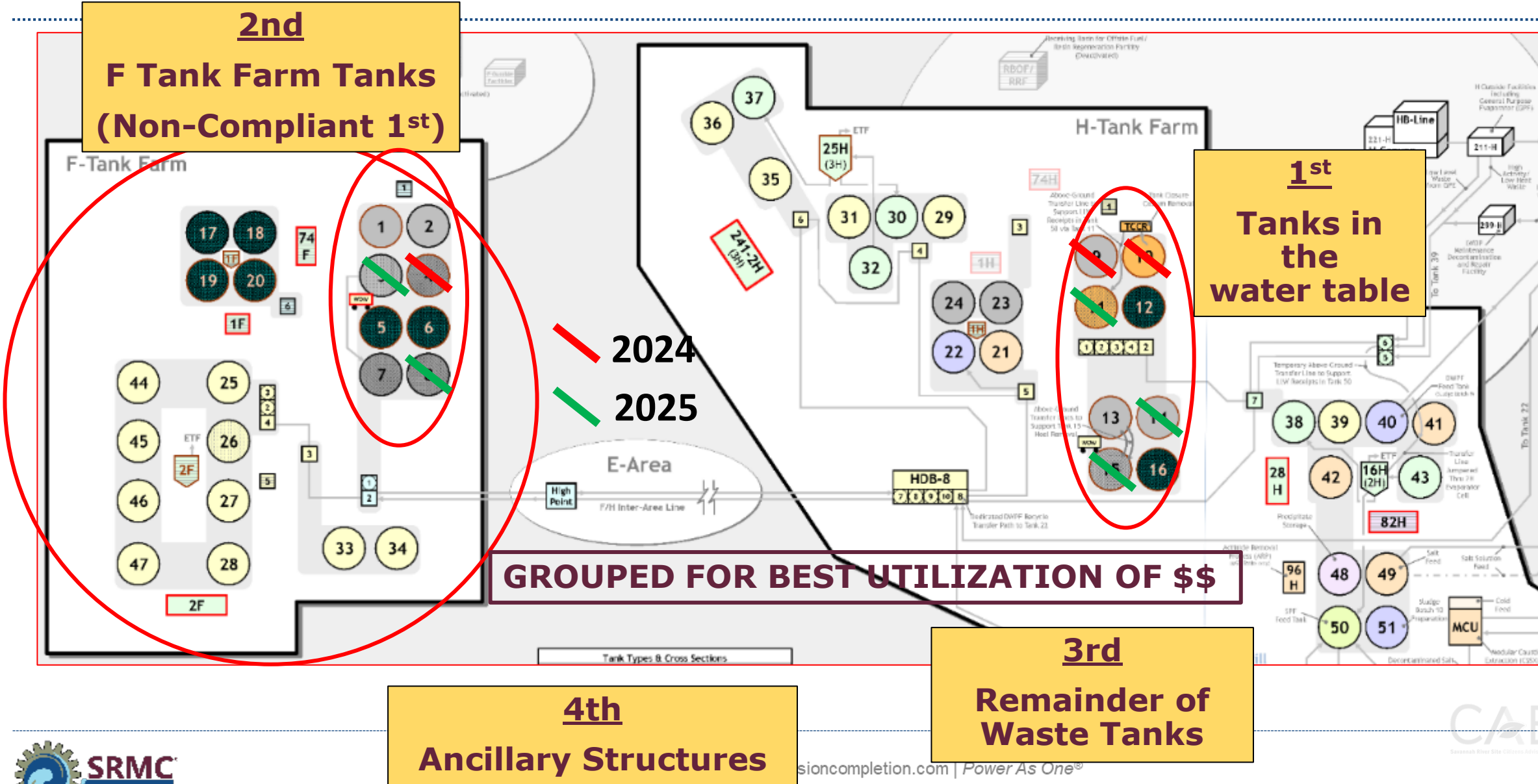
SWPF Improvements



Waste Removal Risk Based Priority Order



Waste Removal Risk Based Priority Order



DOE, SCDES & EPA – Federal Facility Agreement (FFA)

- 3 complete (2024)
- Attempting to complete 5 in 2025
- 4 PCWRs total by end of 2025 (FFA Commitment)
- Attempting to complete 8 total by end of 2025

Schedule for Remaining “Old-Style” Tanks

Milestone Date	Preliminary Cease Waste Removal (# of Tanks)	Operational Closure (# of Tanks)
12/31/2023	0	0
12/31/2024	1	0
12/31/2025	3	0
12/31/2026	2	0
12/31/2027	2	0
12/31/2028	0	3
12/31/2029	2	0
12/31/2030	1	2
12/31/2031	0	3
12/31/2032	0	1
12/31/2033	0	2
12/31/2034	1	0
12/31/2035	1	0
12/31/2036	1	1
12/31/2037	2	4
Total	16	16

Preliminary Cease Waste Removal Success

Tank Interior Before



Tank Interior After



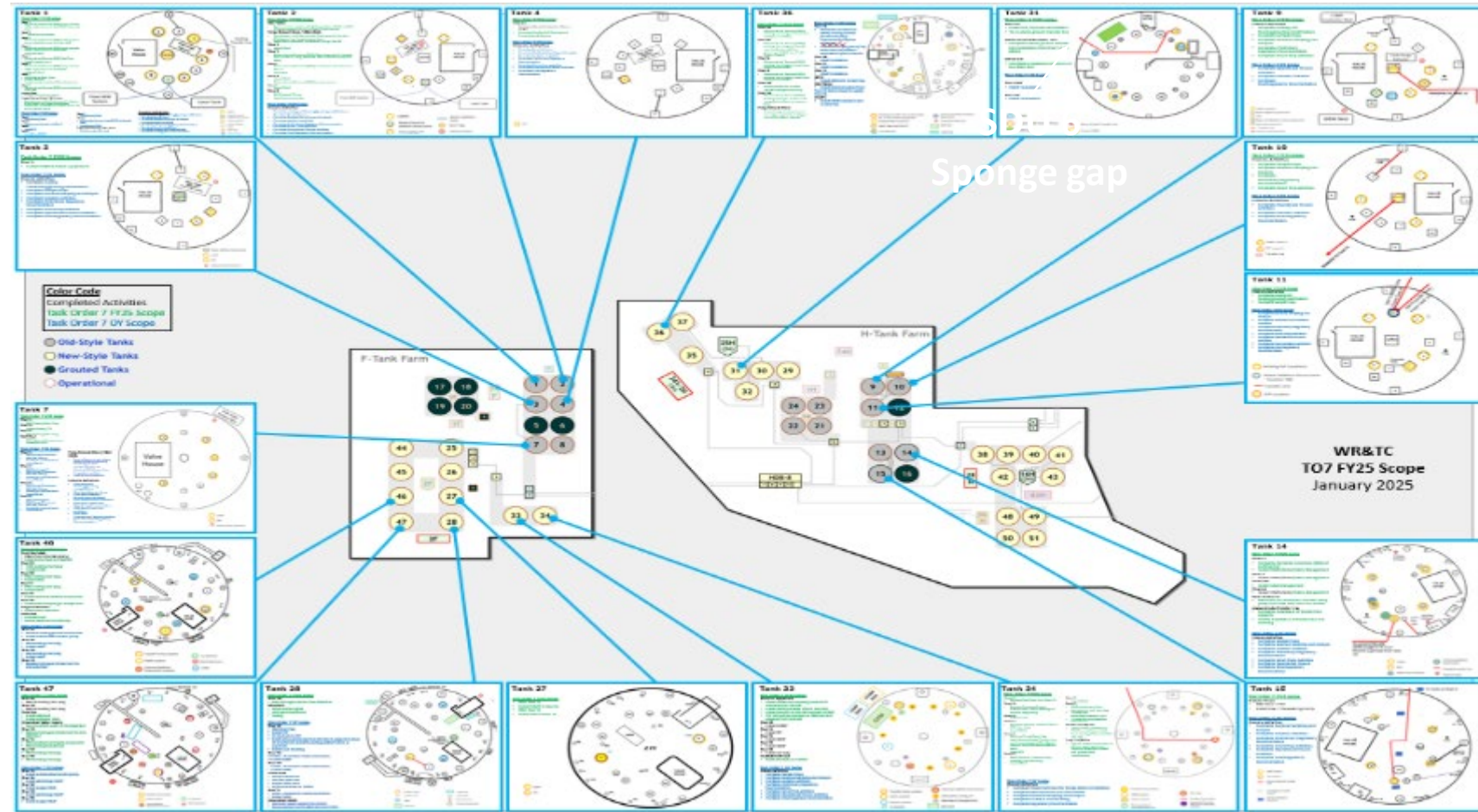
**Tank 10
Primary
Tank
Cleaning
Success**



2025 Waste Retrieval & Tank Closure Update

95% of tanks actively working

- **3 Tanks cleaned and preparing for closure**
 - Tanks 9, 10 and 4
- **6 Tanks actively in retrieval**
 - Tanks 11, 15, 8, 3, 13, 44
- **11 Tanks undergoing field modifications**
 - Tanks 39, 34, 14, 1, 2, 28, 31, 33, 36, 46, 47
- **4 Tanks in design phase**
 - Tanks 7, 27, 25, 45
- **17 Tanks supporting processing**
 - Evaporator Tanks 29, 30, 32, 37, 38, 43
 - Sludge Processing Tanks 26, 35, 40, 51
 - Salt Processing Tanks 21, 23, 24, 41, 42, 49, 50



Summary

- **Processing higher curie batches at SWPF continues to accelerate risk reduction**
- **Accelerating waste removal from tanks in the water table continues to accelerate risk reduction**
- **Maximizing waste removal and processing reduces risk & accelerates tank closures**

Questions?