Savannah River Remediation

We do the right thing.

ARP / MCU
Status Briefing

Status Briefing to the Citizens Advisory Board

Date: October 19, 2010

Presenter:
Wyatt Clark
Tank Farm Operations Director
Savannah River Remediation, LLC
SRR-TFO-2010-00104

Liquid Waste Flowsheet

Savannah River Remediation

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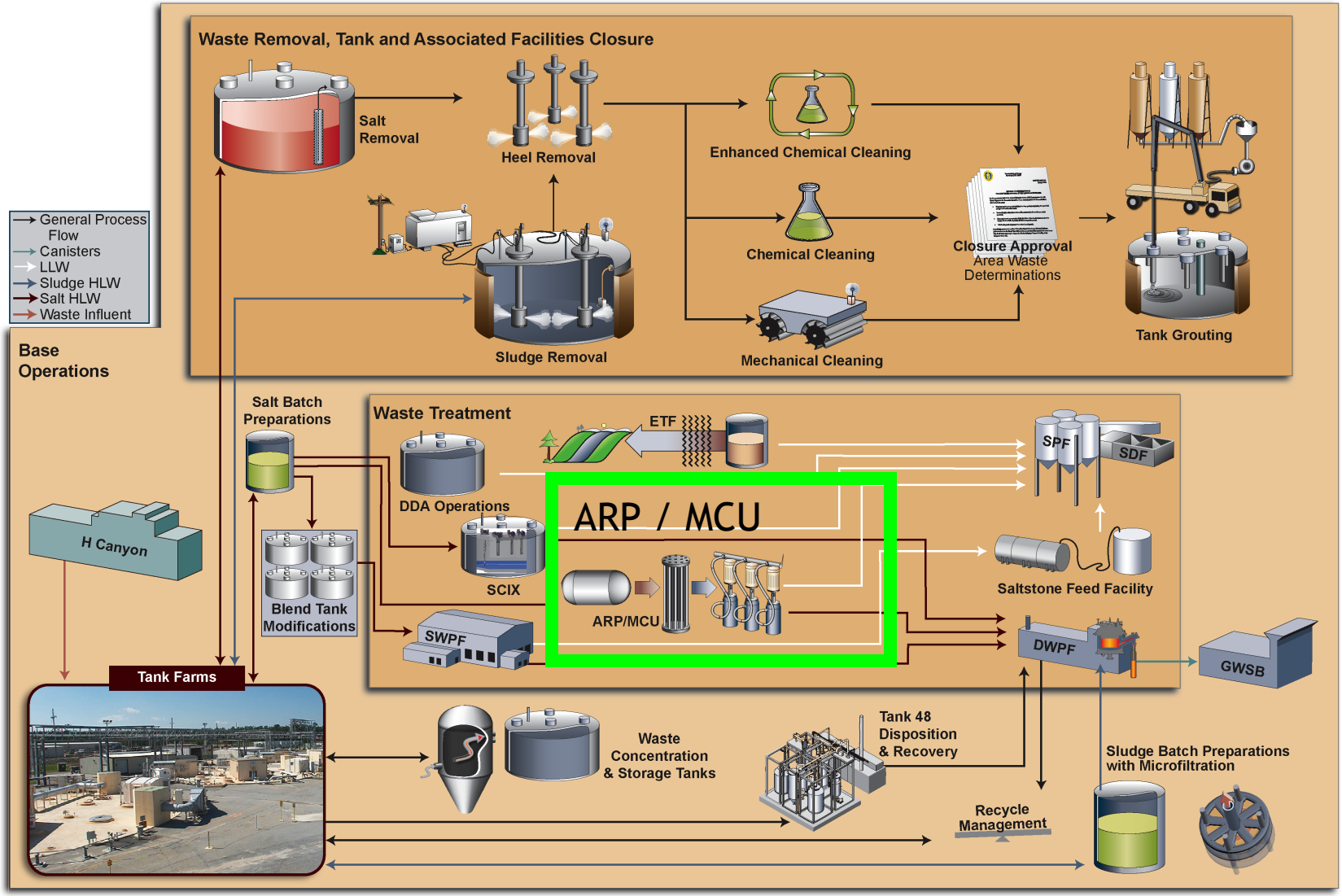

Interim Salt Disposition

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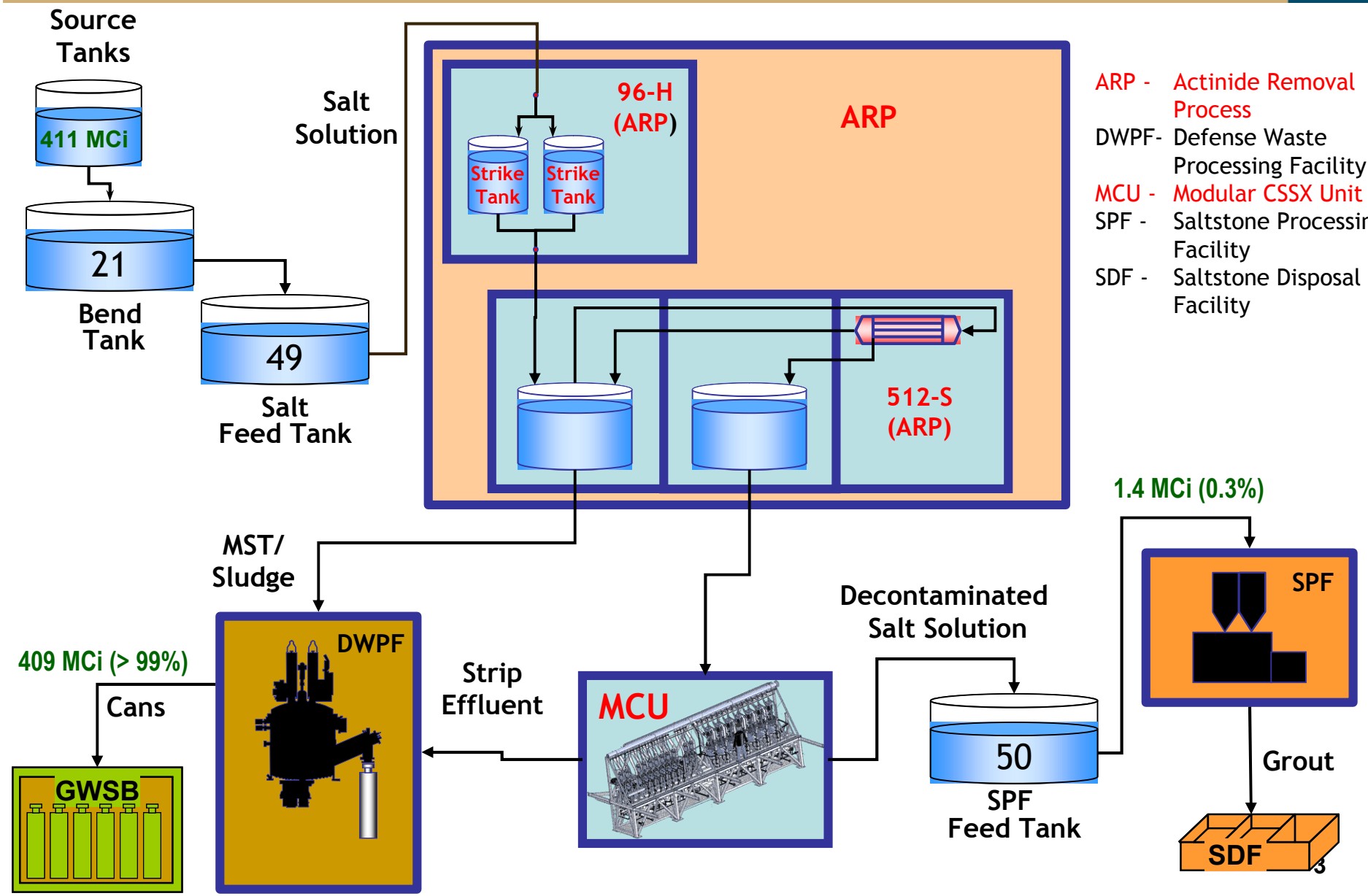


Objectives

Using a “first of a kind” process for HLW treatment

- Provide lessons learned to SWPF design
- Provide limited treatment capability until SWPF Startup

ARP/MCU Historical Lessons Learned

"The tangible benefits of

early

small scale operation"

ARP/MCU Performance

Management of key radionuclide decontamination has been demonstrated:

	Expected	Actual	Requirements Met?
Cs-137 DF	**>12**	**>200**	✓
Sr-90 DF	**54.4**	**>200**	✓
Pu DF	**14.4**	**>200**	✓
MCU CF	**12-15**	**12-15**	✓

Management of organic carryover in progress:

Decontaminated Salt Solution Carryover	**<50 ppm**	**<25 ppm**	✓
Strip Effluent Carryover	**<50 ppm**	**<25 ppm avg** **>67 ppm peak**	✓

Ability to achieve sustained high throughput in progress:

Weekly Production Rate	**30,000 gal avg** **40,000 gal peak**	**14,000 gal avg** **40,000 peak**	✓

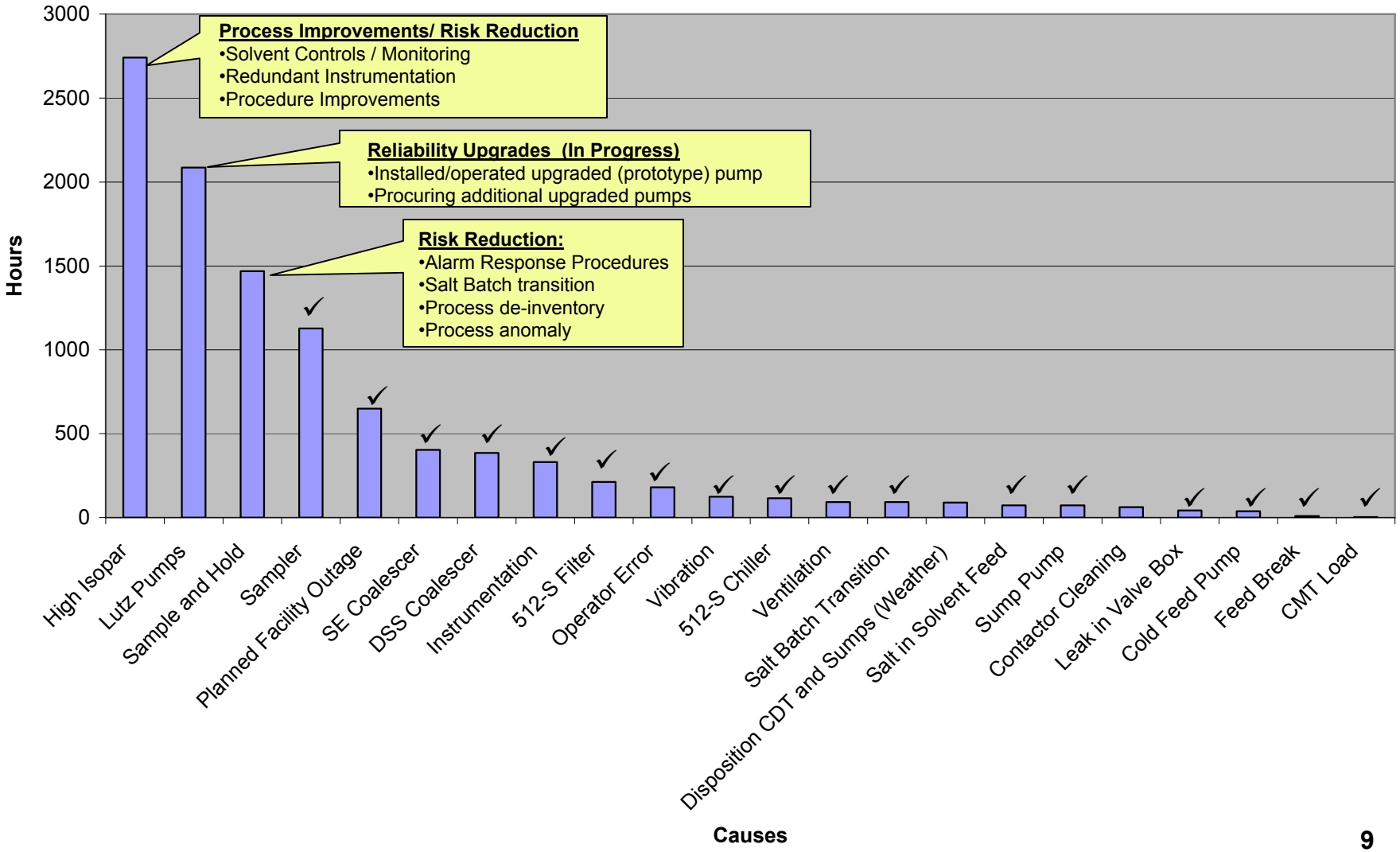
ARP / MCU Life Extension

Actively implementing infrastructure upgrades focused on;

- Extended operation
- Continued reliability / attainment
- Deployment of next generation solvent

- Backup Slides

Attainment Improvements

ISDP Downtime by Cause

As of September 1, 2010