



Savannah River  
Remediation

*We do the right thing.*

## ARP / MCU Status Briefing

# Status Briefing to the Citizens Advisory Board

**Date:** November 16, 2010

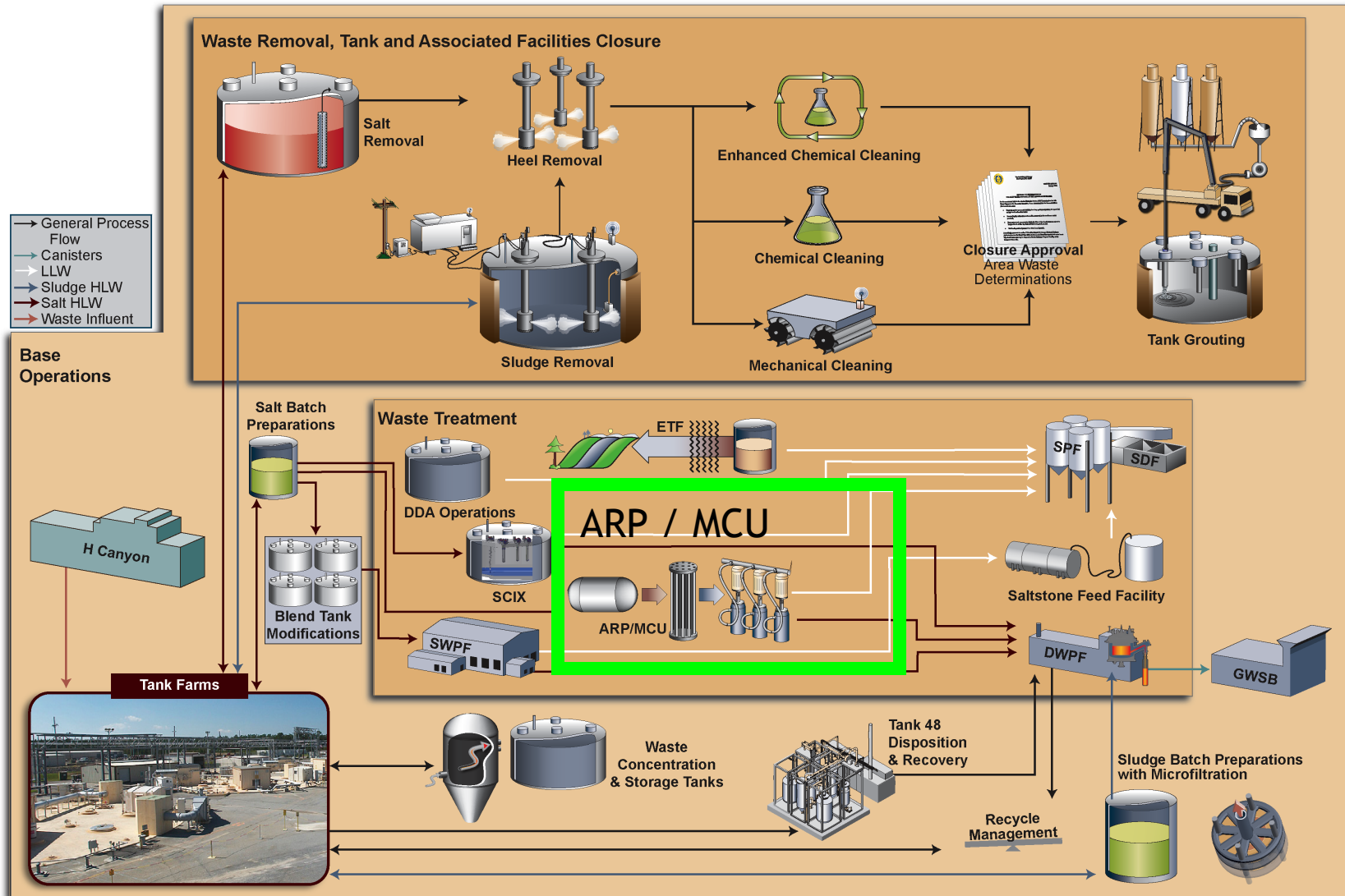
**Presenter:**

Mike Borders

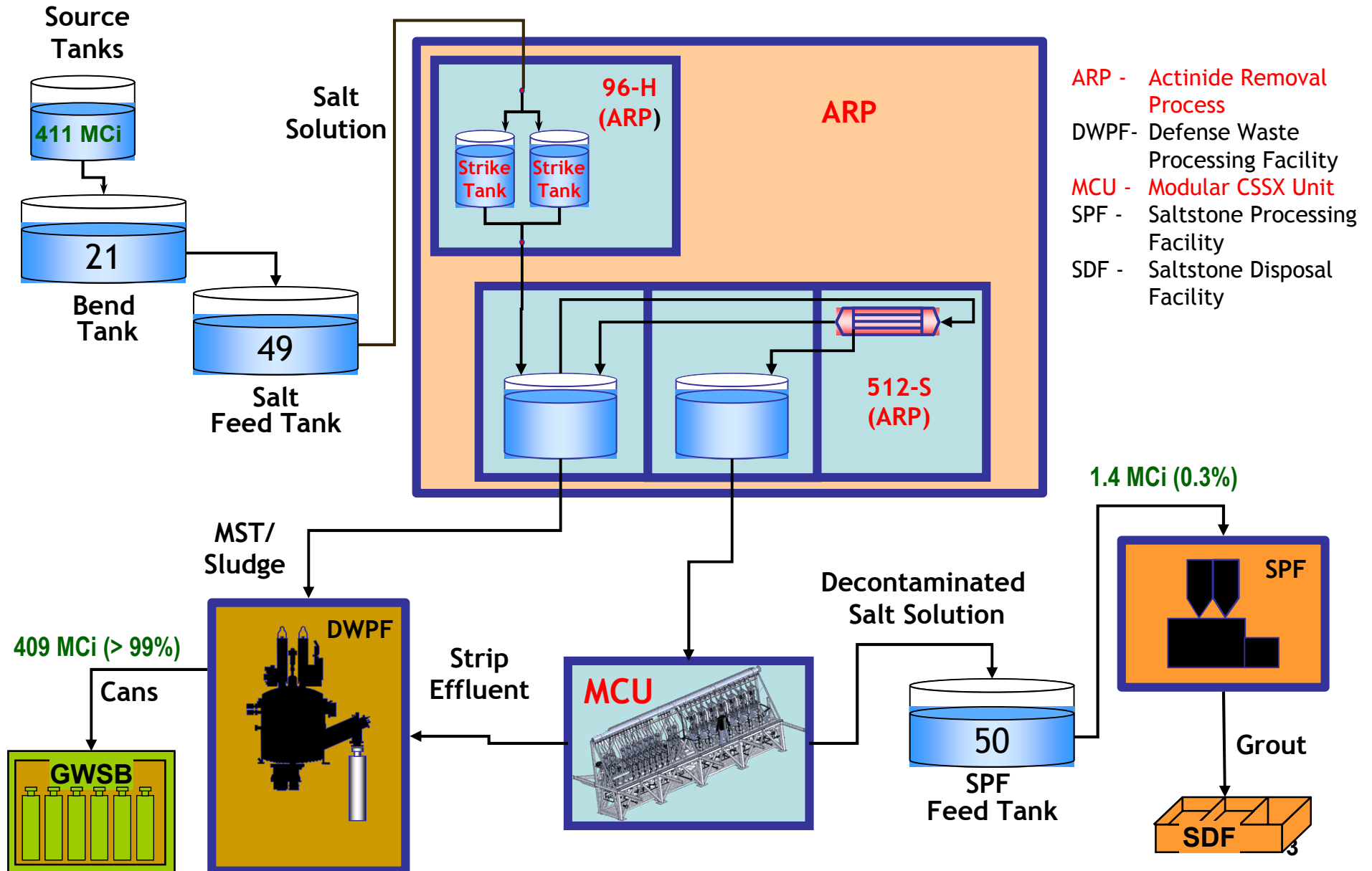
Tank Farm Operations Director

Savannah River Remediation, LLC

SRR-TFO-2010-00104



# Interim Salt Disposition



## 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	
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## **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

