



Liquid Waste Organization



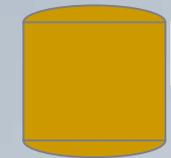
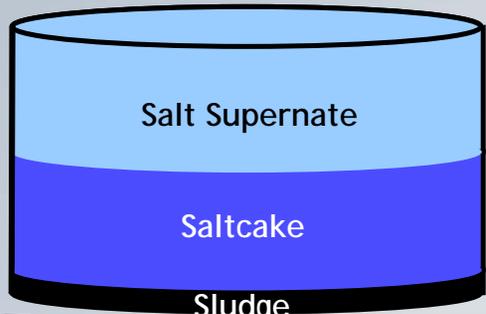
John E. Owen
Washington Savannah River Company
NSNFP Meeting
Richland, Washington
August 8, 2007

LWO-PIT-2007-00071

Savannah River Site Liquid Waste



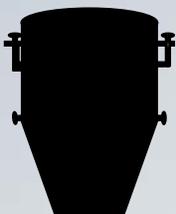
H Canyon
(Waste Influent)



FFA Closure



Tank 48
Recovery



Evaporator
Operations

Tank Farms

DWPF Recycle

Sludge Processing



Defense Waste
Processing Facility



Glass Waste
Storage Building
(Vitrified
Canisters)



Future Salt Waste
Processing Facility



Saltstone Feed
Facility



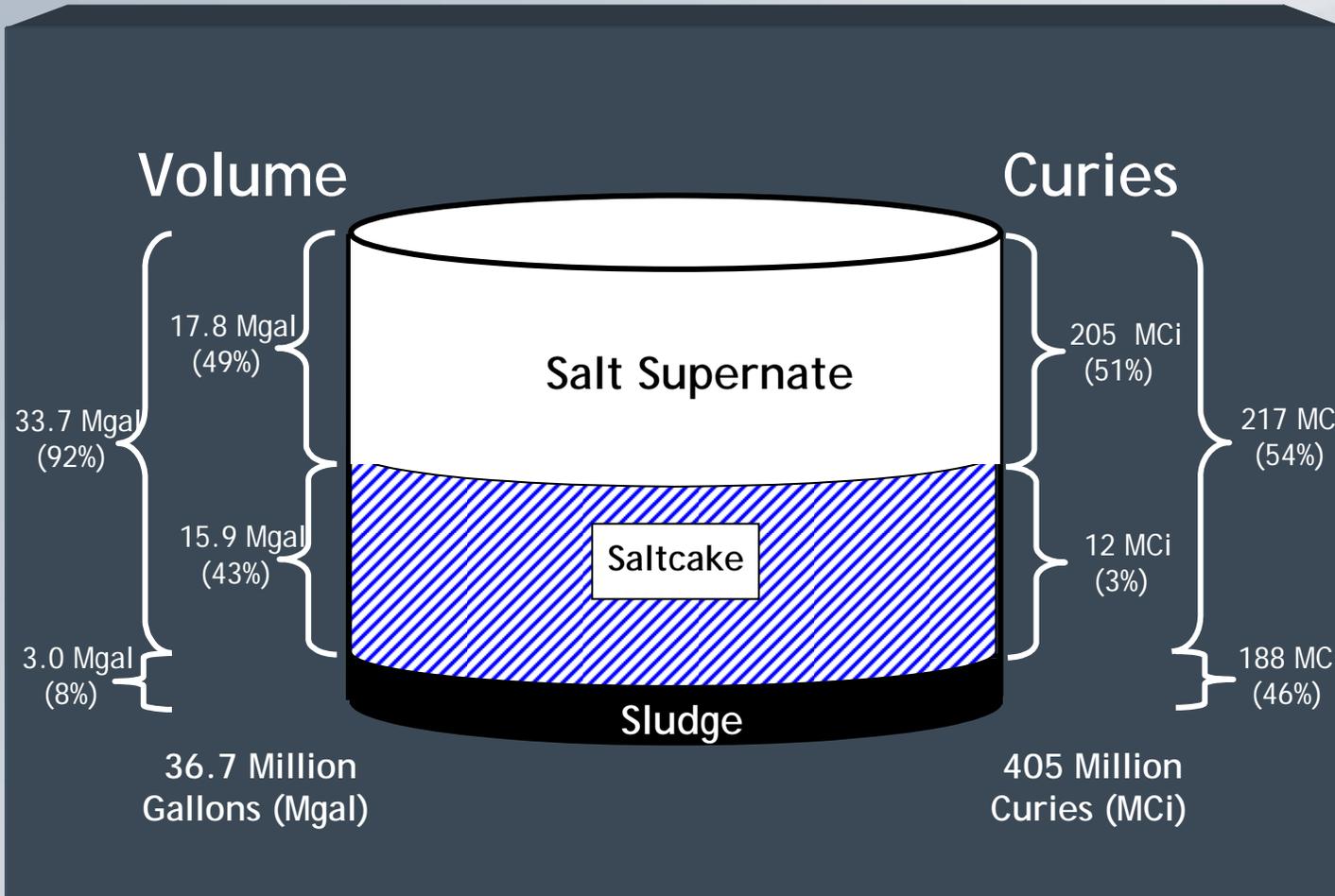
Saltstone



Vaults
(Grout)

Space Management

SRS Composite Inventory

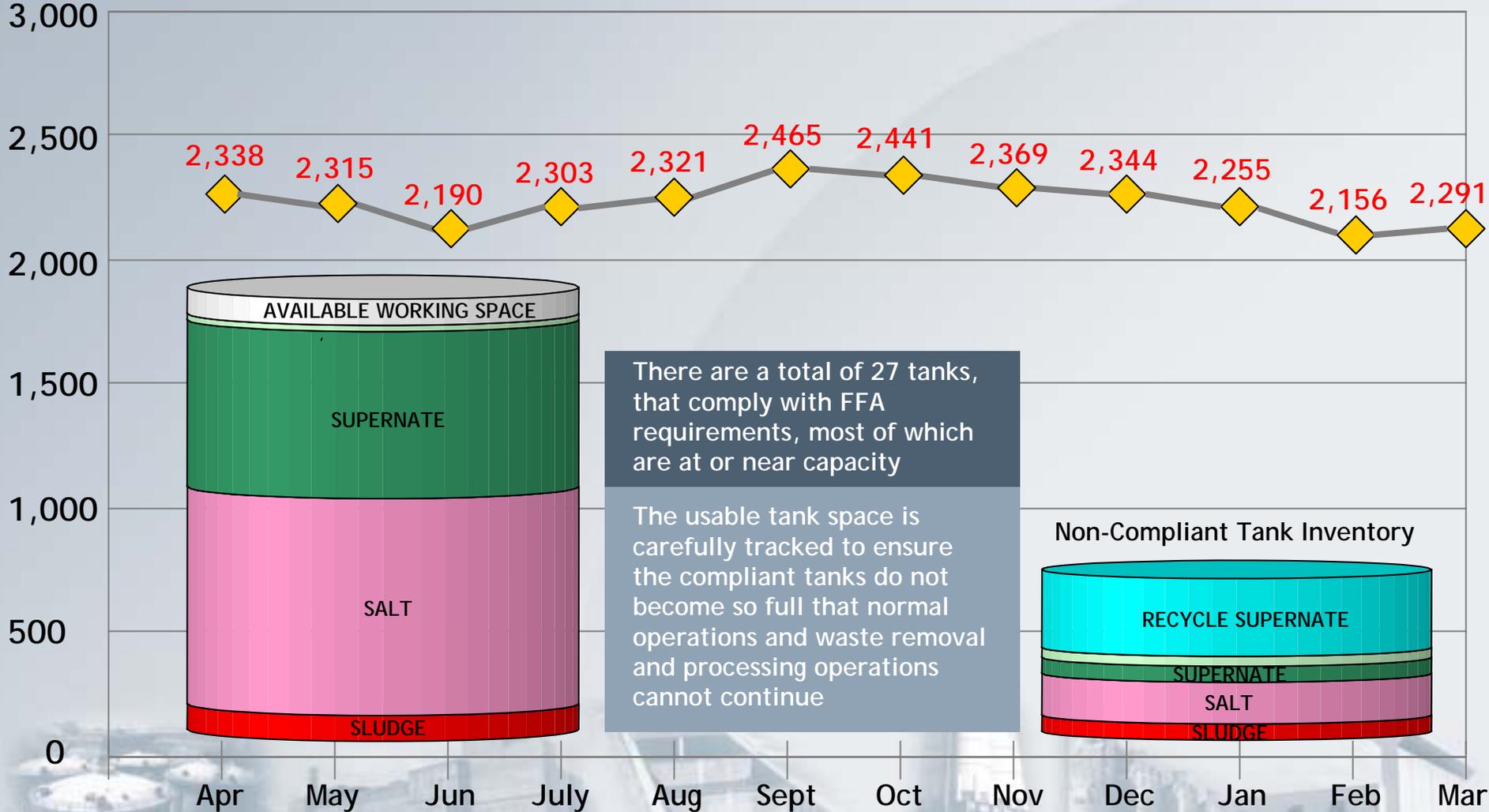


Inventory values as of 12/31/06

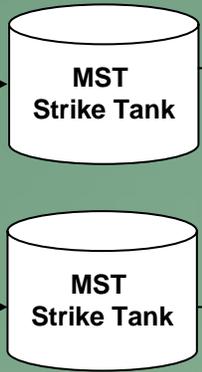


Compliant Tank Inventory

K Gals



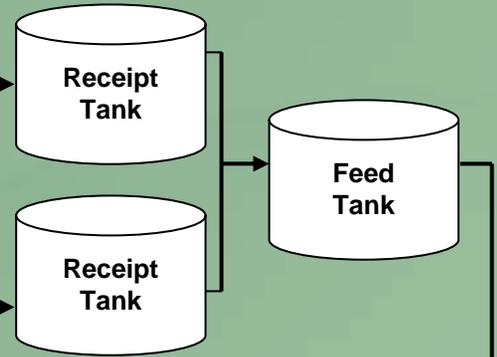
ARP (HTF: 96-H)



ARP (DWPf: 512-S)

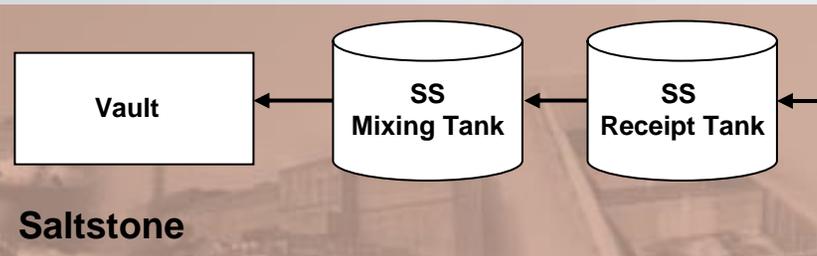
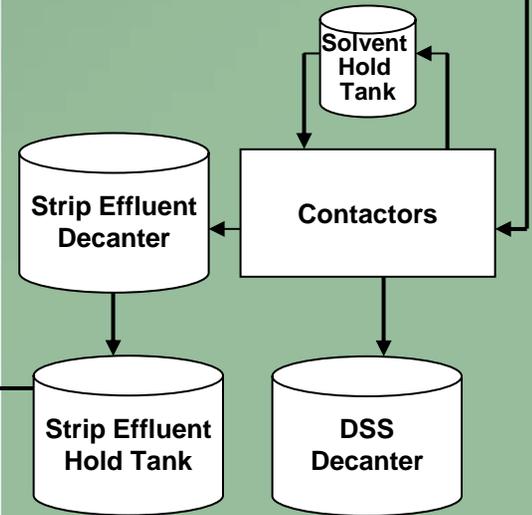
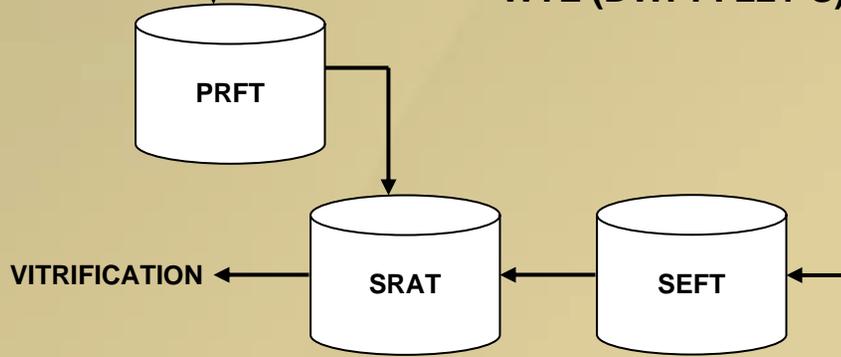


MCU (HTF: 278-H)



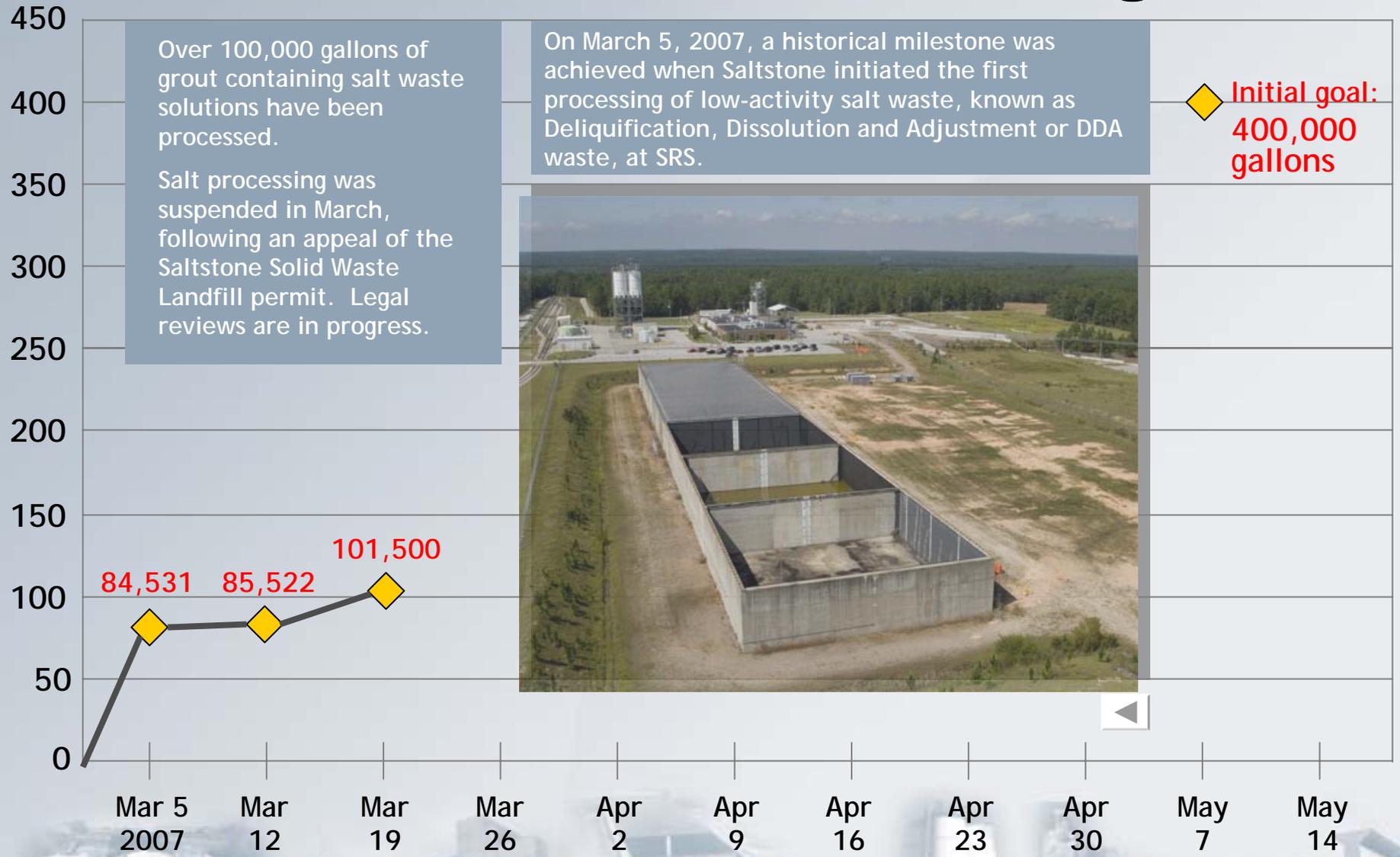
Interim Salt Processing

WTL (DWPf: 221-S)



Saltstone Processing Metric

K Gals



LWO Planning Development

- Liquid Waste Disposition Processing Plan (DPP)
Issued May 2006.
 - Plan through initial startup of SWPF
 - DPP Rev 1 in approval cycle
- SRS HLW System Plan was first issued in December 1992.
 - Rev 13 issued December 2002
 - New Lifecycle Liquid Waste Disposition System Plan in approval cycle

HLW Processing Overview

- 2344 Canisters Produced (thru July 25)
- Processing Sludge Batch 4 – High AI
- SME Coil / Vessel Replacement
- Melter 2 – Operational Since March 2003
- Melter 3 – Ready as Spare
- Melter 4 - Project Underway
- Sludge Batch 5 - Ready by August 2008

Issues and Challenges

- Completion of Section 3116 Process
 - Salt Processing
 - Tank Closure
- Tank Space Management Pending Salt Processing
- Construction and Startup of SWPF
- Impact of High Al Sludge on Production Rates
- Total Canister Production
- Availability of Federal Repository