



U.S. DEPARTMENT OF
ENERGY

Savannah River Site – Citizens Advisory Board Waste Management Committee

Liquid Waste Contract Transition

August 4, 2009

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Department of Energy
Savannah River Operations Office



EM *Environmental Management*
safety ♦ performance ♦ cleanup ♦ closure

Acronyms

ARP	Actinide Removal Process	MCU	Modular Caustic Side Solvent Extraction Unit
DF	Decontamination Factor		
DOE	Department of Energy	RFP	Request for Proposals
DWPF	Defense Waste Processing Facility	SDF	Saltstone Disposal Facility
		SPF	Saltstone Processing Facility
EM	DOE Office of Environmental Management	SRNS	Savannah River Nuclear Solutions, LLC
ETF	Effluent Treatment Facility	SRR	Savannah River Remediation, LLC
FY	Fiscal Year	SR	Savannah River Operations Office
GWSB	Glass Waste Storage Building	SRS	Savannah River Site
LLC	Limited Liability Corporation	SWPF	Salt Waste Processing Facility
LLW	Low Level Waste	WD	Waste Determination
LTAD	Low Temperature Aluminum Dissolution	WOW	Waste on Wheels (Tank Waste Removal System)



Purpose

The purpose of this presentation is to provide an update on status of Liquid Waste contract transition/implementation at SRS.



Savannah River Remediation, LLC

LLC Members

- Washington Division of URS Corporation
- Babcock & Wilcox Technical Services Group, Inc.
- Bechtel National, Inc.
- CH2M Hill Constructors, Inc.

Integrated and Critical Subcontractor

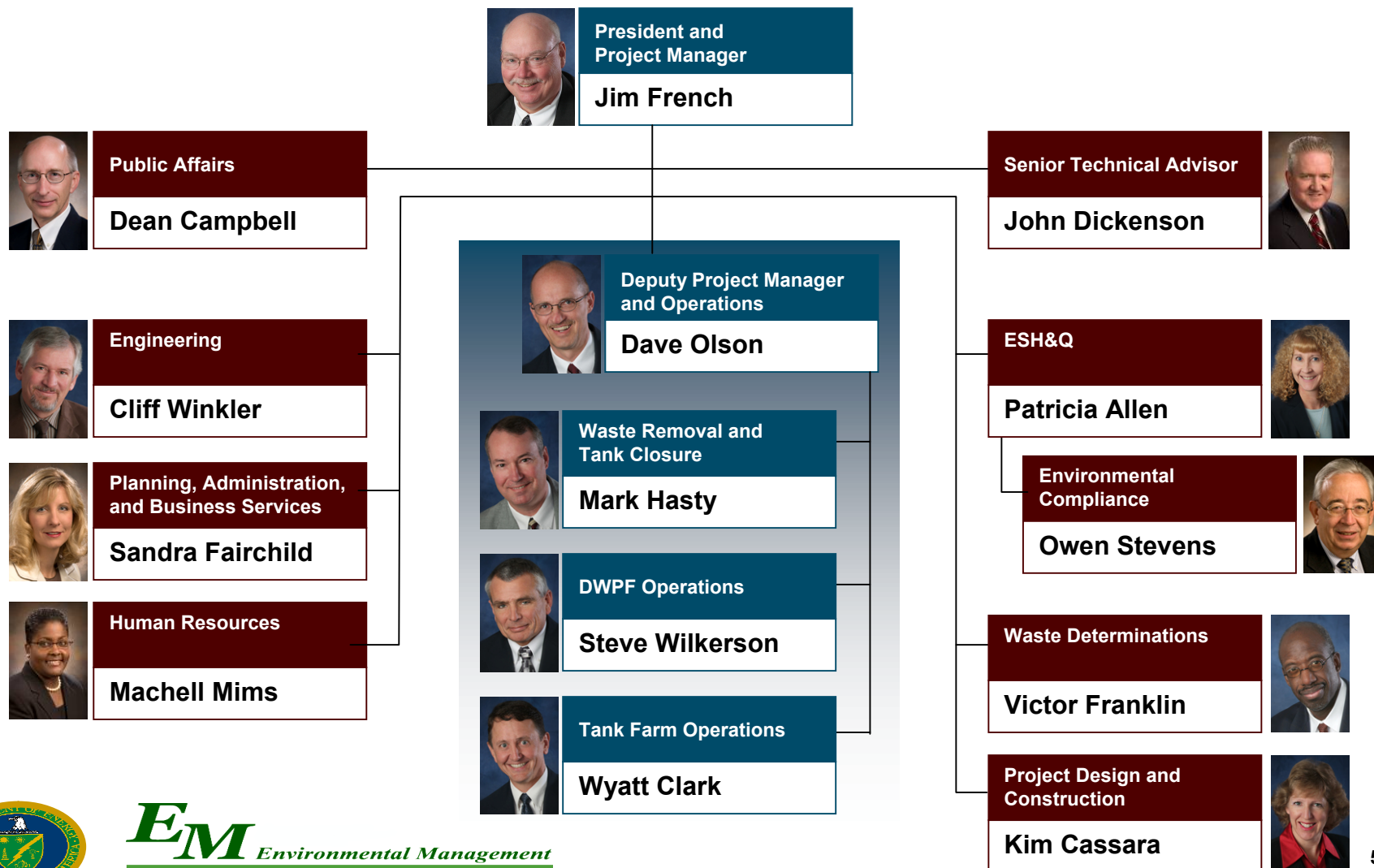
- AREVA Federal Services LLC

Critical Subcontractors

- Energy Solutions Federal EPC, Inc.
- Washington Safety Management Solutions LLC



SRR Management Team



Liquid Waste Contract Scope

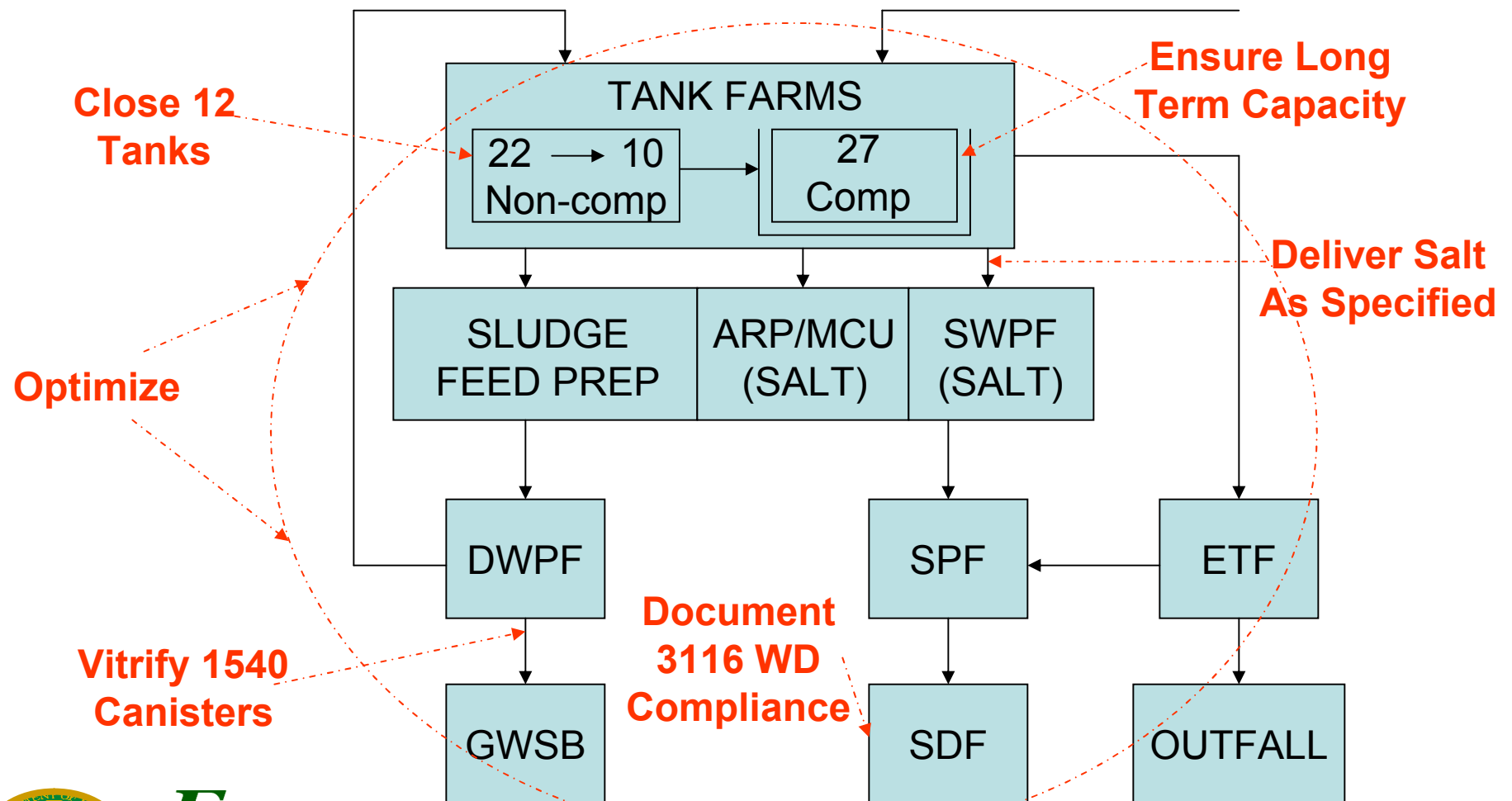
Execute the EM Liquid Waste Mission at SRS

“ . . optimize Liquid Waste system performance – accelerate tank closures and maximize waste throughput at the Defense Waste Processing Facility while ensuring sufficient tank space for continued long term operation . . “

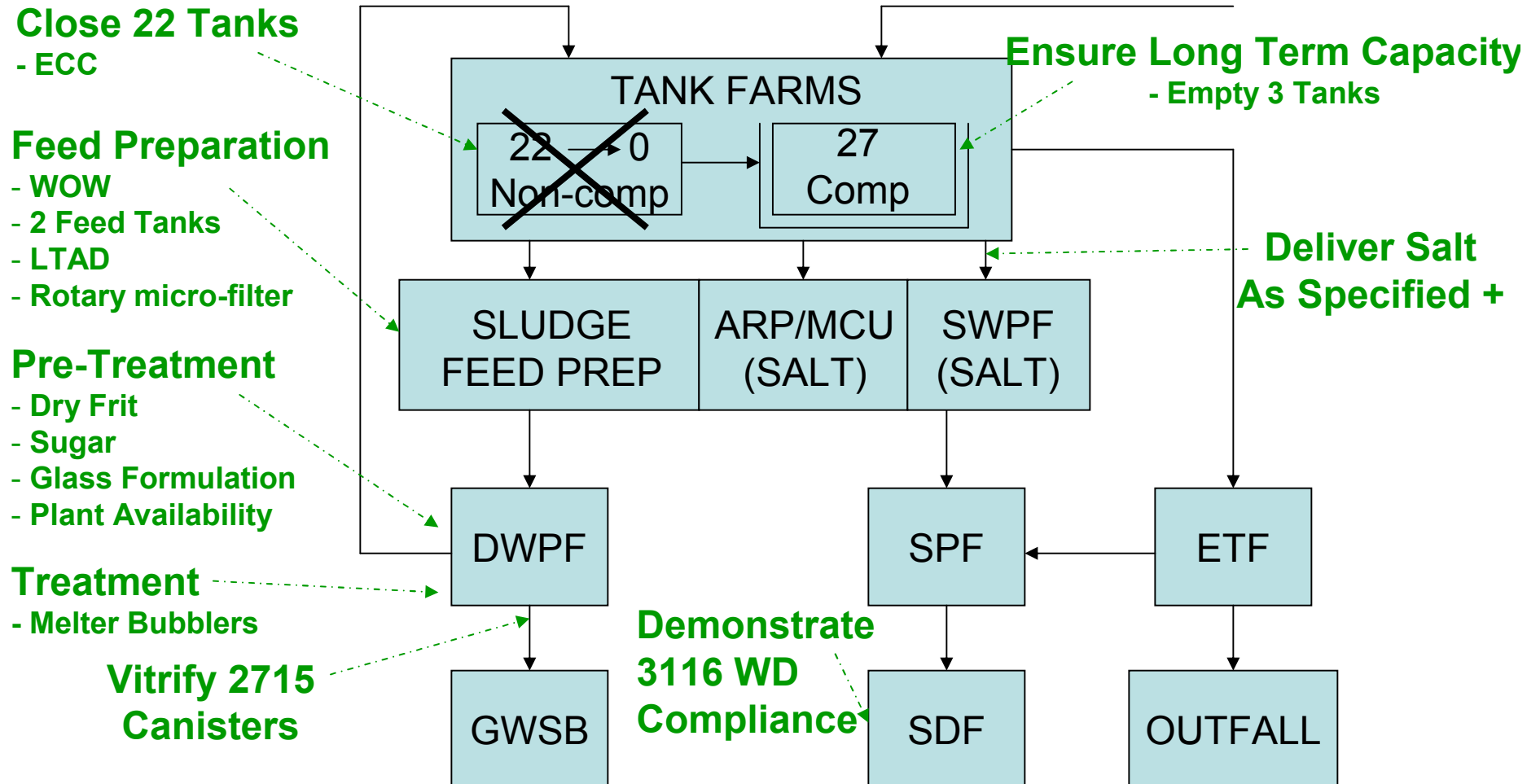
- Remove waste from tanks for treatment
- Operationally close noncompliant waste tanks
- Operate Liquid Waste treatment facilities (Defense Waste Processing Facility, Interim Salt Processing Facilities, Saltstone Facility, Effluent Treatment Facility)
- Operate Liquid Waste storage facilities (F & H Tank Farms, Glass Waste Storage Buildings)
- Six-Year Base Period Plus Two-Year Option Period



Liquid Waste RFP



SRR Proposal



SRR Contract H.50 Performance Requirements

Section C, Statement of Work specifies certain end state requirements which the Contractor shall achieve. In its Technical Proposal dated August 18, 2008, the Contractor (i) committed to deliver end states that exceed the Statement of Work-specified end states and (ii) made additional commitments. *The contract end states and additional commitments proposed by the Contractor in its Technical Proposal are incorporated as contract performance requirements* in paragraphs (b) and (c) below as they relate to the basic contract period and the option periods, if exercised, and *shall be incorporated in the Contract Performance Baseline* as specified in H.14 Project Control Systems and Reporting Requirements. Additionally, the Contractor-proposed end states and *additional commitments will be included in the Performance Evaluation and Measurement Plan.*



SRR Contract H.50 Performance Requirements

1. Operationally close non-compliant tanks a. Operationally close 15 non-compliant tanks (independent of SWPF processing) b. Operationally close all 22 non-compliant tanks	a. By end of Basic Term b. By end of Option 1 (if exercised)
2. Implement Enhanced Chemical Cleaning	By end of January 2011
3. Consolidate all remaining F Area sludge waste into Tank 26	By end of Option 1 (if exercised)
4. Produce DWPF Canisters a. Produce 1945 canisters b. Produce 2715 canisters	a. By end of Basic Term b. By end of Option 1 (if exercised)



SRR Contract H.50 Performance Requirements

5. Improve DWPF Canister Waste Loading a. Achieve and sustain 36 weight percent b. Achieve and sustain 40 weight percent	a. Beginning with Sludge Batch 6 b. By end of FY 2011
6. Reduce DWPF recycle stream generation	Reduce by 1.25 million gallons per year
7. Improve ARP/MCU operations a. Improve throughput rate b. Increase Cs-137 Decontamination Factor (DF)	a. Achieve 4 gallons per minute throughput rate b. Achieve average DF of 200



SRR Contract H.50 Performance Requirements

8. Enable batch transfers of LLW from ETF directly to Saltstone	Complete LW facility modifications to enable first batch transfer of LLW from ETF directly to Saltstone by FY 2012.
9. De-couple and protect SWPF from being shut down by a: a. DWPF outage b. Saltstone Facility outage	a. Provide at least 21 days of surge capacity for SWPF strip effluent prior to SWPF startup b. Provide at least 45 days of Decontaminated Salt Solution lag storage prior to SWPF startup



Contract Transition

- **SRR Workforce Hiring Process**
- **Facility Material Condition Walkdowns**
- **Evaluation of Results of Material Conditions Assessments**
- **Identification / Implementation of Procedure Blue-sheeting**
- **Development of SRR Interface Management Documents**
- **Preparation of SRR Standards Requirements Identification Document (S/RIDs)**
- **Preparation / Approval of SRR Authorization Agreement**
- **Development / Approval of USQD**
- **Negotiation of Labor Agreement w/ Building & Construction Trades Department**
- **Transition Readiness Reviews for DOE-SR**
- **SRR/SRNS Memorandum of Agreement**



Transition Results

- **Rigorous Review of Entire Liquid Waste Scope Completed**
- **Zero Pre-Existing Conditions Required Resolution Prior to Transition Completion**
- **SRR To Use Current Site Systems (i.e. Issue Tracking and Analysis, Commitment Tracking, Risk Management, etc.) to Prioritize and Manage Incorporation of Transition Issues into SRR Practices**
- **Material Differences Will Be Resolved During Contract Baseline Establishment**



Next Steps

- **Transition completed**
 - **SRR Started Work July 1, 2009**
- **Near Term SRR Deliverables**
 - **Contract Performance Baseline**
 - **Liquid Waste System Plan**
 - **Risk Management Plan**
- **Technical Direction / Contracting Officer Representatives**
 - **Allison (Johnson)**
 - **Spears (Folk)**

