



U.S. DEPARTMENT OF
ENERGY

*Presentation to the Savannah River Site
Citizens Advisory Board
Waste Management Committee*

**Tank Closure Update
October 18, 2011**

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EM Environmental Management
safety ♦ performance ♦ cleanup ♦ closure

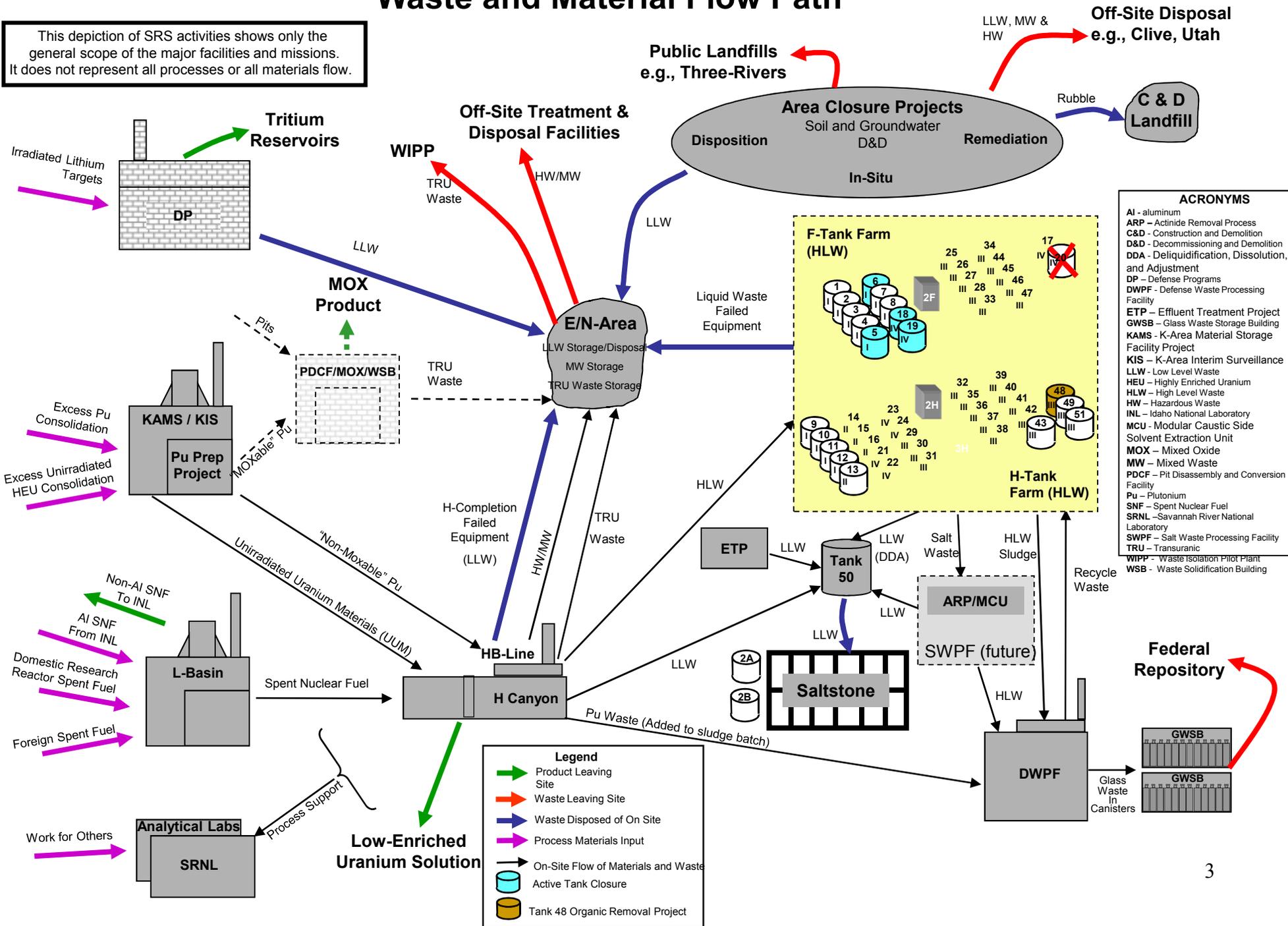
Purpose

- **Provide status of activities to close Tanks 18 and 19 in F Tank Farm**
 - **Schedule Status**
 - **Regulatory Documentation Path (decisions to be made)**
 - **DOE's Waste Determination**
 - NRC's Consultative Technical Evaluation Report
 - **DOE's NEPA Supplement Analysis**
 - **DOE's Closure of F Tank Farm Decision**
 - **SCDHEC's approval of Tanks 18 and 19 Closure Module**
 - **DOE/SCDHEC/EPA agreement to cease waste removal**
 - **DOE's authorization to close Tanks 18 and 19**
 - **Path forward**

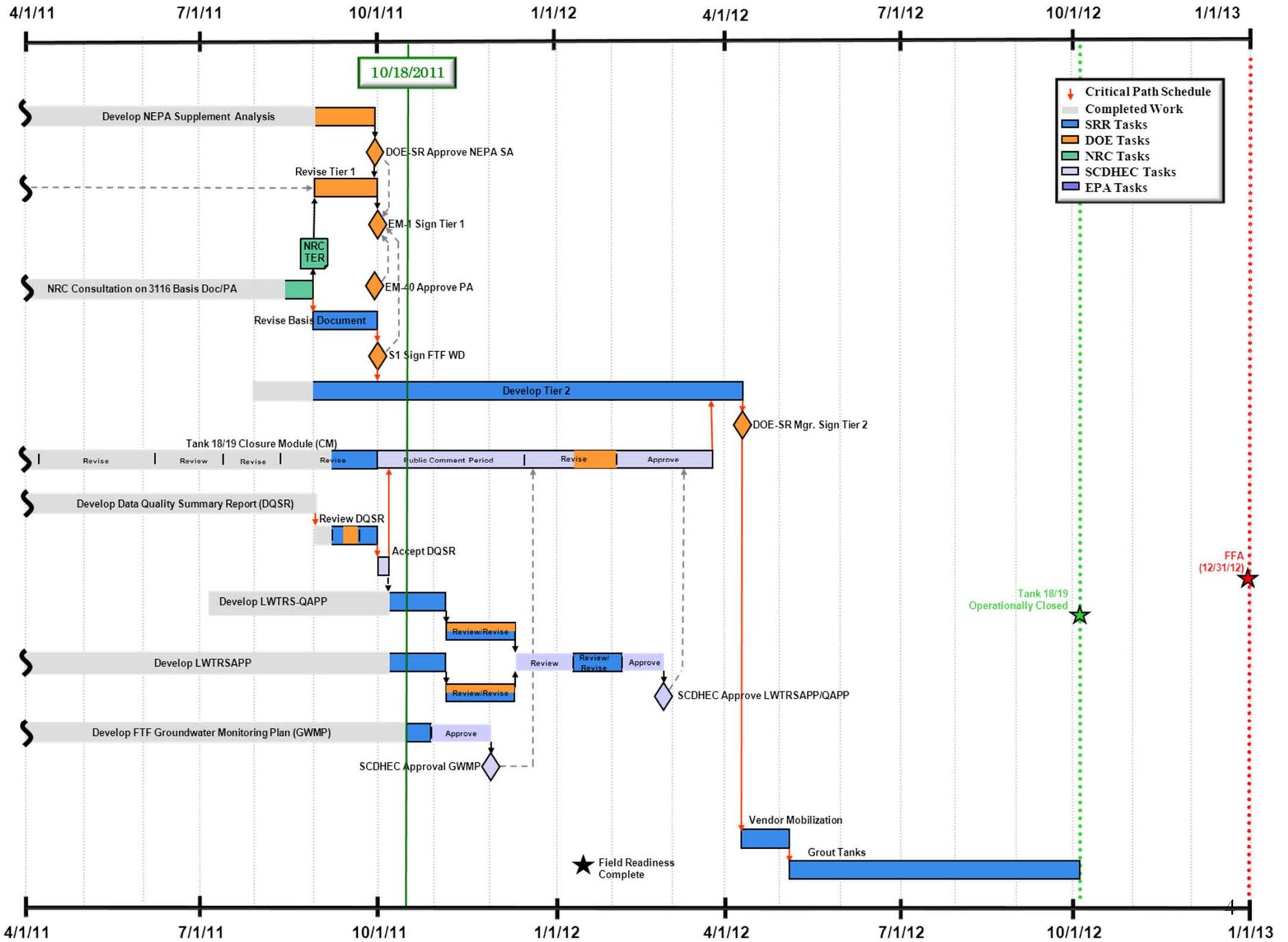


Savannah River Site Waste and Material Flow Path

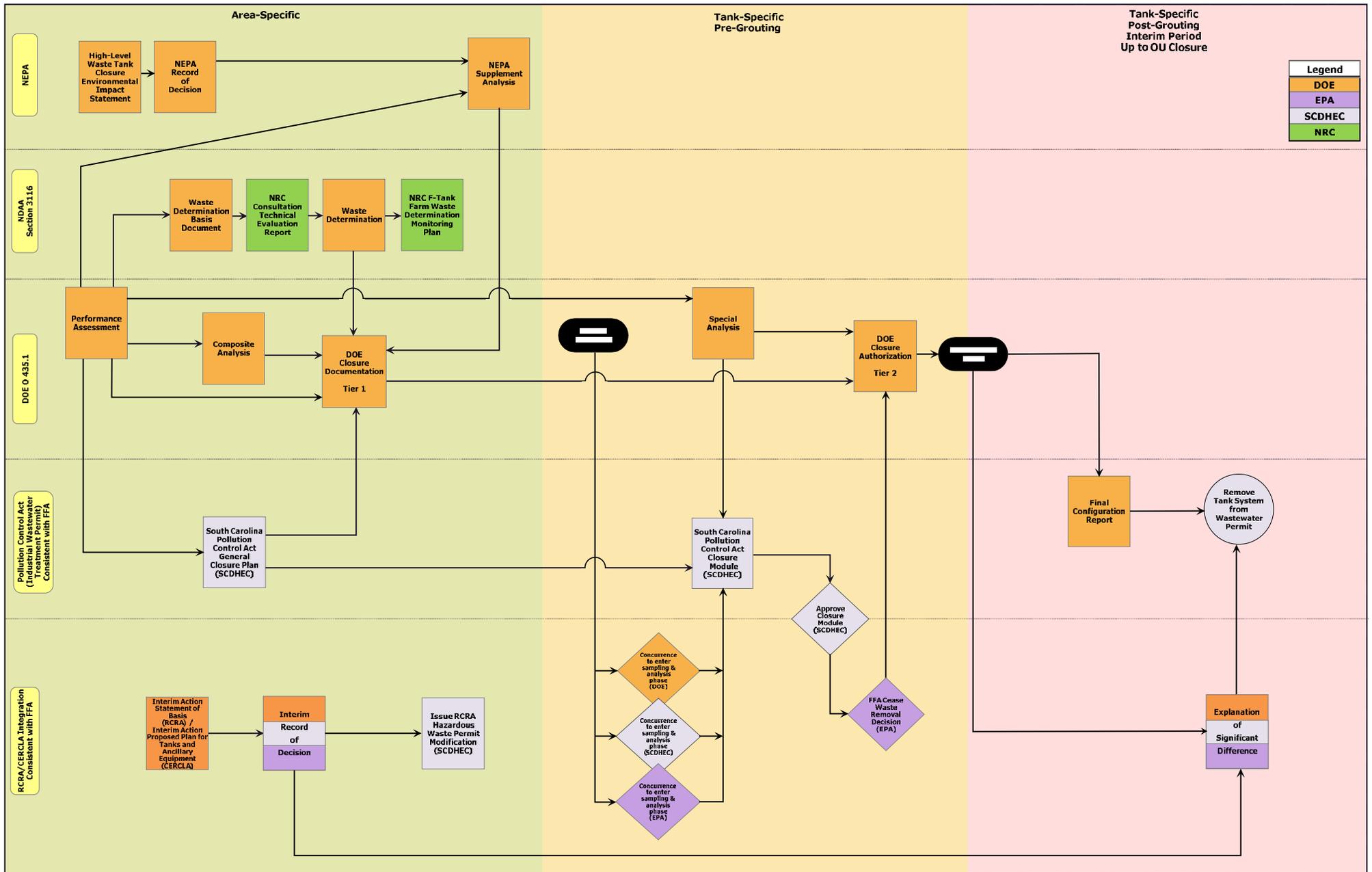
This depiction of SRS activities shows only the general scope of the major facilities and missions. It does not represent all processes or all materials flow.



Key Activities and Documentation Supporting Removal from Service of Tanks 18 and 19



DOE-SR's Regulatory Documentation Path to Waste Tank Removal From Service



DOE's Waste Determination

- **Regulatory Driver: Section 3116(a) of the National Defense Authorization Act for Fiscal Year 2005**
- **Decision: Can residual waste in F Tank Farm at the time of closure be safely managed as low-level waste through in-situ disposition?**
 - **DOE's decision is made in consultation with the Nuclear Regulatory Commission (NRC)**
 - **NRC publish a Technical Evaluation Report (TER) ~ October 2011**
 - **Joint agency public meeting planned (TBD)**
- **Status: DOE awaiting NRC TER to finalize Basis Document, Public Comment Responses, and Decision**
- **Decision is made by the Secretary of Energy and is anticipated by January 2012**
- **DOE will publish a Federal Register Notice and place supporting documents for public access at:**
http://sro.srs.gov/f_htankfarmsdocuments.html



DOE's NEPA Supplement Analysis

- **Regulatory Driver: National Environmental Policy Act (NEPA)**
- **Decision: NEPA requirements have been met**
 - **Supplement Analysis evaluates changes to program:**
 - **waste removal and tank cleaning technologies**
 - **new regulatory driver (NDAA versus DOE Order 435.1) and**
 - **new performance assessment modeling**
 - **Confirms no further NEPA documentation required**
 - **Confirms no change to the Record of Decision**
- **Status: Supplement Analysis has been prepared and reviewed, DOE awaiting NRC TER to finalize and approve**
- **Decision is made by DOE Savannah River Operations Office Site Manager and is anticipated by December 2011**
- **DOE will publish an Environmental Bulletin and post for public access**



DOE's Closure of F Tank Farm Decision

- **Regulatory Driver: DOE Order and Manual 435.1**
- **Decision: To proceed with closure of the F Tank Farm (Tier 1 Authorization)**
 - **Identify all applicable closure requirements**
 - **Document how requirements will be met**
 - **Identify any special conditions or limitations**
 - **Authorize Savannah River Operations Office to proceed**
- **Status: Document has been prepared and reviewed, DOE awaiting NRC TER to finalize and approve**
- **Decision is made by the Assistant Manager for Environmental Management and is anticipated by January 2012**



SCDHEC's Approval of Tanks 18 and 19 Closure Module

- **Regulatory Driver: Pollution Control Act, Industrial Wastewater Regulations**
- **Decision: Approve closure of Tanks 18 and 19**
- **Status: Closure Module has been reviewed by SCDHEC and EPA, comment resolution underway, and 45 day public comment period anticipated ~ November 2011**
 - **Public meeting planned (TBD)**
- **SCDHEC's Director of Water Facilities Permitting approval is anticipated by March 2012**
- **DOE post for public access at:
http://sro.srs.gov/f_htankfarmsdocuments.html**



DOE/SCDHEC/EPA Agreement to Cease Waste Removal

- **Regulatory Driver: Federal Facility Agreement**
- **Decision: Waste removal activities may cease for a specified tank or system**
 - **Basically the tank or system is clean enough to close**
- **Three agencies mutually agree: DOE, SCDHEC, and EPA**
 - **SCDHEC documents with approval of Closure Module**
 - **EPA documents in a Letter to DOE**
 - **DOE documents in Tier 2 Authorization**
- **Agreement is anticipated ~ March 2012**



DOE's Authorization to Close Tanks 18 and 19

- **Regulatory Driver: DOE Order and Manual 435.1**
- **Decision: To proceed with closure of Tanks 18 and 19 (Tier 2 Authorization)**
 - **Document all requirements have been met**
 - **Authorize and direct Operating Contractor to close the tanks**
- **Status: Pre-requisites underway, but not complete**
- **Decision is made by Savannah River Operations Office Site Manager and is anticipated by April 2012**



Path Forward

- **Upon receipt, DOE will evaluate NRC's TER and proceed with F Tank Farm decisions, as appropriate. (January 2012)**
 - **Joint public meeting planned (TBD)**
- **Support completion of SCDHEC, EPA and DOE Tanks 18 and 19 decisions (March/April 2012)**
 - **Public meeting on Closure Module planned (TBD)**
- **Start grouting Tanks 18 and 19 (May 2012)**
- **Complete closure by FFA commitment (December 2012)**

