



# Topics for CAB Consideration -

## Nuclear Materials Committee

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*Savannah River Site Citizens Advisory Board  
January 28, 2013*

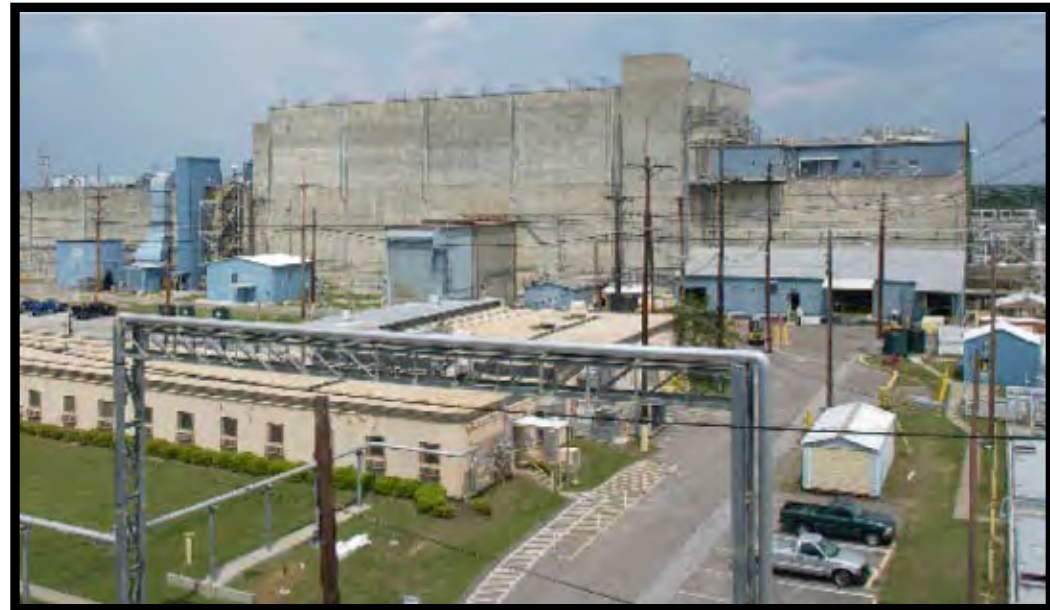


# Purpose

- To provide potential topics for the Nuclear Materials Committee for use in development of their 2013 Work Plan



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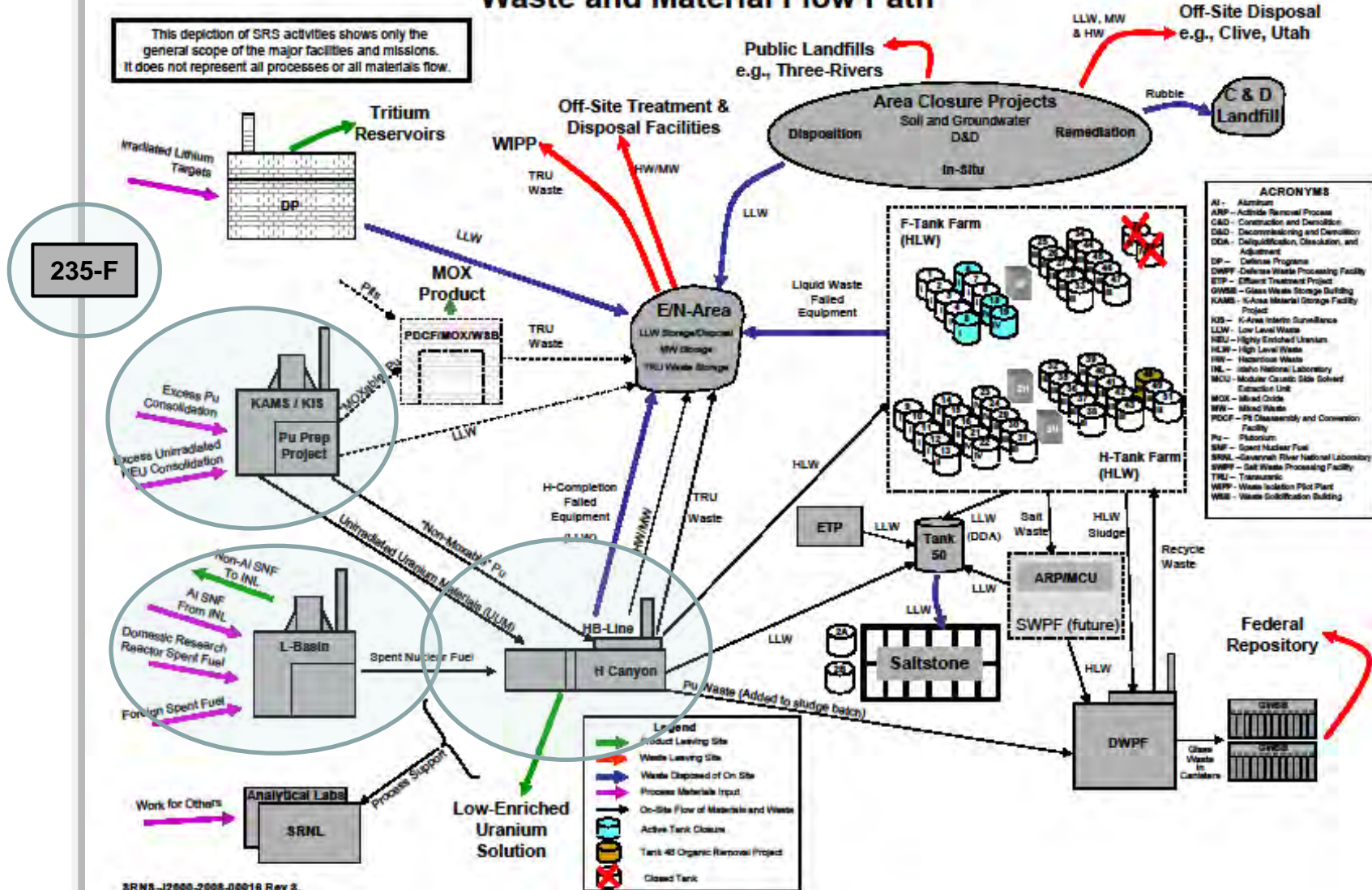


H-Canyon and HB-Line



# 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.



U.S. DEPARTMENT OF  
**ENERGY**

enterprise.srs

# 2012 Work Plan Status – All completed except BRC update

## **I. Nuclear Material Receipt and Storage**

### **1. Used Nuclear Fuel**

- i. L-Basin Augmented Monitoring and Condition Assessment Plan**
- ii. Foreign and Domestic Research Reactor Receipt and Storage Plans**
- iii. Used Nuclear Fuel Storage Risks to the Environment and Public**
- iv. Dry Used Nuclear Fuel Storage Initiative**

### **2. Plutonium, Uranium and Other Nuclear Materials**

- i. Receipt and Storage Plans**
- ii. Storage Risks to the Environment and Public**

## **II. Nuclear Material Reuse and Disposition**

- 1. Used Nuclear Fuel Disposition in H-Canyon**
- 2. Plutonium Disposition to Waste Isolation Pilot Plant**
- 3. Plutonium Reuse (Preparation) for Mixed Oxide Fuel Fabrication Facility**
- 4. Uranium Reuse and Disposition Plans**

## **III. Strategic Initiatives and Policy Discussions Related to Nuclear Materials**

- 1. Enterprise SRS Strategic Initiatives**
- 2. Blue Ribbon Commission's Report on America's Nuclear Future**
- 3. Public Law and Legal Decisions Involving Nuclear Material Disposition**
- 4. Transmutation**

# Proposed Topics for 2013 Nuclear Materials Work Plan

## I. Nuclear Material Receipt and Storage

1. Principles of Understanding with South Carolina - Annual Shipment Report (Annual Report of all transfers into and out of SRS)
2. H-Canyon Used Fuel Processing Decision Update
3. **Used Fuel Update (AMCAP, Dry Storage Initiative, FRR/DRR receipts)**

## II. Nuclear Material Reuse and Disposition

1. **Update on H-Canyon Missions (Roadmap)**
2. Update on H-Canyon Processing Credit
3. 235-F Implementation Plan cost and schedule for deactivation (joint with Facility Decommissioning and Site Remediation Committee)

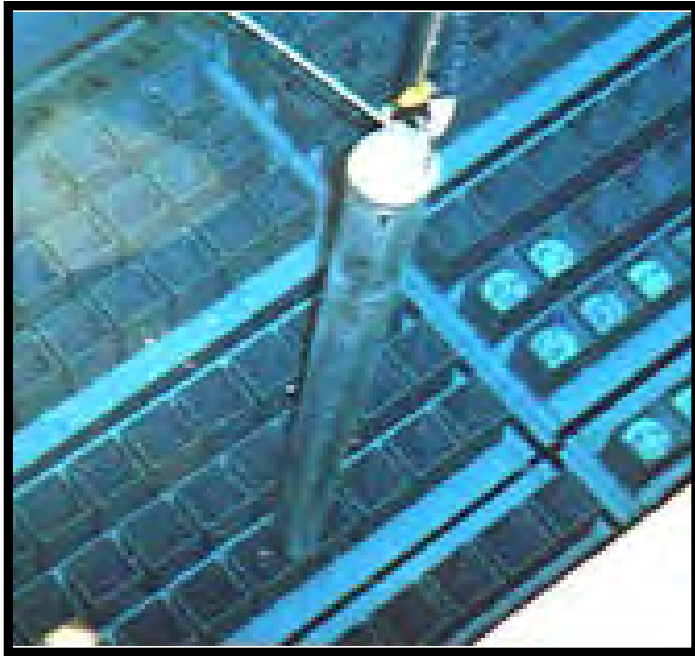
## III. Strategic Initiatives and Policy Discussions

1. Department's Response to the Blue Ribbon Commission's Report on America's Nuclear Future
2. **Status of Enterprise SRS – Nuclear Material Initiatives**

*Items in red represent DOE's most important topics requiring CAB input*

# Path Forward

- Committee agree to which topics to be included
- DOE will develop schedule for when topics are to be covered
- Obtain Approval of the Work Plan



L-Basin Fuel  
Movements

