West Valley Demonstration Project

Projected Work
Sept 1, 2007 – June 30, 2011

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Evolving Path Forward
Currently planned work
- Manage and dispose of waste
- Operate Remote Handled Waste Facility
- Prep Main Process Plant Building, Remote Handled Waste Facility (RHWF) and Vitrification Facility for demolition
- Remove balance of unneeded site facilities
- NRC-licensed Disposal (NDA) Cap

Additional work currently being planned
- Dry HLW tanks and vaults
- Strontium-90 plume mitigation
- HLW canister relocation

Key: Enhanced Interim End State Work
Waste Management and Disposition

- Drums of cemented waste
  - Shipping will be complete this week
    - WVNSCO 15,876 drums
    - WVES 2,688 drums
- Low-level waste
  - Complete processing and shipping stored waste (~87,000 feet³)
  - Ship new waste as generated (~54,000 feet³ annually, projected based on plan)
- Vitrification melter and two process vessels
  - Complete preparations and ship to Nevada Test Site for disposal
  - Prepare/package Transuranic waste for shipment

Prepare and operate Vitrification Facility to process and package remote-handled waste

Remote Handled Waste Facility (RHWF) and Vitrification Facility
- Focus on processing approximately 80,000 feet³ in preparation for shipment in fiscal years 2007, 2008, early 2009
- Current plan is to begin demo preparations in early 2009, ending in 2011

Balance of Facilities
- Remove facilities not planned for further use

Main Plant Process Building

Prepare for future demolition
- Remove targeted areas of contamination
  - Tanks, vessels, piping
  - Sections or layers of internal walls/floors
- Fix / seal contamination, as appropriate, for demolition
- Conduct modeling of contamination status (CAP88) to support safe demolition
- Obtain approval for NESHAPS Permit and Demolition Plan from EPA and DOE
- Address RCRA requirements