

West Valley Demonstration Project
WVES LLC

West Valley Demonstration Project

West Valley Environmental Services

Projected Work

Sept 1, 2007 – June 30, 2011

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 Sr. Technical Advisor

October 24, 2007
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West Valley Demonstration Project
WVES LLC

Sept 1, 2007 – June 30, 2011

◆ **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**

Oct 2007 | March 2010 | June 2011

Record of Decision (ROD) | ROD Implementation

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

Key: Enhanced Interim End State Work 19283_2



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◆ 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



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Sept 1, 2007 – June 30, 2011

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◆ 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

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Sept 1, 2007 – June 30, 2007

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◆ **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



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