

West Valley Demonstration Project  
**WVES LLC**

West Valley Environmental Services

# West Valley Demonstration Project

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

Oct 2007 | March 2010 | June 2011

Record of Decision (ROD) | ROD Implementation

**Key: Enhanced Interim End State Work**

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**Sept 1, 2007 – June 30, 2011**

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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 feet<sup>3</sup>)
- Ship new waste as generated (~ 54,000 feet<sup>3</sup> 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 feet<sup>3</sup> 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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