West Valley Demonstration Project
Phase I Decommissioning
Project Status

One Project. One Team. One Goal.

Presented by: Dan Coyne, CHBWV
April 24, 2013

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Safety Performance

• CHBWV has worked 164 days (approximately 228,353 work hours) without a lost-time work accident or illness

• Initiatives: Health & Wellness, VPP STAR, Mentoring First-Line Supervisors
Milestone 1: Complete high level waste (HLW) canister relocation

- Approved Vertical Cask Transporter (VCT) equipment specification/preliminary design-authorized material procurements
- Repaired Vitrification Cell shield door
- NAC provided preliminary drawings for Cask Construction Project in the North Parking Lot
- Design/planning for High-Level Waste (HLW) canister pad continues – pre-qualified bidder

EDR Waste Removal for Shield Door Repair

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Milestone 2 Accomplishments

Milestone 2: Process, ship and dispose of all legacy waste off-site

Milestone 2 Legacy Waste Shipping Status

- Not Shipment Ready
- Ready NNSS
- Ready Commercial
- Cumulative Shipped

Volume Shipped Offsite ft³

Number of Containers - Ready and Not Ready for Shipment

- Sep 11
- Nov 11
- Dec 11
- Jan 12
- Feb 12
- Mar 12
- Apr 12
- May 12
- Jun 12
- Jul 12
- Aug 12
- Sep 12
- Oct 12
- Nov 12
- Dec 12
- Jan 13
- Feb 13
- Mar 13

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Milestone 3: Demolition and removal of the Main Plant Process Building (MPPB) and the Vitrification Facility (VF)

- Main Plant Process Building (MPPB) - Deactivation
  - Completed removal of asbestos containing material in the Radio/Analytical Chemical Laboratory
  - Removed 1,000 linear feet of piping in the liquid waste Cell
  - Completed asbestos removal in Plant Office 3rd Floor
  - Lower extraction aisle ‘demolition’ ready

- Vitrification Facility - Deactivation
  - Completed Vitrification Cell aisle deactivation
  - Completed Vitrification Cell airlock door repair
Cold, Dark, and Dry Initiatives
- Electrical disconnect installations for 14 supplemental heating units continue
- Working supplemental heater installation for Utility Room (UR)
- Site well design is 30% complete (clarifier, lake source, etc.)

New Utility Room Natural Gas Heater
Milestone 4 Accomplishments

Milestone 4: Complete all work described in the Performance Work Statement

01-14 Building
- Continue demolition of facility

BOSF
- Work Instruction Package (WIP) development for Vitrification Diesel Fuel Oil Storage Pad, and New Cooling Tower

New Generation Waste Shipments
- 2,430 ft³ construction debris industrial waste
- 65,070 ft³ to date
### Project Description

<table>
<thead>
<tr>
<th>Milestone 1: Complete high level waste (HLW) canister relocation</th>
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<tbody>
<tr>
<td>Storage Pad Design</td>
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<tr>
<td>Design is expected April 26</td>
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<table>
<thead>
<tr>
<th>Milestone 2: Process, ship and dispose of all legacy waste off-site</th>
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<tbody>
<tr>
<td>Initiate processing of 243 high moisture cement drums in preparation for shipment</td>
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<tr>
<td>October</td>
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<tr>
<th>Milestone 3: Demolition and removal of the Main Plant Process Building (MPPB) and the Vitrification Facility (VF)</th>
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<tbody>
<tr>
<td>Complete 01-14 Building demolition</td>
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<tr>
<td>May</td>
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<tr>
<td>Complete Vitrification Cell equipment clean out</td>
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<td>September</td>
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<tr>
<td>Complete removal of all asbestos containing materials from the laboratories, laundry and MPPB office areas</td>
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<td>April 30 – September 30</td>
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<th>Milestone 4: Complete all work described in the Performance Work Statement</th>
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<td>Restoration of Balance of Site Facilities (Foundations of Old Warehouse, Count Lab, Waste Test Facility, vitrification diesel oil storage pad)</td>
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<td>July</td>
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Questions?