West Valley Demonstration Project
Phase I Decommissioning
Project Status

One Project. One Team. One Goal.

Presented by: Dan Coyne, CHBWV
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Safety Performance

• CHBWW has worked 514 days without a lost-time work accident or illness
• WVDP has worked more than 4.8 Million hours without a lost-time work accident or illness
• Conducted annual block training for 105 employees (January 7-8)
  – Respiratory Training, Ladder Safety, Rad Worker Refresher, Waste Generator Training, Hearing Conservation, Lock Out/Tag Out (LO/TO)
Work continues on the High Level Waste Canister project:

• 50% Design Review completed for HLW Storage System – 100% design review in progress
• Design for Storage Pad in progress
• Issued Canister Decon Test Plan

Future Cask Storage Pad Location
Milestone 1 Accomplishments

- Waste removal activities for Equipment Decontamination room (EDR) and Chemical Process Cell (CPC):
  - Size reduced/removed Tipping Fixture and Submerged Bed Scrubber (SBS) Platform
  - Predator Arm’s hydraulic fluid was drained and arm packaged/removed
## Milestone 2 Accomplishments

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<tbody>
<tr>
<td></td>
<td>No. of Shipments</td>
<td>Volume (ft³)</td>
<td>No. of Shipments</td>
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<tr>
<td>LLW</td>
<td>157</td>
<td>132,636</td>
<td>40</td>
</tr>
<tr>
<td>MLLW</td>
<td>9</td>
<td>6,344</td>
<td>4</td>
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<tr>
<td>Industrial</td>
<td>3</td>
<td>1,391</td>
<td>On site through interceptor + 3 shipments</td>
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<tr>
<td>Hazardous</td>
<td>2</td>
<td>120</td>
<td>1</td>
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<tr>
<td>Total</td>
<td>171</td>
<td>140,491</td>
<td>48</td>
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*Monthly volumes are approximates until end of the month; this table will be updated once the actual Waste Disposition Plan numbers are computed.

* Reduction in total number of cubic feet from the planned volume is due to repackaging operations.
Milestone 2 Accomplishments

- Completed 5 low level waste and 2 mixed low level waste milestones
- Continue Processing the 3C-2 Dissolver in RHWF
- Initiated planning for the processing of the 3C-1 Dissolver
- Initiate container sampling and repackaging of low level waste in the Waste Processing Area in Lag Storage Area (LSA 4)
- Evaluating disposition path for waste containers stored outside
- Completes shipping of all legacy hazardous and industrial waste
Milestone 3 Accomplishments

Preparations of Main Process Plant Building and Vitrification Facility to a demolition-ready state are continuing:

- Drained and removed process chemical piping systems in the Lower Extraction Aisle (LXA) and Chemical Operating Aisle (COA); 80% complete
- Removed ceiling grid, overhead interferences, and lighting from the Radio & Analytical Chemistry lab and bathrooms in preparation for Asbestos-Containing Material (ACM) removal
- Isolated and air-gapped out-of-service utility lines on instrument racks and cell wall in the Vitrification Facility Aisles (Upper and Middle West Operating Aisle)
- Commenced overhead interference removal in support of accessing the Liquid Waste Cell (LWC)
- Commenced preparations for size reduction of down draft table in the Vit Cell
01/14 Demolition
Northwest Corner

Original Construction  After Phase 1  After Phase 2
Milestone 4 Accomplishments

01-14 Building Demolition
- Continued demolition on the north side of the facility around the off-gas pipe gallery and the pipe bridge between Utility Room and the 01-14 Building
- Continued waste load out of demolition debris
- Expect to complete demolition of 01-14 Building by the end of April 2013

Balance of Site Facilities
- Waste Load Out – Old Warehouse, Count Lab, Vitrification Fab Shop, and WTF Test Tower – Completion date set for January 31, 2013
Regulatory Compliance

- Final NYSDEC approval received on November 29 for RCRA closure of Hazardous Waste Storage Lockers
- Designing a solar-powered sampler for the runoff diversion channel at the NRC Licensed Disposal Area (NDA)
- Petroleum Spill Report was submitted to NYSDEC on January 3
  - No reportable spills this past quarter
- Regulatory Roundtable conducted on November 15 attended by Regulatory Stakeholders – NRC, EPA, NYSDEC, NYSDOH
- Continuing to operate ambient air monitoring network in support of 01-14 demolition
CHBWV Contract

• Performance based contract, incentivized for safe, cost effective completion of the 4 major milestones
• DOE defines the scope through the contract and CHBWV executes within the contract specified requirements
• DOE provides oversight of CHBWV, but execution strategy is established by CHBWV
Questions?