West Valley Demonstration Project
Phase I Decommissioning
Project Status

One Project. One Team. One Goal.

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Safety Performance

• CHBWV has worked 135 days without a lost-time work accident or illness

• WVDP has worked approximately 184,402 work hours (136 days) without a lost-time work accident or illness
Milestone 1 Accomplishments

- Completed 100% Design Review for the High-Level Waste (HLW) Storage System
Milestone 1 Accomplishments

• DOE-WVDP and NYSERDA agencies agreed with the soil management plans and lay-down location; planning for pad spoils underway

• Nuclear Assurance Corp. (NAC) awarded the fabrication of WVDP storage cask liners to subcontractor

• Commenced bid package preparation for slab construction and roadway improvements
Milestone 1 Accomplishments

- Canister Decontamination Test Plan issued/completed
  mockup of the canister dry vacuum
- Finalizing Hanford return of grapple and welding equipment for significant savings
Milestone 2 Accomplishments

• Low-Level Waste (LLW) Sampling and Repackaging
  
  – Three work packages were sampled in the Waste Processing Area (WPA) in Lag Storage Area (LSA) -4 as follows:
  
    – High-moisture work package 5 out of 5 samples have been collected.
    – WPA Processing work package 33 samples out of 47 have been completed.
    – Ready to Ship to Vendor work package 28 out of 34 samples have been taken.
    – Characterization work package will begin sampling in March.
Milestone 2 Accomplishments

• Continued evaluation and disposition of LLW containers stored outside
  – Kistner box inspection does not indicate any accumulation of water
Milestone 3 Accomplishments

Main Plant Process Building (MPPB) - Deactivation

- Radio/Analytical Chem Lab
  - Asbestos Containing Material (ACM) Removal – 100% Complete

- Liquid Waste Cell – Interference Removal in Overhead of Lower Extraction Aisle and Chemical Operating Aisle

ACM Glovebag in Analytical Aisle
Milestone 3 Accomplishments

Vitrification (Vit) Facility - Deactivation

- Instrument Rack Piping Systems - Operating Aisles – Lower, Middle, & Upper West (20 of 26 complete)
- Vit Cell Clean Out – Hazardous Waste Removal (batteries)
Milestone 4 Accomplishments

01-14 Building
• Completed Step 2 Demolition of Facility. Commencing Step 3 Demolition

Balance of Site Facilities (BOSF)
• Vit. Fab Shop, Counting Lab, & Old Warehouse West Foundation Demo Debris Load-out and removal continues
Milestone 4 Accomplishments

- **February New Generation Waste Shipments**
  - 9,585 ft³ Construction Debris Industrial Waste
  - 65,070 ft³ to date

- **Remote-Handled Waste Facility (RHWF)**
  - 3C-2 processing is approximately 90%. Bottom base and debris remains.
  - Thirteen Boxes of LLW Surveyed and Packaged approximately 95% has been packaged as LLW.
  - Four RH-TRU drums packaged and loaded into a Kistner box.

Loading LLW Shipment in LSA 3

Preparing Intermodals for D&D Activities and Loading of Newly Generated LLW
Milestone 4 Accomplishments

• In-Progress Maintenance Activities
  – Hydrant 6 repaired/fab parts for Hydrants #4/plan for Hydrant #1
  – Continued planning repairs for Lake 2’s 36-in Gate Valve

• Other Initiatives
  – Updating Fire Hazard Analysis documents for site facilities
  – Completed Rail Inspection
  – Continue installation of electrical heater to replace steam
  – Continue with shutdown of Waste water treatment plant

Rail Spur Inspection
Milestone 4 Accomplishments

Cold, Dark, and Dry Initiatives

• Interim MS 04-65 complete w/relocation of tanks 8D-3 and 8D-4 instruments
• Work planning for Waste Tank Farm (WTF) Equipment Shelter, condensers, and Con-Ed building end points
• Work planning for Cooling Tower end points

8D-3 and 8D-4
New Instrument Location