CHBWW Project Update

Daniel Coyne  
*President and General Manager*  
CH2M HILL B&W West Valley  
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**Milestone 1 - Project Scope**

- **Objective:** Relocate waste from Main Plant to a stand-alone dry cask storage system
  - 275 HLW canisters
  - 2 evacuated canisters
  - 1 non-routine HLW canister (WV-413)
  - 2 miscellaneous debris drums
- **Technical Approach**
  - Perform “operational decon” of canisters
  - Load 5 canisters into an overpack nested within the shielded cask
  - Remotely weld overpack
  - Secure cask lid
  - Transfer to new storage location
Milestone 1 - HLW Relocation

Recent Accomplishments

Main Pad
- 144 feet by 110 feet by 3-foot thick
- 133 tons of reinforcing steel
- 1,800 cubic yards of concrete

Approach Apron
- 98 feet by 170 feet by 18-inch thick
- 110 tons of reinforcing steel
- 935 cubic yards of concrete

8 Vertical Storage Casks (VSCs)
Completed; 8 More Ordered

Initiated modifications planning for:

Equipment Decontamination Room (EDR)
- Floor structural enhancements

Chemical Process Cell (CPC)
- Load-lowering device
- Decon technology testing for selection

Load-In/Load-Out Facility
- Welding system utilities
- Entry/Cask prep areas
Milestone 1 – HLW Relocation, cont.

8 HLW Canister Overpacks being Fabricated  
*June Delivery*

Milestone 1 – HLW Relocation, cont.

Loaded Canisters

Overpack Welding System  
*April Delivery*

Milestone 1 – HLW Relocation, cont.

Low Profile Rail Cart

In-Facility Canister Removal Pathway

TL220 Transporter
Milestone 1 – HLW Relocation, cont.

Outdoor Cask Transport

Haul Road Upgrades from MPPB to Storage Pad
Planned for September/October

Milestone 2 – Waste Operations

Legacy Low-Level (LLW) and Mixed LLW (MLLW) Processing and Disposition
• Removing first group of Remote-Handled (RH) transuranic (TRU) waste drums from the High Level Waste Interim Storage Facility (HLWISF)
  • 68 of the 80 drums placed in over-pack containers to date
• Waste Processing Area (WPA) Phase I processing campaign is 100% complete
  • 488 containers processed

Remote TRU Drum Removal From HLWISF
Packaged Waste in On-Site Storage
Shipment of Vitrification Melter, Concentrator Feed Make-Up Tank (CFMT) and Makeup Feed Hold Tank (MFHT)

- Awarded transportation subcontract to MHF Logistics
- Awarded disposal subcontract to Waste Control Specialists (TX)

Legacy Waste Disposition

- Legacy Waste shipped contract-to-date
  - LLW: 53% complete (70,834 ft³)
  - MLLW: 97% complete (88 drums, 4,992 ft³)
  - Industrial: 100% complete (984 ft³)
  - Hazardous: 100% complete (163 ft³)

New Generation Waste Disposition

- Consolidated 23 newly generated MLLW containers in the WPA for April 2014 shipment
- New Generation Waste shipped contract-to-date
  - Industrial: 143,181 ft³
  - LLW: 112,000 ft³
  - MLLW: 737 ft³
Continued deactivation and cleanout of Main Plant Process Building (MPPB) and Vitrification Facility

- Completed deactivation of Upper Warm Aisle
- Completed asbestos abatement of Plant Office Building – 2nd & 3rd floor
- Miscellaneous equipment, materials and debris removed from Vit Cell

Milestone 3 - Facility Disposition

Milestone 4 - Balance of Site Facilities

- Completed waste loadout of the Expanded Environmental Lab (E-Lab)
- Completed backfill of new Cooling Tower & Counting Lab areas
- Initiated demolition of miscellaneous structures

E-Lab Footers

Miscellaneous Structures
Questions?