



CHBWV Project Update

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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



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

Approach Apron

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

Milestone 1 - HLW Relocation, cont.



Core Boring in the EDR



Testing Load-Lowering Device



Scour Pad & Vacuum Decon



Microfiber Mop Decon

Initiated modifications planning for:

Equipment Decontamination Room (EDR)

- Floor structural enhancements

Chemical Process Cell (CPC)

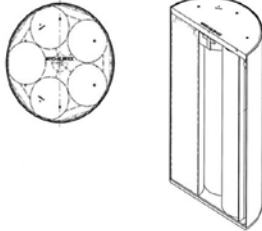
- Load-lowering device
- Decon technology testing for selection

Load-In/Load-Out Facility

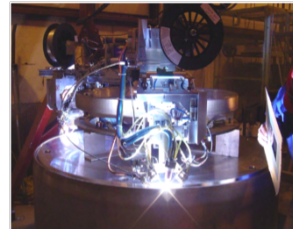
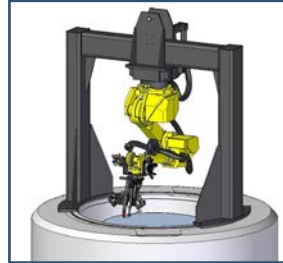
- Welding system utilities
- Entry/Cask prep areas

Milestone 1 – HLW Relocation, cont.

8 HLW Canister Overpacks being Fabricated
June Delivery



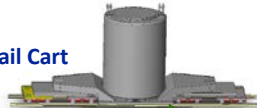
Loaded Canisters



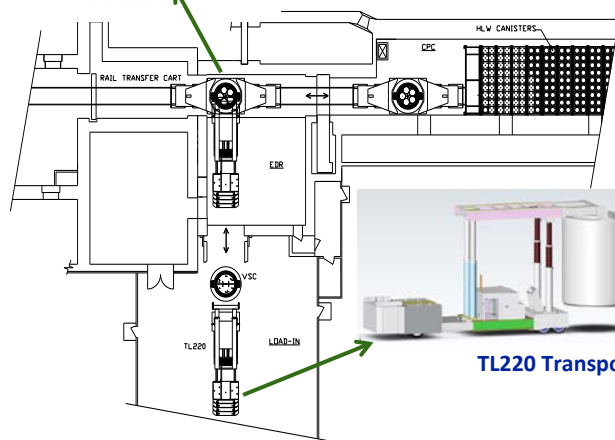
Overpack Welding System
April Delivery

Milestone 1 – HLW Relocation, cont.

Low Profile Rail Cart



In-Facility Canister Removal Pathway



TL220 Transporter

Milestone 1 – HLW Relocation, cont.

Outdoor Cask Transport



Tugger Pulls Vertical Cask Transporter to Storage Pad



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

Milestone 2 - Waste Operations, cont.

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)



Milestone 2 - Waste Operations, cont.

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



Off-Site Waste Shipment



Roll-Off Containing Industrial Waste from MPPB Office Area

Milestone 3 - Facility Disposition

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



Upper Warm Aisle after Deactivation



Vit Cell Cleanup Continues

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?