

CH2M HILL B&W West Valley, LLC.

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EFCOG Waste Management Working Group

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Waste Shipping and Packaging Accomplishments

- Completed 5 of 12 legacy LLW and 2 of 4 legacy MLLW interim shipping milestones
- Total volume of legacy waste shipped since contract start:
 - 44,793 ft³ LLW
 - 1,607 ft³ MLLW
 - 120 ft³ hazardous and universal waste
 - 976 ft³ industrial waste



Loading LLW Shipment in LSA 4



LLW Shipment to Nevada National Security Site

Waste Shipping and Packaging Accomplishments

- Repackaged and shipped all remaining legacy industrial and hazardous waste
- Initiated disposition of degraded LLW containers stored outdoors



Unloading LLW Containers in LSA 3



Industrial/ Hazardous Waste Repackaging in LSA 4



Degrading Top of SP Box on LS 2 Hard Stand

Waste Shipping Accomplishments

- Total volume of newly generated waste shipped since contract start:
 - 4,846 ft³ LLW
 - 110 ft³ MLLW
 - 204 ft³ hazardous and universal waste
 - 42,590 ft³ industrial waste



Waste Load Out of the Old Warehouse Pad



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

Remote-Handled Transuranic (RH-TRU) Waste Processing

- Vitrification Submerged Bed Scrubber (SBS) size reduction and packaging completed
 - 17.4 m³ RH TRUM component makes 0.6 m³ RH TRUM packaged waste
 - Remainder packaged and shipped to NNSS
- Completed size reduction of approximately 90% of Dissolver 3C-2

 Eleven Boxes of LLW surveyed and packaged, approximately 90% packaged as LLW



Scrubber Vessel Solids Removal and Packaging (SBS)



Removing B 25 Box of Low Level Waste in Remote-Handled Waste Facility (RHWF) Load Out

Waste Incidental to Reprocessing (WIR) Processing Status

- Received WIR on Vitrification Melter, awaiting WIR on Concentrator Feed Makeup Tank (CFMT) and Makeup Feed Hold Tank (MFHT)
- WVDP WIR citation process (WV-929) proves to be effective means for LLW disposal



Vitrification Melter Package



Vitrification, CFMT and MFHT Melter Package

Waste Management Challenges

- Characterization, size reduction and disposition of large components
 - CH TRU and RH-TRU oversize items
 - High dose containers
 - LLW and MLLW oversize debris
 - LLW Fuel Pool Resins
 - HLW tank pumps and components



Packages for HLW Tank Pumps and Components



Spent Fuel Resins Packaged in Poly High Integrity Containers (HICs) Stored in Concrete SUREPAKs



Deactivation and Decommissioning Accomplishments

- Pre-demolition activity in the Main Plant Processing Building (MPPB) continues e.g. Lower Extraction Aisle and Chemical Operating Aisle
- Asbestos abatement in in the MPPB continues e.g. Cold Laboratory of Analytical Aisle
- Characterization of high-hazardous areas in the MPPB
- Pre-demolition activity in the Vitrification Facility continues
- Removed components containing hazardous constituents from Vitrification Facility aisles



Drilling Tell-Tale in LXA/COA



Deactivation and Decommissioning Accomplishments

- Completed Deactivation of 01-14 Building
- Completed Step 1 of 3 Step demolition process of 01-14 Building
 - Step 1 waste disposed as industrial
- Initiated Step 2 demolition of 01-14 Building
 - Step 2 waste will be disposed as industrial
- Completed Balance of the Site (BOSF) demolition of:
 - Maintenance Storage Area
 - Product Storage Area
 - Old Warehouse and Counting Lab Slabs
 - Vehicle Repair Shop
 - Vitrification Test Facility Waste Area Slab
 - Vitrification Construction Fab Shop Slab
 - Waste Tank Farm Test Tower
 - All BOSF waste disposed as industrial

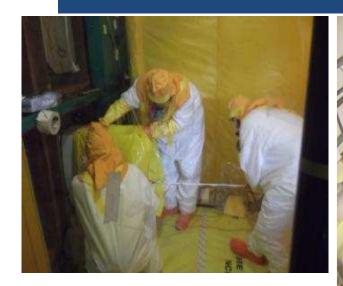


Step 1 Demolition of 0-14 Building



Vitrification Fabrication Shop Slab Demolition

Deactivation and Decommissioning



O-14 Building Off-Gas Cell Filter Removal



Asbestos Removal Main Plant Processing Building



O-14 Building Processing Piping Removal Waste Dispensing Cell



Main Plant Processing Off-Gas Aisle Cleanout