



West Valley Demonstration Project Phase I Decommissioning Project Status – One Year on the Job



One Project. One Team. One Goal.

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September 26, 2012



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Safety Performance

- Rolling Calendar – Project-to-Date
 - Total Recordable Case Rate is 1.03(TRC)
 - Days Away and Restricted Time is 0 (DART)
 - Last recordable – April 2012
- More than 4.8 million safe work hours



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One Year on the Job

- Shipped over 42,913 cubic feet of Legacy Waste Off-Site versus a plan of 34,050 cubic feet, 6 months ahead of schedule
- Removed 145 cubic feet of Remote Handled/Contact-Handled TRU Waste from Chemical Process Cell
- Industrial and hazardous waste disposition
 - Installed and started repackaging station (23 containers of hazardous waste, YTD)



Waste Shipments
6 Months
Ahead of Schedule



Container Sorting and Re-Packaging Facility



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One Year on the Job, cont.

- Demolished more than 16,000 square feet and prepared 5 additional buildings for demolition
- Shut down site laundry and contracted local business for offsite laundry services
- Selected NAC, International to perform High Level Waste Storage Relocation and Storage
- Closed RCRA Hazardous Waste Storage Lockers
- Received Environmental Management System ISO 14001 Certification within one year. Zero environmental violations/issues for the year
- All NESHAP requirements in place for open-air demolition (16 ambient air monitoring stations installed)



High Level Waste Canister
Storage Relocation Procurement



Fabrication Shop Relocation
Complete and Operational



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One Year on the Job, cont.



Sludge removal in Sewage Treatment Plant and Equalization Basin
100% Complete (1.3M Gallons)



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One Year on the Job, cont.

Remote Handled TRU Waste Processing – Vitrification Facility

- Completed Submerged Bed Scrubber (SBS) processing and packaging and turned over Vit Facility for retrofitting for HLW Canister Decontamination
- Received NESHAP approval from EPA for Remote-Handled Waste Facility supporting planned plasma arc size-reducing activities (Per EPA, this is the fastest ever approved permit), and resumed RH-TRU processing operations in the RHWF on Container 3C-2
- Received WIR determination for the HLW melter and prepared and submitted WIR for the Concentrated Feed Makeup Tank (CFMT) and Makeup Feed Hold Tank (MFHT)



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One Year on the Job, cont.

Main Plant Process Building

- Completed pre-demolition activities in the Upper Extraction Aisle, Process Chemical Room, and Hot Acid Cell
- Completed asbestos removal from piping systems in 3 of 6 laboratory areas of the Analytical Lab
- Completed asbestos cleanup in the Off-Gas Aisle and restored facility emergency egress to the southwest stairs



Asbestos Removal



Test Tower – Demo Ready



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Milestone 4 Accomplishments, cont.

Completed Tank 8D-4 Characterization

- All three phases of sampling taken and analyzed
 - 5 liquid
 - 2 sludge
 - 6 component (stainless-steel steam jet)
- Characterization Report submitted on August 29



Sludge Sample



Lower Steam Jet Coupon After Acid Wash



Sampling Preparations



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Community Support

- Presented \$70,000 to West Valley Fire District
- Presented \$5,000 to both Bertrand Chaffee Hospital and Mercy Flight
- Collected more than 93,000 pounds of food for local food banks
- Supported the Home Town Hero Project in West Valley
- Provided additional support to local schools, Boys & Girls Club, After-School Reading Program, Chambers of Commerce, and other non-profit organizations



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Upcoming Activities

- Continue safe, compliant performance
- Initiate demolition of 01-14 Building
- Demolish Waste Test Facility Test Tower, Hazardous Waste Lockers, Old Warehouse, Counting Laboratory, Vit Test Facility Waste Storage Pad, and Vehicle Repair Shop
- Continue processing the dissolver (3C-2) located in the Remote Handled Waste Facility
- Repackage and ship hazardous and industrial waste
- Finalize canal dredging/dam system repairs
- Complete packaging/removal of waste in the Chemical Processing Cell/Equipment Decontamination Room



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Questions?



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