



West Valley Demonstration Project

Project Update



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West Valley Demonstration Project
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CTF_9

Safety Performance

- WVDP has worked over 4.3 million hours without a lost-time work accident
- CHBWW worked approximately 60,000 hours in September without a lost-time work accident or illness
- Total Recordable – 0
- Days Away
Restricted Time – 0



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Regulatory Update

- CHBWV received license to perform asbestos removal activities on September 20, 2011
- USEPA performed a RCRA compliance inspection on September 20, 2011
 - No violations
 - Site remains in compliance
- Held Regulatory Roundtable on October 5, 2011 to introduce CHBWV and discuss upcoming scope and planned activities



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Regulatory Update continued

- A State Pollutant Discharge Elimination System (SPDES) non-compliance event occurred on October 18, 2011
 - Elevated levels of mercury (346 ng/L) at outfall 007 (ng/L = nanograms per liter, 10^{-9} grams per liter, or parts per trillion)
 - A mercury limit of 200 ng/L is a condition of the new SPDES permit, effective July 2011
- Notification was immediately made to NYSDEC
- CHBWV is addressing the issue
 - Investigating whether source was due to discharge of rinse water from bottles used for ammonia samples that contain trace quantities of mercury in the reagents
 - Revised procedure to collect and dispose of the rinse water as hazardous waste (Samples & reagents have always been disposed as hazardous waste.)



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Permeable Treatment Wall

- First and second quarter PTW performance monitoring results:
 - Groundwater flow patterns continue to reflect pre-PTW installation and baseline conditions
 - Effective cation exchange to remove Sr-90 from groundwater continues to occur
 - Second quarter downgradient concentrations lower than baseline/first quarter concentrations
- Pump and treat system continues to operate
- SPDES closure plan for isolation and removal of the pump and treat system in 2012 has been prepared



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HLW Canister Relocation

- Repaired CPC Crane and camera system
- Obtained contamination surveys of canisters
- CHBWV preparing Request for Proposal (RFP) for construction of the HLW canister storage system that will be issued by end of December 2011



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Operations

- Main plant isolation
 - Water isolation to the plant complete, except for decontamination showers
 - Complete employee relocation scheduled for mid-January
- Laundry facility closure- scheduled for end of November
- Winterization 95% complete



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Waste Management

- 12 shipments of LLW will be made for disposal at the Nevada National Security Site (NNSS) between now and the end of the year – 15,334 ft³
- A November 7, 2011 shipment of hazardous waste is planned for disposal at Heritage Environmental Services
- A mixed waste shipment is planned for December 2011
- CHBWV is evaluating on-site waste storage capabilities for the long term storage of TRU waste



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Facility Disposition (D&D)

- Main Plant
 - Contaminated pipe removal in the upper extraction aisle - ongoing
 - Final cleanup of lower extraction area asbestos - ongoing
- Performed reviews of the test & storage building (TSB) slab and foundation, test tower and maintenance triangle
 - Scheduled for demolition by the end of the year
- Performed initial characterization in the 01-14 cell and ammonia aisle
 - Complete deactivation by end of March and demolition by end of May 2012



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Funding

- Requested \$60M for WVDP
- Awaiting Congressional budget approval
- Working to a continuing resolution that provides funding through November 18, 2011 based on the FY 2011 base funding



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Community Support

- Completed United Way fund drive – \$28,418
- Starting annual Food Drive for the local food banks
 - West Valley, Springville, Delevan, Cattaraugus, Ellicottville, Franklinville, and Little Valley
 - Trucks to be located at the plant and AOC starting October 31 through November 10.



*Last year's
Food Drive
success --
collected
77,472
pounds of
food*



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