

Project Update

Bryan Bower January 27, 2010 West Valley Citizens Task Force Meeting



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Safety Performance



Newly-hired employees receive classroom and job-specific training prior to starting field activities As of January 22, 2010, WVDP employees have worked more than

2.2 million hours

without a lost-time accident or illness!

- WVES-WVDP has the best employee safety record among DOE prime cleanup contractors
- DOE Voluntary Protection Program review for recertification



Environmental Management
safety & performance & cleanup & closure

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Project Update: Main Plant Process Building (MPPB)

- Extraction Cell-3 (XC-3)
 - Cell cleanout was completed in December 2009
- · Head End Cells
 - Completed decontamination of the Process Mechanical Cell Crane and Power Manipulator and Crane Room



Separator being removed from XC-3



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Project Update: Main Plant Process Building (MPPB)

ARRA Work

- Isolating and removing hazardous and asbestos-containing materials from steam lines and light fixtures
 - Over 300 linear feet of ACM-contaminated piping sampled, removed and packaged
 - Initiated cold and dark utility isolation conduit removal
- MPPB Decontamination
 - Acid Recovery Cell (ARC)
 - · Completed decontamination
 - Cell walls painted to control loose contamination

ARC before (lt) and after (rt)

Recovery Act: Accelerate work activities in the MPPB to accomplish removal of residual process vessels and piping from the facility by June 30, 2011



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Project Update: MPPB (cont)

ARRA Work (continued)

- MPPB Decontamination
 - Liquid Waste Cell
 - First personnel entry into cell since 1971
 - · Video taken to identify industrial hazards
 - Planning work to decontaminate the tanks (9) and fix contamination in preparation for pipe removal
 - General Plant Control Room
 - Utility isolations and decommissioning continuing
 - Removal of instrumentation and control panels for size reduction and disposal



Liquid Waste Cell manned entry

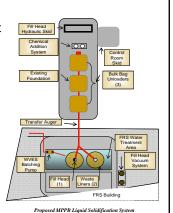




Project Update: Main Plant Liquids Solidification

ARRA Work

- · Sampled and analyzed liquids to be stabilized
- Placed subcontract for recipe development kicking off the laboratory recipe development
- Received quotes for dry ingredient supply system, with the technical review underway



Recovery Act: Solidify ~7,500 gallons of residual liquids from flushing the Liquid Waste Treatment System tank in the Main Plant (Tank 5D-15A1 in the Uranium Product Cell)



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Project Update: Tank & Vault Drying

ARRA Work

- A preliminary (70%) design review was conducted for the drying system
 - The system is scheduled for installation in 2010 to mitigate high moisture levels in the underground waste tanks and surrounding vaults
- Field activities were initiated to provide temporary ventilation to the tanks
- Completed mockup operations for the removal of highly contaminated ventilation piping from the Tank Farm

Recovery Act: Design, install & operate the Tank and Vault Drying system in all 4 underground storage tanks and the 3 associated vaults by December 31, 2010



Installation of adaptor for T&VDS vent lin-



Mock-up of cutting 8-inch ventilation line in glove bag

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Project Update: Waste Processing

ARRA Work

- Deployed a second waste processing crew to accelerate waste processing
 - New and experienced operators
- Completed facility upgrades to enable CH-TRU waste processing in two facilities
 - Waste Packaging Area (WPA)
 - Container Sorting and Packaging Facility (CSPF)

Recovery Act: Accelerate processing of Contact Handled-Transuranic (CH-TRU) waste, legacy (stored) Low-Level Waste (LLW), and Mixed LLW (MLLW) for offsite disposal by December 31, 2010

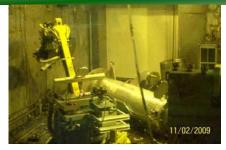


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Project Update: Waste Processing (cont)

- As of December 31, 2009
 - Processed 71,421 ft³ of legacy (stored) low-level waste (LLW) (not ARRA)
 - Processed 34,225 ft³ of Transuranic waste
 - Disposed of 48,504 ft³ of LLW

Processing waste in two remote- and two contact-handled locations







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Project Update: Sr-90 Plume Mitigation



Trencher in operation



Inspecting a zeolite after shipment

Environmental Management

- 11/4/09 conducted preliminary
 PTW design review with WVES,
 DOE, and DOE contractors
 - agreement reached to proceed with final design
- 11/10-11/09 conducted test of onepass trencher for installation of zeolite
 - checked shipping impact on zeolite with pre- and post-shipment samples
- 12/09 completed WVES and DOE review of zeolite laboratory testing report
 - one test (column test) will continue through May 2010

ARRA Activity: Install a permeable treatment wall to prevent further migration of the Strontium-90 groundwater plume.

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Project Update: Railroad Repair

• The rail line was fully restored to service in December of 2009





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Ground Level Offices (GLO)

- 19 GLOs now occupied
 - 91 employees, including Rad Techs
- 51 units on site, 6 units waiting to be installed, 7 units to be ordered
- Project expected to be completed at the end of February
- · Areas left empty:
 - Main Plant 2nd and 3rd floors
 - Parts of the Administration Building





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Phase 1 Decommissioning Plan

- The development of the Phase 1 Decommissioning Plan for the West Valley Demonstration Project occurred in several stages:
 - Revision 0 was submitted for NRC technical review on December 3, 2008
 - Revision 1, which incorporated additional information, was submitted to the NRC on March 16, 2009
 - NRC notified DOE on March 20, 2009, that it had completed its completeness review and the Phase Decommissioning Plan was suitable for NRC technical review
 - After its technical review NRC submitted a total of 44 RAI to the DOE on May 15, 2009
 - DOE responded to the NRC RAI in three separate submittals on August 13, 2009, September 16, 2009, and November 5, 2009
 - Revision 2, which incorporated the changes resulting from the responses to the NRC RAIs, was submitted to the NRC on December 18, 2009
 - It is expected that the NRC will transmit its Technical Evaluation Report (TER) to the DOE in mid-February 2010 and will be made available for public inspection



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Characterization Sampling and Analysis Plan

- The Characterization Sampling and Analysis Plan (CSAP) is a separate document from the Decommissioning Plan provides details about environmental data collection that will be taking place to support Phase 1 decommissioning activities described in the Phase 1 Decommissioning Plan for the West Valley Demonstration Project (Revision 2, December 2009)
- Submission to the NRC is anticipated to be in mid-February, 2010.
 There are four primary CSAP data collection purposes:
 - 1. Pre-design data collection,
 - 2. Remedial support,
 - 3. Post-remediation status documentation, and
 - 4. Phase 2 decision-making support
- Data collection to support these four main objectives is organized into two distinct data collection efforts
- DOE will post the CSAP to its website for public viewing



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Other News

- DOE solicitations
- 2011 budget



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