

West Valley Demonstration Project



Project Update

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DOE-WVDP
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Citizen Task Force



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Safety Performance

- As of August 20, 2010, WVDP employees have worked more than 3 million hours without a lost-time accident or illness
- Four First Aids:
 - Scratched arm, July 3
 - Cut on ankle, July 15
 - Rolled ankle, July 28
 - Cut on arm, August 10 (recordable)
- TRC is 0.2 and the DART is 0.2



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Safety Performance (cont)

- Contamination Events

- July 25

- Six workers received clothing contamination during an event associated with heavy rains and loss of plant ventilation
 - Loss of plant ventilation during a storm resulted in condensate leakage from off gas duct



- Aug 1

- An operator received skin contamination while performing decontamination in area of July 25 event
 - Area was secured to prevent spread of contamination
 - Employee immediately decontaminated, no internal contamination

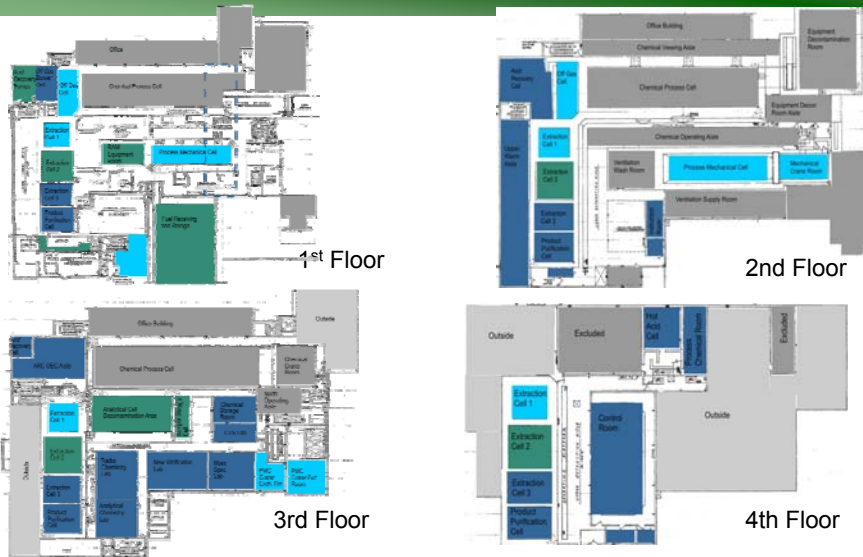


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Main Plant Process Building (MPPB)



Head End Cells Extraction Cells Acid Recovery Cell Labs, Hot Cells, Analytical Cells
 Fuel Receiving and Storage Vent Systems General Plant ACM Removal

MPPB (cont)

- Fully-robotic arm deployed in Extraction Cell-1 to dismantle vessels and piping in cell



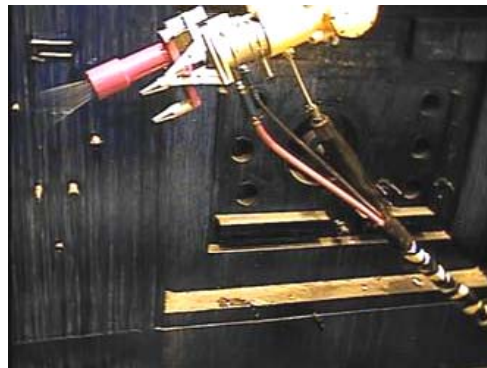
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MPPB (cont)

- Nitrocision® technology deployed in Process Mechanical Cell
– Preparations underway for deployment in General Purpose Cell



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MPPB (cont)

- Asbestos removal activities are ongoing in multiple areas of the Main Plant to prepare facility for demolition
 - Removed 2,098 of the 5,242 linear feet of asbestos from piping and coverings
 - Removed 164 square feet of 2,264 of asbestos from floor tile and vessels
 - Removal of asbestos conducted under strict OSHA guidelines



Asbestos removal completed in the General Operating Aisle



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Radioactive Waste Processing

- As of July 31, 2010
 - Processed 77,114 ft³ of legacy (stored) low-level waste
 - Processed 44,412 ft³ of Transuranic waste



An operator uses plasma cutting technology to size-reduce contaminated components in the recently upgraded Container Size Reduction Facility



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Waste Tank Farm

- Tank & Vault Drying System

- Pump 55-G-013 being prepared for removal from Tank 8D-4 this week
 - 30' long pump, 6' x 6' pump pit
 - Fully remote operations
 - Pump will be decontaminated as it is removed, then cut and placed into steel waste box located inside the containment area
- Installation of new, above-grade ventilation pipe 90% complete; removal of old, underground ventilation pipe 74% complete
- Rotary Dryer test 75% complete



Removal of 16" underground ventilation pipe



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In the photo on the left, workers conduct a mockup to simulate pulling pump from Tank 8D-4

In the photo above, the mockup shows the positioning of the Fein (reciprocal) saw that will be used to cut up the pump

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North Plateau Groundwater Plume

Soil Conveyor



"Stone Slinger" Truck



- Key actions since May 2010
 - Conducted test of soil conveyor system for the one-pass trencher
 - Tested use of "stone slinger" truck for Zeolite loading to trencher
 - Continued receipt of zeolite; 1080 bags on-site
 - Decommissioned sampling wells in areas impacted by PTW installation
 - Completed data collection from laboratory testing of zeolite performance
 - Placed contract for site preparations and trenching support
 - Began site preparation work



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United Way Day of Caring

- Aug 18
 - Springville Preschool Learning Center League for the Handicapped
 - Delevan Headstart
- Aug 19
 - Springville Bertrand Chaffee Hospital
 - Olean Mental Health Facility



Springville Preschool Learning Center League for the Handicapped



Bertrand-Chaffee Hospital



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