



## West Valley Demonstration Project Phase I Decommissioning Project Status



*One Project. One Team. One Goal.*

Presented by: Bryan Bower, Department of Energy  
July 27, 2012



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## Safety Performance

- Rolling Calendar – Project-to-Date
  - Total Recordable Case Rate is 1.01(TRC)
  - Days Away and Restricted Time is 0 (DART)
- No recordable injuries in June
- One first aid case in June
  - Subcontractor felt a pain in right elbow after descending a ladder
  - Referred to Health Works
  - No additional treatment provided
  - Additional follow-up pending



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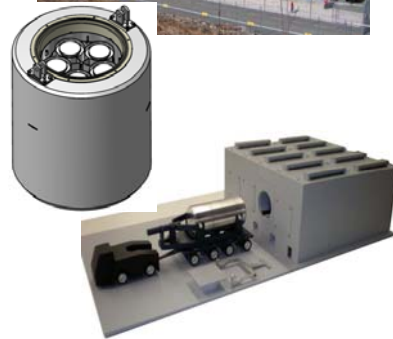
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## Milestone 1 Accomplishments

Approval process for HLW system procurement continues:

- Procurement approval with DOE-HQ
- Approval expected by July 30, 2012



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## Milestone 2 Accomplishments

- In June, shipped 1,339 ft<sup>3</sup> of legacy low-level waste to Nevada National Security Site



Loading legacy LLW shipment in LSA 3



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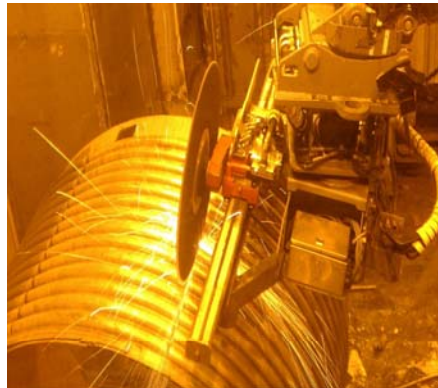
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## Milestone 2 Accomplishments, cont.

- Notified EPA of the Remote Handled Waste Facility plasma-arc processing
- Continued size reduction, survey and packaging of the dissolver (Remote Handled Waste Facility)
- Continue to package and load out waste boxes of low-level waste (Submerged Bed Scrubber) from the Vit Facility



Size reduction of the annulus of the Submerged Bed Scrubber in the vitrification cell



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## Milestone 3 Accomplishments

- MPPB
  - Removed asbestos from Off-Gas Aisle
  - Drained glycol from Chilled Water Units/System
- 01-14 Building
  - Continue to isolate and remove electrical wiring. (2 of 3 process cells "demo ready")
- Balance of Site Facilities (BOSF)
  - Completed demolition of Maintenance Storage Area
  - Complete demolition of the Warehouse pad
  - Initiated demolition of Vit Test Facility Waste Area pad



Demolition of the Warehouse pad



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## Milestone 4 Accomplishments, cont.

- Laundry Facility - In process of going cold, dark, & dry
- Environmental Lab - In process of going cold, dark, & dry
- Planning for utility room shutdown initiated
  - Current plans are to place steam system in layup this fall



Laundry facility



Environmental Lab



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## Milestone 4 Accomplishments

Tank 8D-4 Liquid/Solids characterization sampling completed

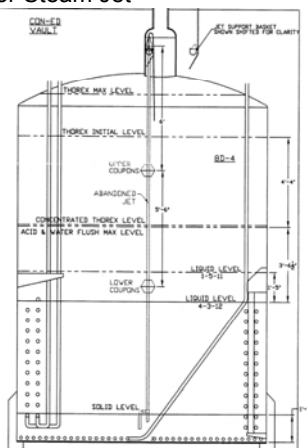
- Hazard Review Board/Work Planning completed for Steam Jet component sampling
- Analysis and report, in progress
  - Two liquid samples at GEL were completed
  - Two sludge samples and liquid composite sample analysis at Southwest Research Institute continue
  - Sludge TCLP is RCRA



Sludge Sample at SwRI



Steam Jet Cutting Mock-up & HRB



Tank 8D-4 Elevation View



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## Milestone 4 Accomplishments, cont.

### Canal dredging planning continues

- Subcontract Award made for work
- Received USACE Nationwide Permit No. 3



Close-up view of the canal



Aerial view of the canal and the 2 lakes



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## Facilities Disposition Look Ahead

### MPPB

- Complete disposition of lower extraction aisle hazardous systems – August 31, 2012
- Complete asbestos removal in Laboratory Areas - September 15, 2012

### 01-14 Building

- Continue to prepare building demolition (decontaminate and deactivate)

### BOSF

- Demolish WTF Test Tower, VTF Waste Storage Area, Maintenance Storage Area, Product Storage Area, Old Warehouse, and Hazardous Waste Lockers – August 30, 2012

### Vitrification Facility

- Hazardous component removal from Aisles – September 1, 2012



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## Waste Operations Look Ahead

- Complete processing and packaging of remote-handled waste in Vit Facility and Remote Handled Waste Facility
- Complete packaging procedures, repackaging and shipment of industrial and hazardous waste
- Prepare for handling waste from demolition of 01-14



Decontamination of the Submerged Bed Scrubber fuel basket in the vitrification cell



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## Site Operations Look Ahead

- Complete facility preparations for cold, dark, and dry turnovers to D&D - Complete end points and turnover:
  - Laundry
  - Environmental Lab
  - Begin shutdown of Utility Room
  - Complete wireless installations
- Canal Dredging/Dam System Repairs
- Complete Packaging/Removal of Waste in the Chemical Process Cell/Equipment Decontamination Room
- Award HLW procurement and complete 50% design



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