



CHBWV Project Update

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President

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Safety Performance

Through May, CHBWV and subcontractors have worked 303,720 work hours (207 days) without a lost-time work accident or illness.

Metric	Incident Rate		CHBWV Goal FY2013
	April 2013	May 2013	
Total Recordable Case Rate (TRC)	0.68	0.68	≤ 1.1 TRC
Days Away, Restricted, or Transferred Case Rate (DART)	0.3	0.3	≤ 0.6 DART
First Aid	0	1*	

*Occurred in April, recorded in May

Recent Accomplishments

- 2013 Triennial Emergency Response Exercise
- Firearms Range Medical Response Drill
- Successful completion of 01-14 Building demolition (RadCon & Safety)

THIS IS AN EXERCISE



Main Plant Process Building (MPPB)

Deactivation Activities:

- Asbestos abatement
- Removed 3,400 linear feet of piping in Liquid Waste Cell, to date
- Removed office ceiling tile and carpet
- Characterized Hot Cells

Vitrification Facility Deactivation Activities:

- Sized and packaged filters, debris and miscellaneous equipment



Interference Piping Removal in COA



Vit Cell – Filter Media Packaging

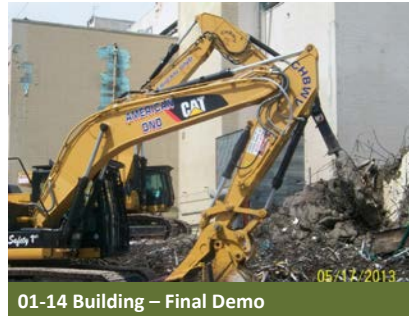
Facility Disposition Activities, cont.

01-14 Building

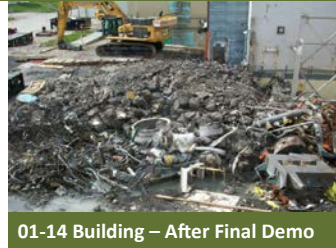
- Phase 3 Demolition (Demo) Complete
- Waste removal of demolition debris (75 intermodals)

Balance of Site Facilities (BOSF)

- Developing Work Instruction Package for demolition of New Cooling Tower and Con Ed. Building



01-14 Building – Final Demo



01-14 Building – After Final Demo

Waste Operations

- Completed consolidation of seventy containers of Mixed Low-Level Waste (MLLW) in the Waste Processing Area (WPA) in advance of planned shipments.



MLLW Consolidation in the WPA

Waste Disposition

New Generation Waste Disposition Hazardous/Universal Waste Shipped

- 0 ft³ in May
- 204 ft³ Contract to Date

Industrial Waste Shipped

- 1,620 ft³ in May
- 66,755 ft³ Contract to Date

Low-Level Waste (LLW) Shipped

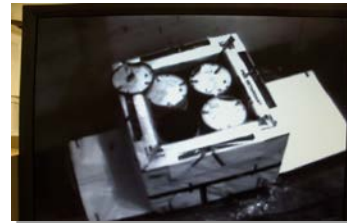
- 15,891 ft³ in May (includes 15,582ft³ - Building 01-14)
- 39,362 ft³ LLW Contract to Date (includes 34,132 ft³ Building 01-14 to Date)

Mixed Low-Level Waste (MLLW) Shipped

- 441 ft³ in May
- 551 ft³ LLW Contract to Date



Building 01-14 LLW Shipment to Alaron



Loading RH-TRU Drums in the CPC

Remote-Handled Waste Facility

- Completed size reduction of the 3C-2 dissolver vessel using the plasma arc torch cutting method.
- Completed packaging of all size-reduced components of the 3C-2 dissolver vessel. Sixteen waste containers of LLW and eight drums of Remote Handled Transuranic (RH-TRU) waste were generated.
- The total weight of material size-reduced and re-packaged will be between 26,000 and 28,000 pounds.



Remains of Dissolver Vessel
3C-2

Chemical Process Cell (CPC) Activities

- Completed the wash down of the expended Brokk in the CPC and packaged the Brokk in a special waste container for removal and disposal.



Washing the Expended Brokk



Packaged Expended Brokk

HLW Canister Relocation Project

- Scope: Remove and relocate HLW waste from the Main Plant Process Building (MPPB) to prepare the facility for demolition
- Planned activities
 - Retrieve waste from storage
 - Package in double containment vessel
 - Decontaminate
 - Relocate to outdoor storage pad



Canisters to be relocated

HLW Canister Relocation Project Status

- Contract in place for cask and component construction and packaged canister relocation
 - Fabrication of first 8 liners underway
 - On-site concrete cask construction to begin FY14



Concrete casks will surround steel inner-liner. Concrete cask fabrication will take place at the WVDP.

HLW Canister Relocation Project Status

- HLW packaging/decontamination
 - Expect to award contract in July
- Pad Construction
 - RFP being finalized
 - Target construction fall 2013
- Preparing for facility upgrades
 - Leveling and reinforcing floor in old Equipment Decontamination Room to support canister movement
- Procurements underway
 - In-facility cask transporter
 - A-frame transporter for outside relocation



The completed WV storage pad will look similar to the one pictured above.



Example of on-site cask transport

HLW Canister Relocation Project

Recent Activities

- Conducted soil borings in MPPB Equipment Decontamination Room to support upgrades to existing floor
- Completed decontamination testing on HLW Canisters to support decontamination equipment procurement
- Finished removal of non-HLW from canister storage area to clear path for canister movement



Remote smear sampling (top photo) and vacuum sampling of HLW canisters

New Hires

- Returning workers attended training classes (Radworker 2, Nuclear Criticality Safety, OSHA HAZWOPER Training, health and safety training courses, and specific training) related to work in Waste Operations
- Returning employees bring a combined 92 years of experience to the project



Phase 1 Look Ahead

Project Description	Target
Milestone 1: Complete high level waste (HLW) canister relocation	
Procure and construct cask storage pad	October
Milestone 2: Process, ship and dispose of all legacy waste off-site	
Complete 75 shipments of legacy waste	September
Initiate processing of 243 high moisture cement drums in preparation for shipment	October
Milestone 3: Demolition and removal of the Main Plant Process Building (MPPB) and the Vitrification Facility (VF)	
Complete Vitrification Cell equipment clean out	September
Complete removal of all asbestos containing materials from the laboratories, laundry and MPPB office areas	April 30 – September 30
Milestone 4: Complete all work described in the Performance Work Statement	
Complete demolition of Old Warehouse Pad	May
Complete demolition of Counting Lab Slab	June
Complete demolition of New Cooling Tower and Old Wastewater Treatment Facility	July