



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

CHBWV Project Update

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**Quarterly Public Meeting
February 24, 2016**

Safety Performance

- As of January 28, 2016, CHBWW and subcontractors worked approximately 1,809,622 work hours (1,179 days) without a lost-time work accident or illness.



**Grouting Activities in the Main Plant
Process Building (MPPB)**



Water Line Directional Boring



10-Plex Office Installation

Milestone 1: High-Level Waste Accomplishments

- Five High-Level Waste (HLW) canisters loaded into a Vertical Storage Cask (VSC) and relocated to the HLW Interim Storage Pad – November 10, 2015
- Three additional VSCs were relocated to the HLW Interim Storage Pad in 2015 (November 30 - December 22)

Each VSC contains 5 canisters for a total of 20 HLW canisters



Milestone 1: 2016 Look Ahead

- Planning for remaining VSCS
 - 16 VSCs have already been fabricated (4 have been loaded)
 - NAC International will resume on-site construction of VSCs in April 2016
 - Complete relocation of remaining VSCs in 2016
- High-Level Waste (HLW) campaign resumes April 25, 2016
 - Resume at rate of one VSC per week to Interim Storage Pad
 - Increase to rate of two VSCs to Interim Storage Pad per week starting June 2016
- Employ a two shift/day; four day/ week operations schedule
 - First 6 VSCs loaded, welded and relocated on a single shift for training and proficiency
 - Additional craft and support labor hiring ongoing

Milestone 2: Waste Operations Accomplishments



Asbestos Debris Shipped to Ohio



Degraded Container Over-packed and Shipped to Nevada
National Security Site (NNSS)

Milestone 2: 2016 Look Ahead

First of Its Kind – The Shipment of Vitrification Components

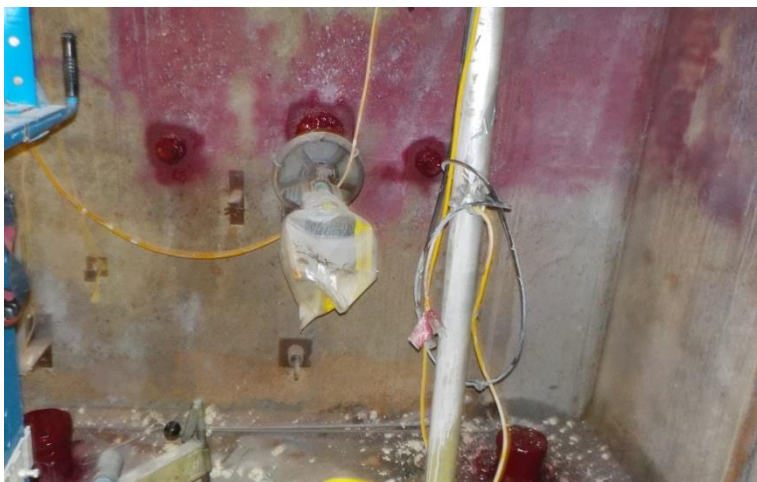


CHBWV received Special Package Authorization from the US Nuclear Regulatory Commission (NRC) to ship the melter, primarily by rail, for disposal to Waste Control Specialist (WCS) in Andrews, Texas in October 2016.

Milestone 3: Facility Disposition Accomplishments

MPPB Deactivation

- Off-Gas Cell (OGC) – Completed stabilization of embedded pipe penetration (foam) and grouted sump
- Off-Gas Blower Room (OGBR) – Completed dewatering and grouting of below-grade pump niches and stabilized embedded pipe penetrations
- Acid Recovery Cell (ARC) and Acid Recovery Pump Room (ARPR) – Completed stabilization of embedded pipe penetration
- Uranium Process Cell (UPC) – Reconnected utilities and returned pumps to service for processing wastewater in tanks; collected waste water sample for analysis



Off-Gas Cell Embedded Wall
Penetration Stabilization



OGBR Floor and Niche Grouting

Milestone 3: 2016 Look Ahead



Downdraft Table Loadout in Vit Cell

Continue equipment removal in the Vitrification Facility in preparation for demolition activities to begin FY2017



**High-Level Waste Trench
Pipe Removal**

Milestone 4: Site Operations

- Installed new water line to locker rooms
- Shipped S-09 Stormwater Outfall soils for off-site disposal (11 of 11 intermodals)
- Completed biennial NRC-Licensed Disposal Area (NDA) inspection
- Removed Enkamat from Buttermilk Creek
- Installed erosion markers in spillway



Enkamat Removal



Water Line Installation



NDA Inspection and Repair

Milestone 4: Site Operations

Personnel Relocation

- Relocated approximately 35 DOE, NYSERDA and CHBWV personnel from Administrative Office Building
- Human Resource Turn-Around, Nurse's station, 4-Plex and comfort station delivered and set-up
- Final personnel relocation planned for March 2016



4-Plex Office Space Set-up Complete



10-Plex Office Complex Set-up Underway

FY2016 Funding Allocation - \$61M



Surveillance & Maintenance and Site Services
\$29 million/48%

HLW Canister Relocation
\$10 million/
16%

Waste Disposition
\$11 million/
18%

D&D
\$11million/
18%

Questions?