



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
ENVIRONMENTAL
MANAGEMENT

WVDP Project Update

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**Citizen Task Force Meeting
March 28, 2018**



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Safety



Metric	March 2018 12-Month Rolling Average
TRC (12-Month Rolling Average)	1.65
DART (12-Month Rolling Average)	.66
Last Lost-Time Case Recordable	April 24, 2017
Last Recordable Injury (arm strain)	November 28, 2017

Contract Scope

Milestone 1

- ✓ Complete Relocation of 275 HLW Canisters and 3 Non-conforming HLW Canisters to Long-term Interim Storage (**Completed**)

Milestone 2

- Process, Ship, Dispose of all Legacy Waste, not including Transuranic Waste (TRU) (**Ongoing**)

Milestone 3

- Demolish and Remove the Main Plant Process Building and the Vitrification Facility (**Ongoing**)

Milestone 4

- Complete All Work in Performance Work Statement, including Balance of Site Facilities, Surveillance and Maintenance, and Site Operations (**Ongoing**)

Legacy Waste Processing

Milestone 2

- Process, ship and dispose Legacy Waste
 - Overall Legacy Waste status
 - 154,036 ft³ of 165,515 ft³ shipped
 - 93% complete
 - Approximately 23 shipments remain
 - Three large vessels in Chemical Process Cell-Waste Storage Area (CPC-WSA)
 - Dissolver transferred to Remote-Handled Waste Facility for processing
 - Reboiler outer vessel has been processed and is ready for shipment
 - Separator was shipped offsite for treatment and disposal
- Planned completion September 2018

A covered tractor trailer is one of the types of trucks being used to ship legacy waste offsite for disposal



The reboiler, one of the large components, was processed and ready for shipment

Deactivation Progress



General area of MPPB demolition

General area of VF demolition

- Milestone 3 - Vitrification Facility (VF) Demolition – 55% Completed
- Milestone 3 - Main Plant Process Building (MPPB) Deactivation – 84% Completed
- Milestone 4 - Balance of Site Facilities Demolition – 19 of 47 Facilities Completed

Milestone 3 – Vitrification Facility

Milestone 3 – Vitrification Facility

- Demolition began on September 11, 2017
 - Phase 1 **Completed** (November 2, 2017)
 - Outer access aisles
 - Phase 2 is ongoing (55% Completed)
 - Process Cell
 - Shield Doors
 - South Wall
 - Phase 3
 - Crane Maintenance Room
 - Tunnel
 - Secondary Filter Room
- Planned completion Spring/Summer



Vitrification Facility
March 13, 2018

Vitrification Facility Phase 2 Demolition



(Left) Inside view of Vitrification Facility cell and (Right) associated coolers (4)
February 6, 2018

Vitrification Facility In-Cell Cooler Removal



Cooler being lowered to Vitrification Facility floor before being placed into an approved waste container
March 3, 2018

Vitrification Facility In-Cell Cooler Removal (Cont.)

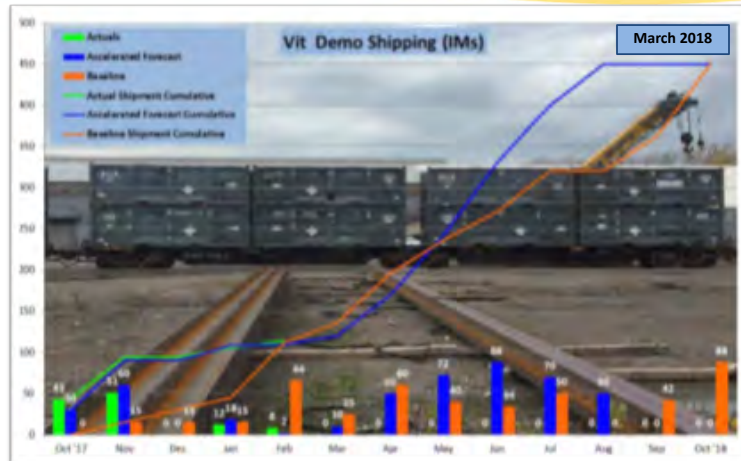


Placing cooler into waste box
March 5, 2018



Moving waste box to storage hardstand
March 5, 2018

Vitrification Facility Waste Disposal



Expected Debris Quantity: ~450 Intermodals (IMs)

Status: 129 Intermodals Loaded; 114 Intermodals Shipped

MPPB Deactivation

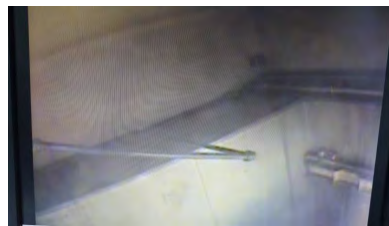
Milestone 3 – Main Plant Process Building

- Six crews are performing deactivation and decontamination in MPPB
 - Asbestos-containing material (ACM) removal
 - Deactivation in radiological areas
- Major areas left for deactivation, which are also the most difficult
 - Vent Exhaust Cell
 - Process Mechanical Cell
 - Vent Wash Room
 - Chemical Process Cell
- Overall Status: 84% Deactivated
- Planned completion mid-to-late Summer

Chemical Process Cell Crane Room



South Ledge Before Decontamination



South Ledge After Decontamination

Balance of Site and Infrastructure

Milestone 4

- Performing deactivation to support removal of 47 Balance of Site Facilities
 - 19 facilities demolished to grade
 - 87% of ancillary areas deactivated
- Reconfiguring Infrastructure for facility demolition and future site needs
 - Received approval from County Health Department to connect new potable water distribution system
 - New electrical substation
 - Power conductor lines pulled onto overhead power poles
 - Expect operational in April
 - Rail Spur upgrades scheduled for Spring/Summer



Demolition of an ancillary building across from Vitrification Facility

