



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

WVDP Project Update

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Deputy General Manager

**Quarterly Public Meeting
November 15, 2017**



WVDP recertified as a DOE Voluntary Protection Program STAR Site – Sept. 11, 2017

Metric	October 2017 12-Month Rolling Average
TRC (12-Month Rolling Average)	1.67
DART (12-Month Rolling Average)	1.0
Last Lost-Time Case Recordable	April 2017
Last Recordable Injury	August 2017



Milestone 1

- Complete relocation of 275 HLW canisters and 3 non-conforming HLW canisters to long term interim storage (*complete*)

Milestone 2

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

Milestone 3

- Demolition and Removal of Main Process Plant Building and the Vitrification Facility

Milestone 4

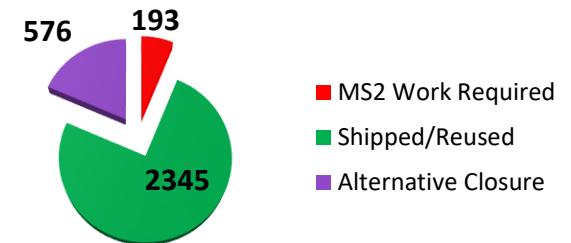
- Complete All Work in Performance Work Statement, including Balance of Site Facilities, Surveillance and Maintenance, and Site Operations

Legacy Waste Processing

Milestone 2

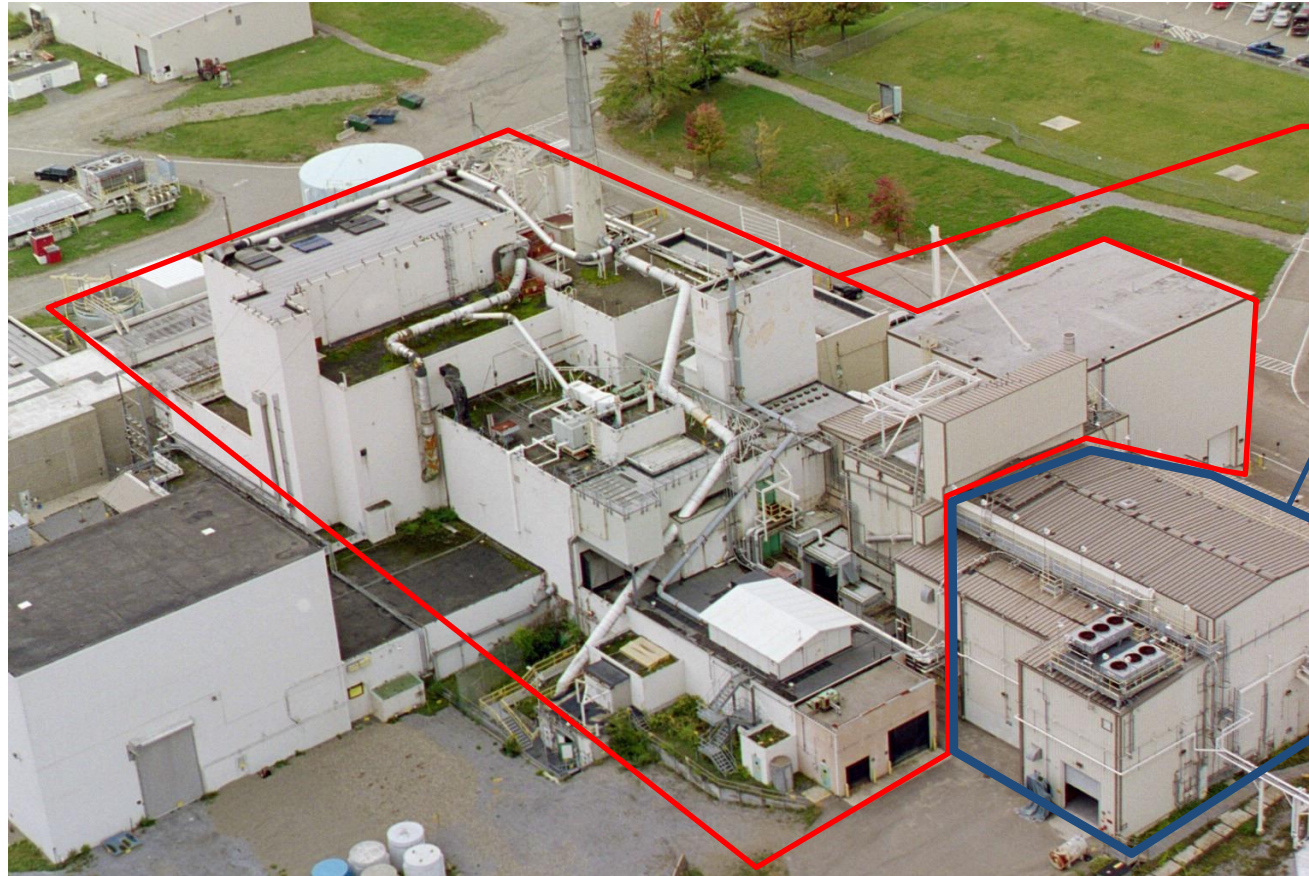
- Process, ship and dispose Legacy Waste
 - Starting inventory of 3,114 containers
 - Low-level waste
 - Mixed low-level waste
 - Processing “campaigns”
 - Similar waste
 - Similar containers
 - Three processing areas currently in use
 - Accelerated offsite waste shipments in 2017
 - 22 shipments completed since May 2017
 - 4 additional shipments planned for this year
 - Overall Legacy Waste status
 - 135,673 ft³ of 165,515 ft³ shipped

MS2 LLW Containers



Legacy Waste Container Being Removed from Main Plant

Deactivation Progress



General area
of MPPB
demolition

General area
of VF
demolition

- Milestone 3 - Vitrification Facility (VF) Deactivation – 32% Demolished
- Milestone 3 - Main Plant Process Building (MPPB) Deactivation – 79% Complete
- Milestone 4 - Balance of Site Facilities Demolition – 19 of 47 Facilities Complete

Milestone 3 – Vitrification Facility

Vitrification Facility Demolition began September 11, 2017

Phase 1

- Outer access aisles

Phase 2

- Process Cell
- Shield Doors
- South Wall

Phase 3

- Crane Maint Room
- Tunnel
- Secondary Filter Room



Planned completion March 2018

Vitrification Facility Demolition



Vitrification Facility Demolition Start – September 11, 2017

Vitrification Facility Demolition



Vitrification Facility West Side – October 24, 2017

Vitrification Facility



Vitrification Facility West Side – November 8, 2017

Vitrification Facility Waste Disposal



Vitrification Facility Waste Box Closure
at the Demolition Site



Intermodals Loaded on Rail Cars for Shipment
at Blasdell Transloading Facility

MPPB Deactivation

Milestone 3 – Main Plant Process Building

- Seven crews are performing deactivation and decontamination in MPPB
 - Asbestos-containing material (ACM) removal
 - Deactivation in radiological areas
- Several areas now demolition-ready
 - Extraction Cells 1, 2, and 3
 - Hot Cells 1-5
 - Liquid Waste Cell
- Overall Status: 79% Deactivated



Extraction Cell-1 in 2014



Extraction Cell-1 in 2017

Balance of Site and Infrastructure

Milestone 4

- Performing deactivation to support removal of 47 Balance of Site Facilities
 - 19 facilities demolished and areas restored to date
- Reconfiguring Infrastructure for facility demolition and future site needs
 - New infrastructure facilities are becoming operational
 - Water treatment building
 - Data and communications center
 - Preparing for Rail Spur upgrades in the Spring
 - Vegetation cleared



New Data and Communications Center



Vegetation Cleared on Rail Spur