



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
ENVIRONMENTAL
MANAGEMENT

WVDP Project Update

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Deputy General Manager

Citizen Task Force Meeting
October 23, 2019

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U.S. DEPARTMENT OF
ENERGY

OFFICE OF
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MANAGEMENT

Under Secretary Paul Dabbar Visits WVDP



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WVDP receives VPP Star of Excellence Award from Dae Chung (right), DOE-EM Deputy Assistant Secretary - Safety, Security, and Quality Assurance

Metric	September 2019 12-Month Rolling Average
TRC (12-Month Rolling Average)	1.41
DART (12-Month Rolling Average)	0.71
Last Lost-Time Case Recordable	June 2019
Last Recordable Injuries	March 2019

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Milestone 1

- Complete relocation of 278 HLW canisters to Long-term Interim Storage (Completed February 2017)

Milestone 2

- Process, ship, dispose of all Legacy Waste, not including Transuranic Waste (Completed September 2018)

Milestone 3

- Demolish and remove the Vitrification Facility and Main Plant Process Building (Deactivation ongoing, DOE is reviewing input from CHBWV regarding MPPB demolition – previously deferred)

Milestone 4

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

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Deactivation and Demolition Progress

- Milestone 3 - Main Plant Process Building Deactivation – 98% Completed
- Milestone 4 - Balance of Site Facilities Demolition – 44 of 47 Facilities Completed and Areas Restored (94%)



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New Work Scope

- MPPB New Scope (added when Main Plant demolition was deferred):
 - General Purpose Cell (GPC) Crane Room (GCR)/GPC Operating Aisle – Completed size reduction of small loose equipment and tools, and continued loading into a waste liner (fifth liner being loaded). Prepared for removal and waste loadout of large equipment from the cell.
 - Product Purification Cell-South (PPC-S) – Continued the installation of a monorail beam in the ceiling, and continued setting up equipment in Product Purification Packaging and Handling for Nitrocision®.
 - Fuel Receiving and Storage (FRS) Facility – Continued Asbestos-Containing Material removal which includes glove bagging, wrapping, and cutting of sections of piping in the high bay area east of the pool.



Nitrocision® mock-up used for testing and training

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Demolition of 7 Ancillary Support Structures – Milestone 3

- Four out of seven buildings have been completed:
 - Contact-Size Reduction Facility
 - Manipulator Repair Shop
 - Laundry Facility
 - Utility Room Extension
- Next demolitions:

	<u>Schedule</u>
• Main Plant Office	Started 10/15
• Utility Room	Jan. 2020
• Load-In	July 2020



An excavator with a shear attachment is used to remove a boiler from the Utility Room Extension building during demolition

NOTE: Schedule subject to change

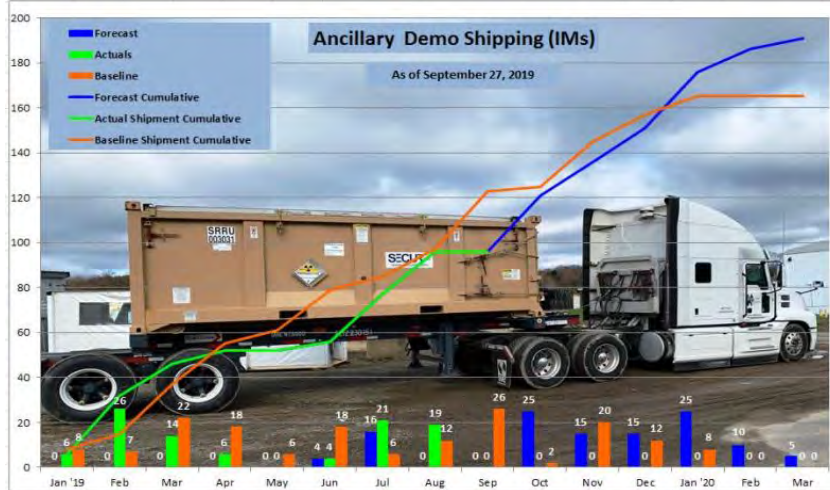
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Demolition of Main Plant Office Building – Milestone 3



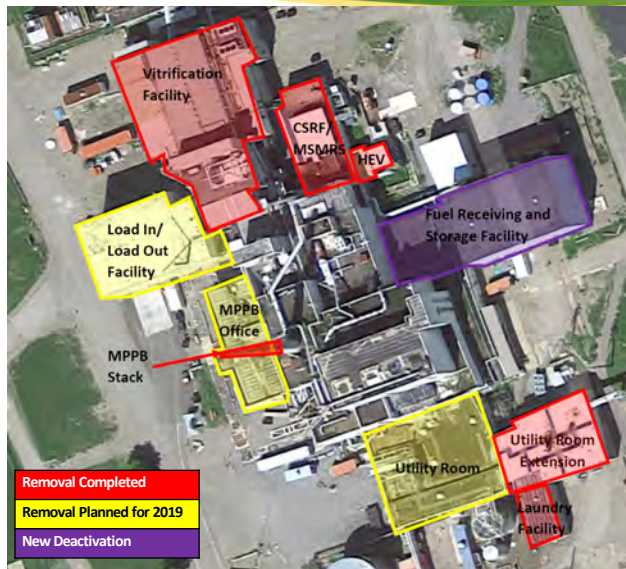
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Ancillary Support Buildings Demolition Debris Shipping



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Demolitions and Deactivations – Milestone 3



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Balance of Site Facilities (BOSF) and Infrastructure – Milestone 4

- Performing deactivation to support removal of 47 Balance of Site Facilities
 - Completed armoring the north slope of the NRC-Licensed Disposal Area (NDA)
 - Completed Erdman Brook erosion repair
 - Completed Waste Tank Farm Equipment Shelter demolition
 - 44 facilities demolished and areas restored
- Reconfiguring infrastructure for facility demolition and future site needs
 - New electrical switchgear station (Phase 2)
 - Connected to National Grid's new 34.5 kV feed line on August 23



An excavator is used to demolish the Waste Tank Farm Equipment Shelter

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NDA Armoring Work Scope



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Vitrification Storage Vault Demolition – Milestone 4

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Chemical Process Cell-Waste Storage Area Demolition – Milestone 4

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Upcoming Demolitions

- Utility Room



- Load-In



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Water Withdrawal Permit Application

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Water Withdrawal Permit Application

- In 2012, NYSDEC required facilities to report on their water withdrawal activities if they were capable of withdrawing surface or groundwater at a rate of 100,000 gallons per day or greater. Based on NYSDEC's final permitting schedule, effective February 2012, the WVDP was required to submit a permit application in 2017.
- The WVDP submitted a Water Withdrawal permit application for the two pre-existing on-site water withdrawal sources:
 - two man-made reservoirs (originally installed in 1963); and
 - two groundwater wells installed under the cognizance of the New York State Department of Health (installed in 2013).
- WVDP's Water Withdrawal Application was determined to be complete by NYSDEC and approved for Public Notice on August 15, 2019. The application was made available for Public Comment on the DEC's webpage.