



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

WVDP Project Update

Main Plant Process Building Deactivation and Demolition Preparations

John Rendall
President and General Manager

Quarterly Public Meeting
November 17, 2021
(Virtual)

Safety

Metric	October 2021 12-Month Rolling Average
Total Recordable Cases (TRC)	1.10
Days Away Restricted or Transferred (DART)	0.37
Last Lost Time Case Recordable	May 1, 2021
Last Recordable Injury	August 27, 2021

COVID-19 Controls

- September 9, 2021 – The President announced his Executive Order on COVID safety measures for Federal Contractors, which was published in the Federal Register on September 14, 2021
- September 24, 2021 – The Safer Federal Workforce Task Force issued “COVID-19 Workplace Safety Guidance for Federal Contractors and Subcontractors”
 - Required “covered contractor employees” to be fully vaccinated no later than December 8, 2021
- On October 5, 2021 – CHBWW implemented a requirement for all its workforce to be fully vaccinated against COVID-19
 - October 6 – Conducted all-hands meetings with employees to answer questions/concerns, while following COVID safety protocols



All-employee briefing on vaccinations

Main Plant Deactivation

- **General Purpose Cell (GPC)/GPC Crane Room (GCR)/GCR Extension (GCRE)/General Operating Aisle (GOA)** – All deactivation and grouting activities have been completed
- **Chemical Process Cell (CPC)** – All decontamination activities are complete (completed fixative application in the CPC shield door lower and upper penthouse; completed draining fluids from the shield door motors and hoists; and completed fixative application in CPC Equipment Decontamination Room tunnel)
- **Product Purification Cell (PPC)** – Continued aggressive decontamination on the South and North walls of the cell (700 square feet completed to date) and continued weekly radiological surveys and fixative application



PPC-S wall 'scabbled' after using Nitrocision (October 2021)



Scabble - Decontamination by removing 1/8" of the surface (debris is safely collected in a vacuum system for disposal)

Main Plant Deactivation

- **Ventilation Wash Room (VWR)** – Continued diamond wire cutting and removal of vent duct (8 of 28 cuts complete; 4 of 19 sections of duct removed)
- **Acid Recovery Cell (ARC)/Off-Gas Aisle (OGA)** – Completed removal of the ARC and OGA west wall for future access to saw cut floor; completed size-reduction and waste load out of the west wall



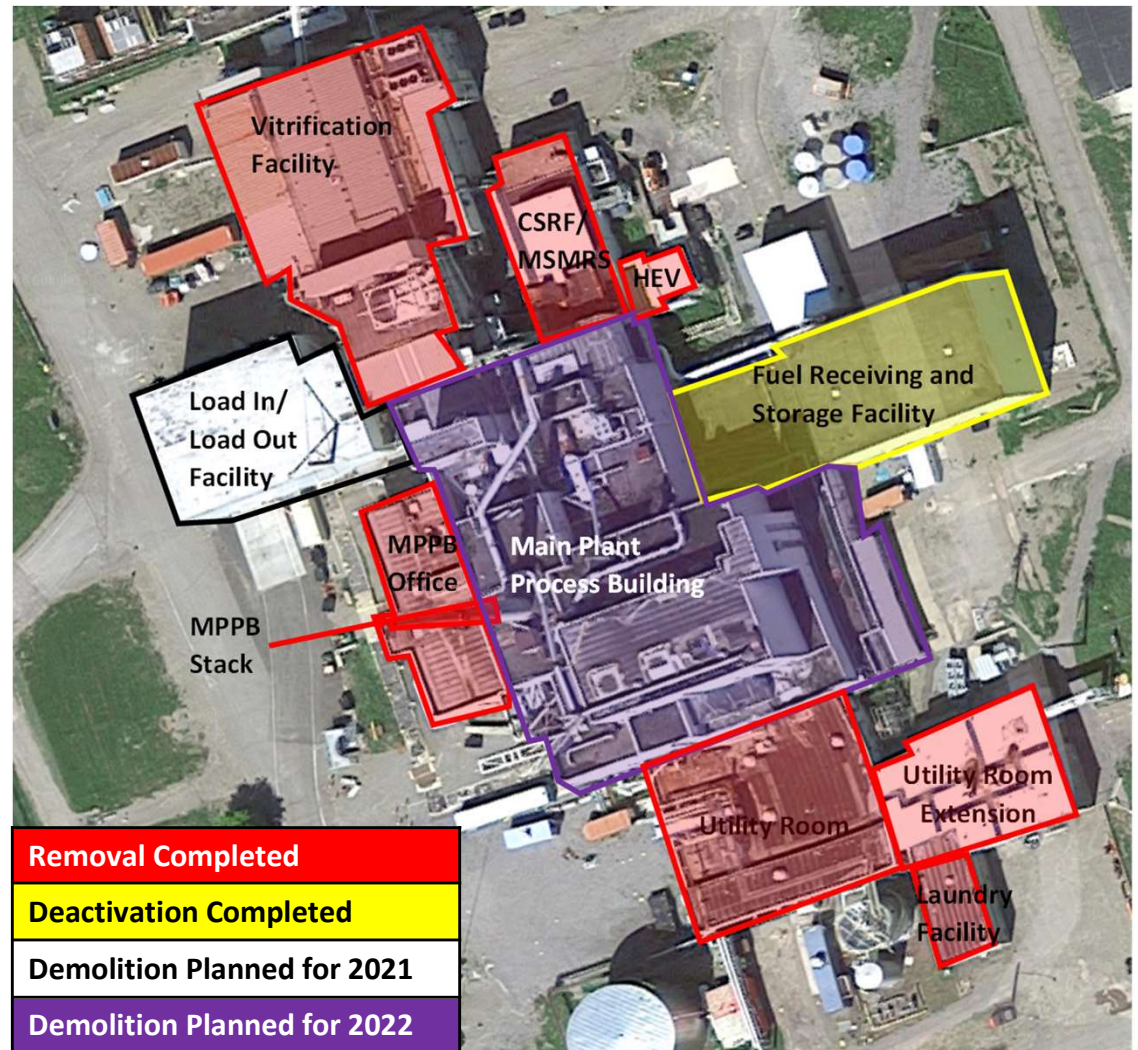
View of the vent duct to be cut by diamond wire saw (top) and duct after being cut (bottom)

Demolition of Ancillary Support Structures

- **Load-In/Load-Out Facility –** Started demolition on November 9, 2021
- Completed the demolition of six ancillary support structures (Contact Size-Reduction Facility, Manipulator Repair Shop, Vitrification Facility, Utility Room, Utility Room Extension, Main Plant Office)



Load-In Facility demolition



**Ancillary support structures surround the Main Plant*

Main Plant Demolition Preparations

- **Water Management System** – Finalizing testing and training, and working any actions that were discovered during testing
- **10-Plex Office Complex** – Completed electrical installation for water heaters and final water and gas line connections at main header in the manhole
- ***Drum Cell Modifications** – Completed overhead crane modifications, and completed moving 296 curbs in preparation for pouring a concrete floor

Inside Drum Cell (new roll-up door opening in background)



Inside Drum Cell after curbs and spacers moved



**Will be used for preparing intermodals during Main Plant demolition*

NEW WORK SCOPE:

- **New Guard House** – Continue to work closely with DOE on the layout of the new guard house, the roadway to this facility, and getting estimates for different types of facilities
- **Legacy Waste (CPC Degraded Containers)** – Contract placed for the design and fabrication of four shielded containers for shipping and disposal following repackaging operations
- **Tank Sampling (8D-4)** – Continue to develop plans to sample and characterize waste (~1,100 gallons of sludge and ~2,800 gallons of liquid) in underground tank 8D-4 (Tank Farm); partnering with DOE on the design of the sampling system
- **Lagoon 4/5 Re-Route** – Awarded a contract for the design of a system that will allow Lagoon 3 to be taken out of service; contractor kick-off meeting held on October 25