



U.S. DEPARTMENT OF  
**ENERGY**

OFFICE OF  
**ENVIRONMENTAL  
MANAGEMENT**

# **WVDP Project Update**

## **Main Plant Process Building Deactivation and Demolition Preparations**

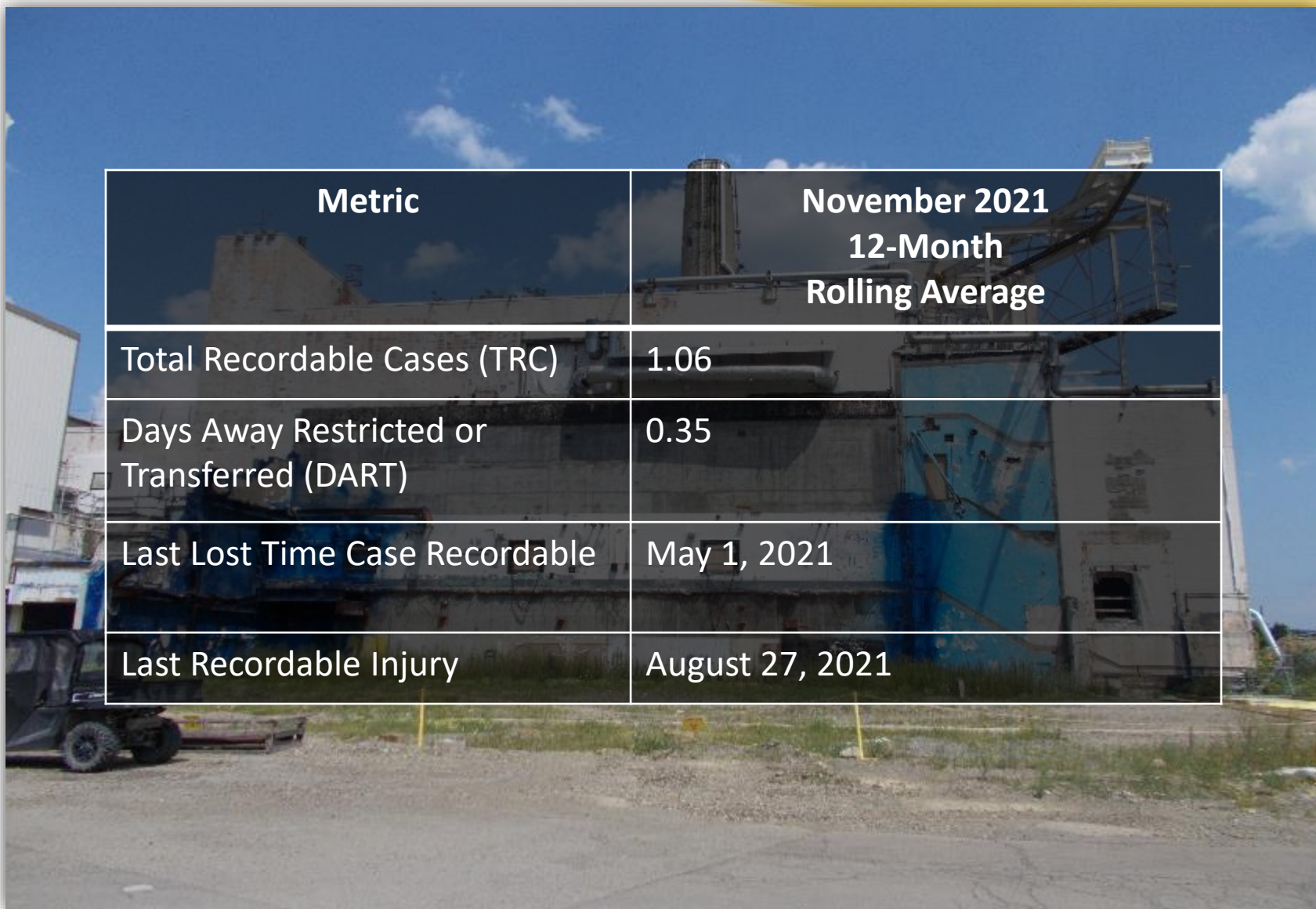
**Kelly Wooley**

*Deputy General Manager*

**Citizen Task Force Meeting**

**December 15, 2021**

*(Virtual)*



Metric	November 2021 12-Month Rolling Average
Total Recordable Cases (TRC)	1.06
Days Away Restricted or Transferred (DART)	0.35
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
- **Product Purification Cell (PPC)** – Continued aggressive decontamination on the south and north walls of the cell (~798 square feet completed to date) and performed weekly radiological surveys and fixative application



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



PPC-S wall 'scabbled' after using Nitrocision (November 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 (10 of 28 cuts complete; 6 of 19 sections of duct removed)
- **Acid Recovery Cell (ARC)/Off-Gas Aisle (OGA)** – Continue preparations for curtain containment installation



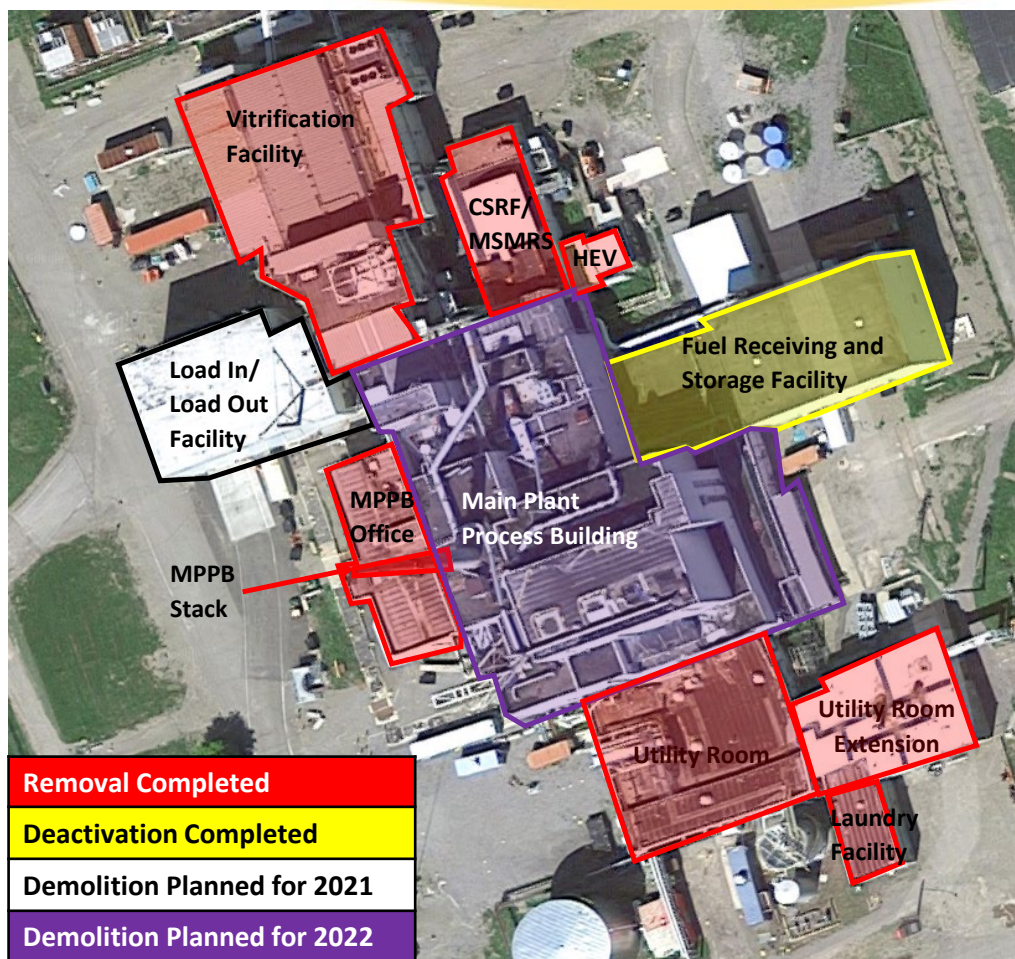
(Left) View of the vent duct after being cut with a diamond wire saw and  
(Right) duct sections to be cut

# Demolition of Ancillary Support Structures

- **Load-In/Load-Out Facility –**  
Demolition started on November 9, 2021



Load-In Facility demolition



*\*Ancillary support structures surround the Main Plant (six of seven structures have already been demolished)*

# Main Plant Demolition Preparations

- **Water Management System** – Continuing to finalize testing and training, and working any actions discovered during testing
- **10-Plex Office Complex** – Installed insulation and heat trace on water lines; and continue installing the portable ventilation unit duct for asbestos-containing material shower area
- **\*Drum Cell Modifications** – New roll-up door has been installed; and crews are pouring the concrete floor



New concrete floor inside Drum Cell

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

- **Permeable Treatment Wall (PTW) Activities**

- Continued preparing and filling intermodals (IMs) of soil and debris
- As of November 30, 2021:
  - Filled and characterized 270 (soil) and 93 (debris) IMs
  - Shipped 363 IMs to *EnergySolutions* on 62 rail cars
  - Received and prepared 231 empty IMs



PTW soil and structure  
removal project





## NEW WORK SCOPE:

- **New Guard House** – Continue to work closely with DOE, and preparing a bid for the new facility
- **Legacy Waste (CPC Degraded Containers)** – Contract placed for the design and fabrication of four shielded containers for shipping and disposal following repackaging operations with delivery expected in the third quarter of 2022
- **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; and developing sample system to obtain full depth sludge samples at various locations in the tank
- **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