

# **WVDP Project Update**

## **Main Plant Process Building**

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## **Controlled Deconstruction**

Jason Casper, CHBWV President and GM

**Citizen Task Force Meeting**

March 26, 2025

# AGENDA

- Safety Stats
- Main Plant Process Building Deconstruction
  - September Aerial Photo
  - Areas Completed and Areas Remaining
  - 3-D Model View
  - Progress Photos
- Waste & Site Operations
- Questions



# Safety Stats

Metric	12-Month Rolling Average
Total Recordable Cases (TRC)	0.56
Days Away Restricted or Transferred (DART)	0.00
Last Lost Time Case Recordable	April 17, 2023
Last Recordable Injury	January 17, 2025





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# Main Plant Process Building Deconstruction

# Aerial Photograph (January 2025)



# MPPB Deconstruction Areas

# (55 of 56 Cells Completed)

- Solvent Storage Terrace
  - Upper & Lower Warm Aisle
  - South Stairs
  - Extraction Cell 1, 2, and 3
  - Extraction Chemical Room & Monorail
  - Off Gas Blower Room
  - Acid Recovery Cell
  - Acid Recovery Pump Room
  - Chemical Process Cell & Crane Room
  - Ventilation Exhaust Cell
  - Hot Acid Cell
  - Off Gas Cell
  - Off Gas Aisle
  - Process Chemical Room
  - Hot Cells 2,3,4 and 5
- Remainder of Main Plant Ventilation Stack
  - Analytical Decontamination Aisle
  - ICP Lab
  - Control Room
  - Upper Extraction Aisle
  - CTS Lab
  - Sample Storage Cell
  - Chemical Operating Aisle
  - Lower Extraction Aisle
  - Liquid Waste Cell and all nine tanks
  - Waste Receiving and Package Area
  - Product Packaging and Shipping/Handling
  - Uranium Loadout & Tank
  - Uranium Process Cell & Tanks
  - Sample Cell #2
  - Off-Gas Cell
  - East Mechanical Operating Aisle
- West Mechanical Operating Aisle
  - Mass Spec Lab
  - Chemical Process Cell Sampler Removal
  - Vitrification Lab
  - Radiochemistry Lab
  - Extraction Sample Aisle
  - East Stairs
  - Analytical Chemistry Lab
  - Ventilation Wash Room & Washer
  - Scrap Removal Room
  - Equipment Decontamination Room
  - North Stairs
  - Process Mechanical Cell Crane Room Enclosure
  - Process Mechanical Cell Crane Room
  - Vent Supply Room
  - Process Mechanical Cell – East Wall

**COMPLETED**

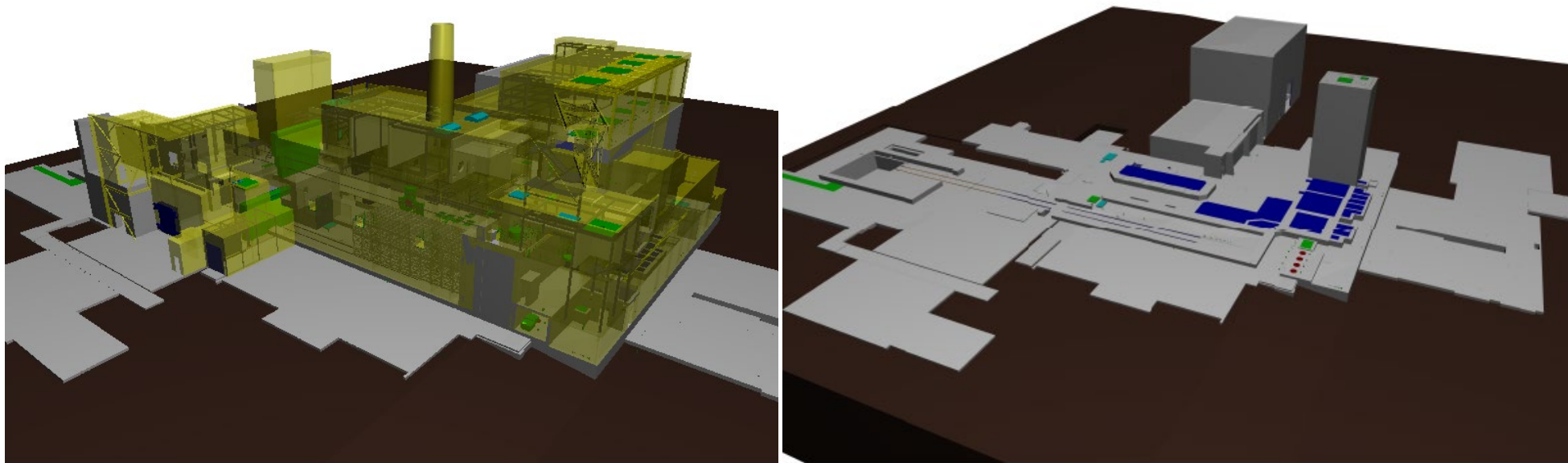
## Not Complete:

Product Purification Cell (N&S)





# MPPB Deconstruction



**3-D Model of Main Plant Deconstruction  
(Completed areas in Yellow, Areas remaining in Gray)**



# *MPPB Deconstruction (Cont.)*



**Main Plant west wall before deconstruction (June 2022)**

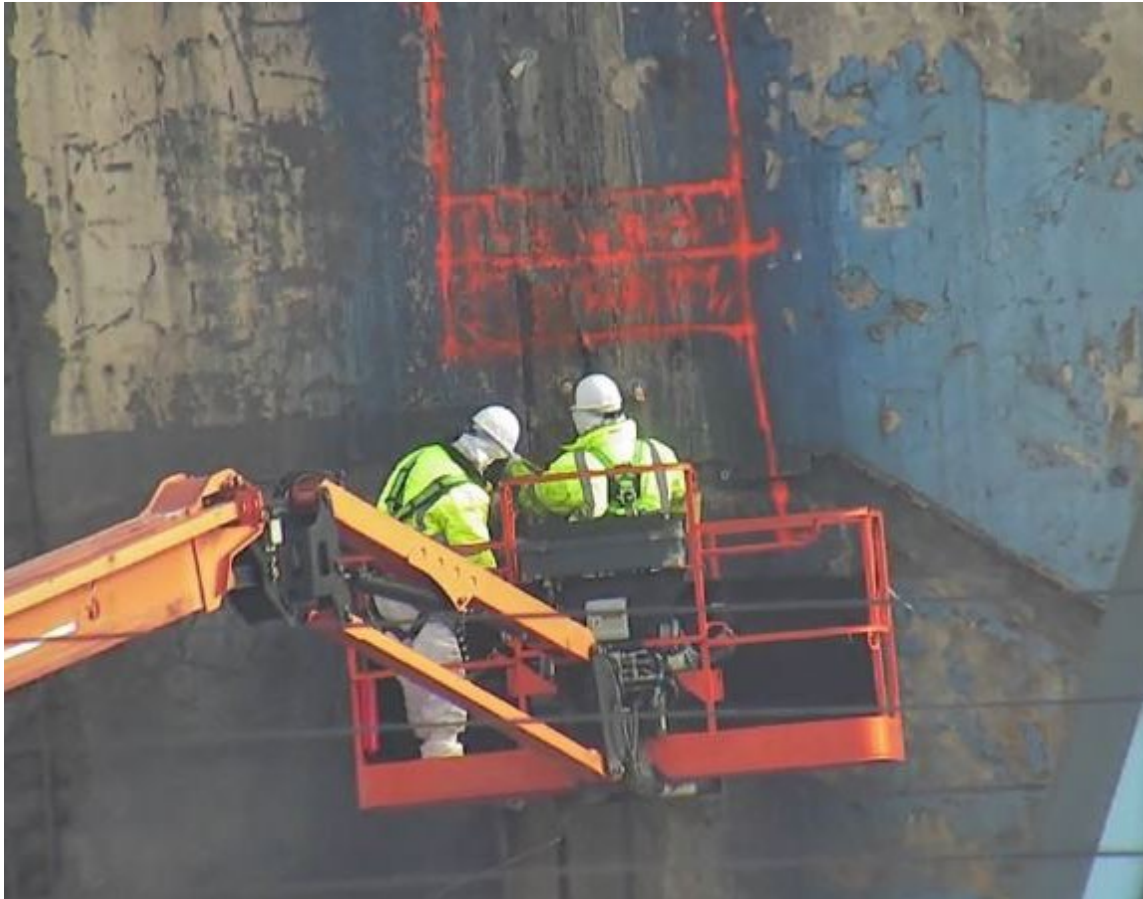


**Main Plant west wall (March 2025)**





# MPPB Deconstruction (Cont.)



(Left) D&D operators mark demo areas on Off-Gas Cell (Right) Deconstructing OGC with hydraulic hammer



# *MPPB Deconstruction – Off-Gas Cell (OGC)*





# *MPPB Deconstruction – OGC (Cont.)*



# *MPPB Deconstruction - OGC (Cont.)*



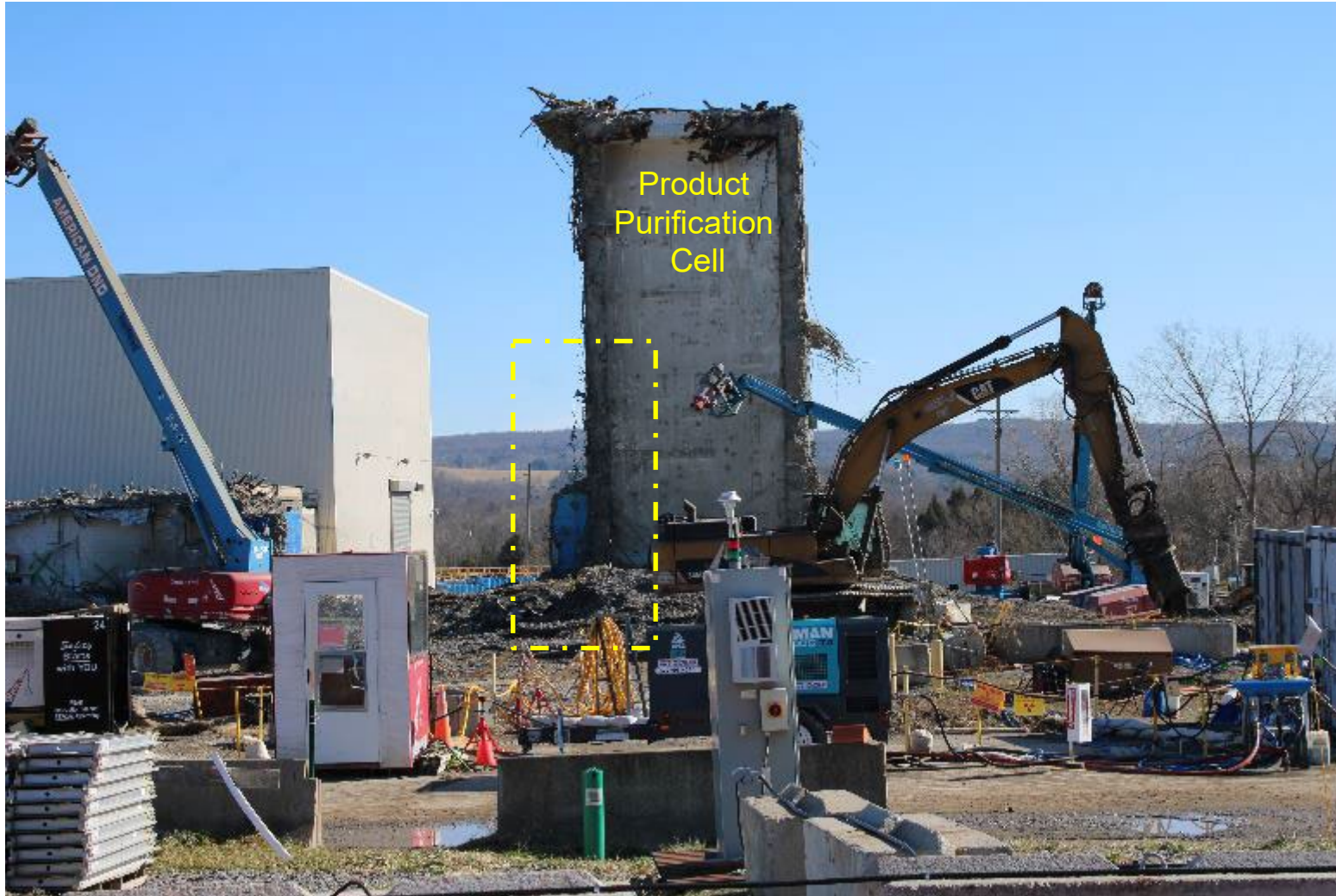


# *MPPB Deconstruction (Cont.)*





# *MPPB Deconstruction – OGC Demolition Completed*



# *MPPB Deconstruction – Bay 18, Vitrification Facility*

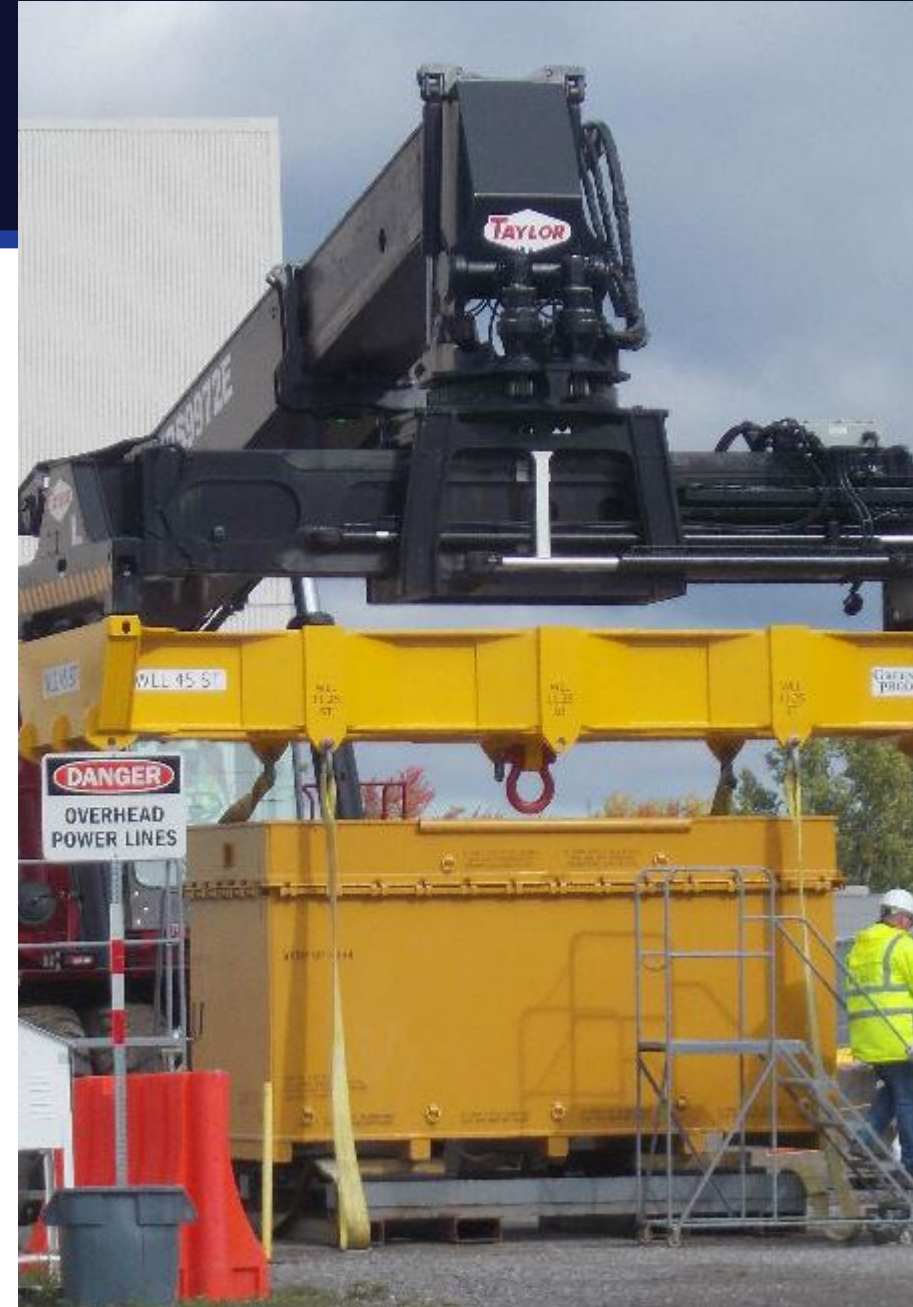




# Waste and Site Operations

## MPPB Deconstruction Waste Support (as of the end of March 10)

- Shipped a total of 1,290 intermodals or 215 rail cars of debris (25,115 tons)
- Shipped a total of 87 Specialty Boxes removed from the MPPB Deconstruction Project (805 tons)
- Continue to receive and prepare boxes



# Waste and Site Operations (Cont.)

## Waste Tank Farm:

- Previously, overpacked one Waste Tank Farm pump (SP-339) that was shipped on October 30, 2024
  - Overpacked two other pumps into SP-340 and SP-341 in December 2024
  - Overpack fourth pump, SP-108, into SP-372 in March 2025
  - Two pumps are scheduled to ship the week of March 24, the last one will ship in early April



# Waste and Site Operations (Cont.)

## Tank 8D-4 Work:

- 8D4 sludge sampling is completed
- Five(5) samples packaged and shipped to the lab for analysis
- Completed the removal of the camera and waste, and stored the system for possible future work
- Working on possible paths forward to safely and compliantly disposition this waste





# QUESTIONS



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