



U.S. DEPARTMENT OF  
**ENERGY**

OFFICE OF  
ENVIRONMENTAL  
MANAGEMENT

# WVDP Project Update

## Main Plant Process Building Controlled Deconstruction

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*Kelly Wooley, CHBWV Deputy General Manager*

Citizen Task Force Meeting – September 27, 2023

# Safety

Metric	August 2023 12-Month Rolling Average
Total Recordable Cases (TRC)	0.59
Days Away Restricted or Transferred (DART)	0.29
Last Lost Time Case Recordable	April 17, 2023
Last Recordable Injury	June 22, 2023

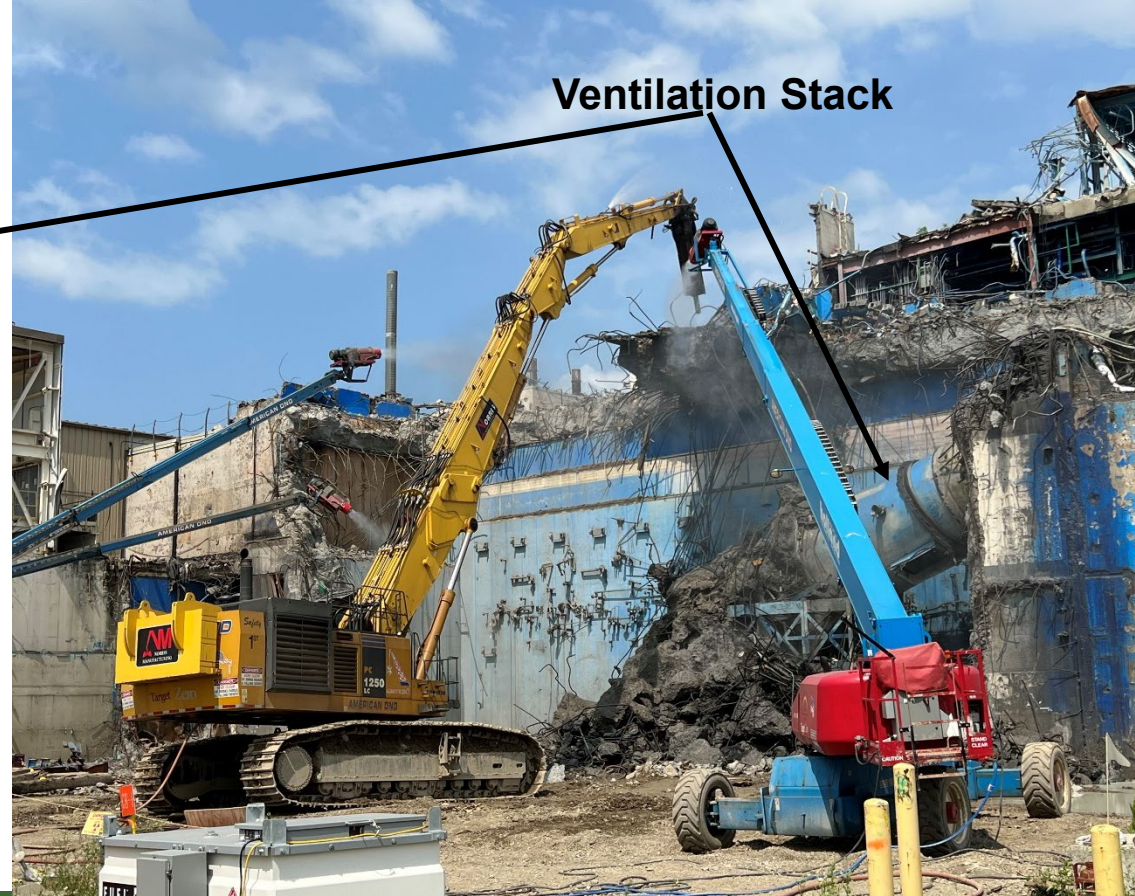
*Background Photo: Employees watch a demonstration of the long-reach fork truck at the 2022 Safety Day*

# Main Plant Deconstruction



Deconstruction of the Chemical Process Cell Penthouse Enclosure

# Main Plant Deconstruction (Cont.)



Deconstruction of the Remaining Section of the MPPB Ventilation Stack

# Main Plant Deconstruction (Cont.)



Chemical Process Cell Storage Rack Final Removal and Size-Reduction of Ventilation Stack

# Main Plant Deconstruction (Cont.)



Chemical Process Cell Upper East Wall Removal

# Main Plant Deconstruction (Cont.)



Waste Loadout of Demolition Debris

# Main Plant Deconstruction (Cont.)



North Chemical Process Cell Wall



# Main Plant Deconstruction (Cont.)



Deconstruction of the Chemical Process Room

# Main Plant Deconstruction (Cont.)



Deconstruction of the Sample Storage Cell

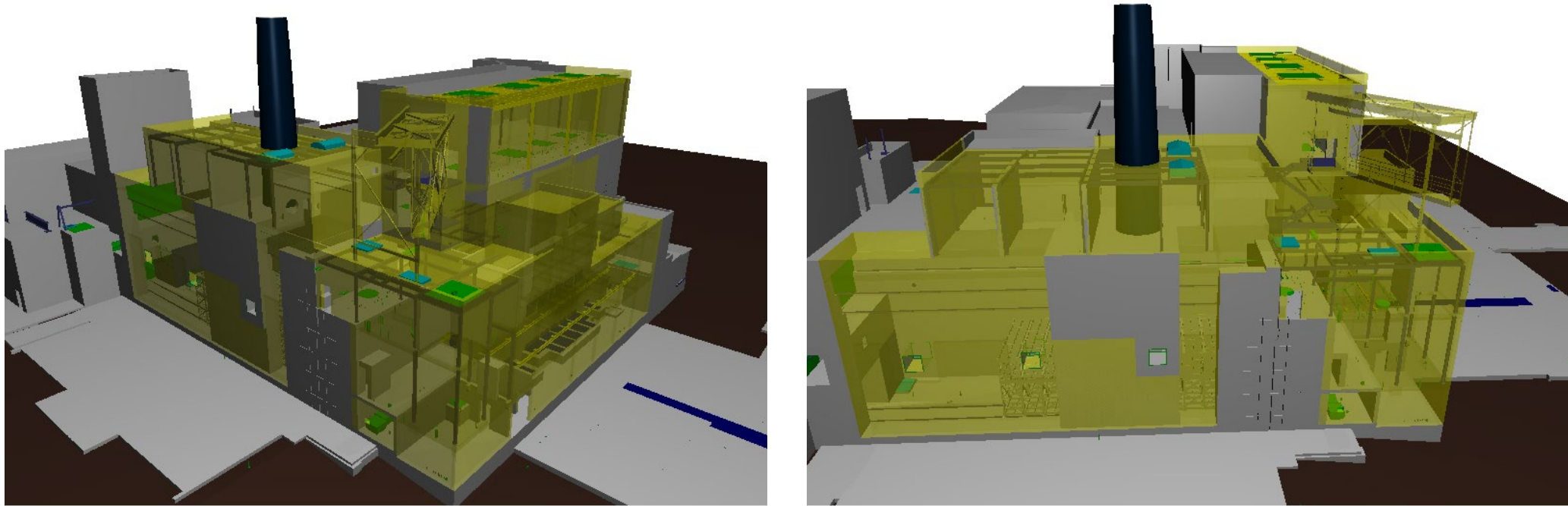
# Main Plant Deconstruction (Cont.)



Deconstruction of the Chemical Process Cell

# Main Plant Deconstruction (Cont.)

3-D Model



Yellow – Completed Areas

# Balance of Site Facilities and Infrastructure

## NEW WORK SCOPE:

### Tank Sampling (8D-4):

- The tank liquid sample obtained on May 10 was analyzed, and the results were as expected apart from higher alpha and lower Cesium-137
- Analysis of the archived 2012 sludge sample has been received from the lab and further analysis is ongoing
- Testing of tooling to remove equipment was completed with a final mock-up planned closer to performance of the work
- A second prototype core sampler is being fabricated to test
  - A sludge simulant, using zeolite, silicon dioxide, and kaolin will be created to test the second prototype



8D-4 Inspection Camera

# Annual Full-Scale, Full-Participation Exercise

Simulated Emergency Exercise Scene



Simulated Emergency Exercise Scene



July 25, 2023

Simulated Emergency Exercise Scene



Emergency Operations Center  
(Annual Exercise)

