



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**  
**April 27, 2022**  
*(Virtual)*

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MANAGEMENT

## Safety

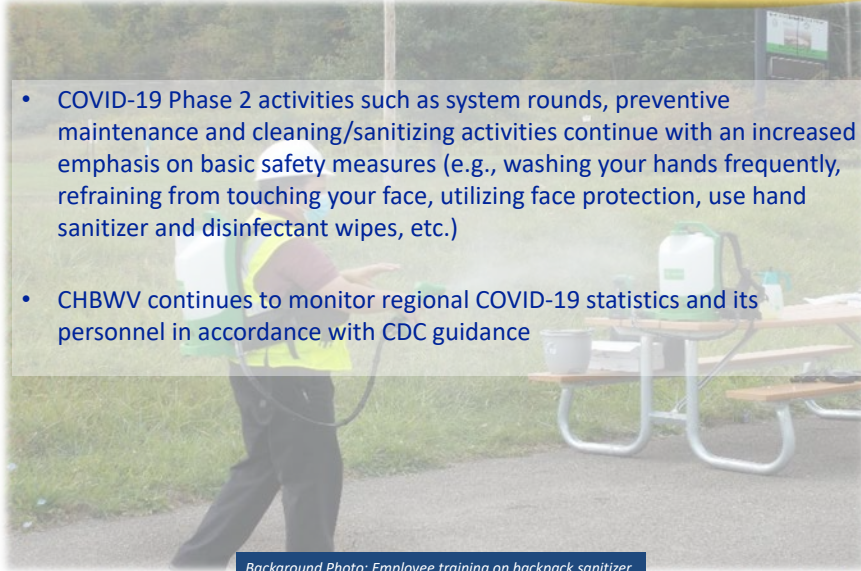
Metric	March 2022 12-Month Rolling Average
Total Recordable Cases (TRC)	0.33
Days Away Restricted or Transferred (DART)	0.33
Last Lost Time Case Recordable	May 1, 2021
Last Recordable Injury	August 27, 2021

Background Photo: Confined space rescue training

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## COVID-19 Controls

- COVID-19 Phase 2 activities such as system rounds, preventive maintenance and cleaning/sanitizing activities continue with an increased emphasis on basic safety measures (e.g., washing your hands frequently, refraining from touching your face, utilizing face protection, use hand sanitizer and disinfectant wipes, etc.)
- CHBWV continues to monitor regional COVID-19 statistics and its personnel in accordance with CDC guidance



Background Photo: Employee training on backpack sanitizer

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## Main Plant Deactivation

- **Product Purification Cell (PPC)** – Continued aggressive decontamination of (new areas) west wall; completed monthly inspections of the mast climber (moves workers up and down the cell), overhead hoist and trolley (cell decontamination status is at approximately 1,232 square feet total out of 2,400, completed to date)
- **Ventilation Wash Room (VWR)** – Completed the cutting and removal of the ventilation duct; completed final cleanup of the room; and commenced fixative application



Wall inside PPC-S after aggressive decontamination (March 2022)

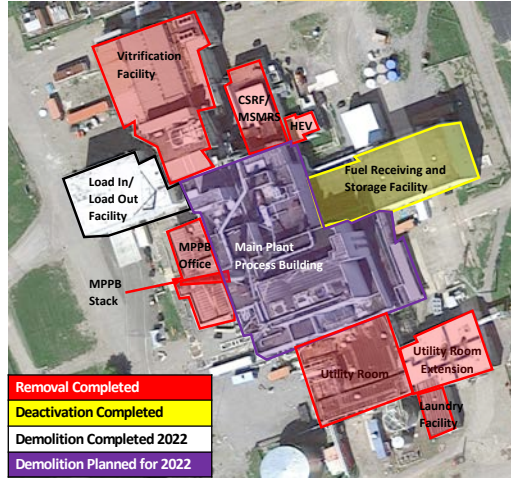


Inside PPC-S with mast climber on the right side of the photo

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## Demolition of Ancillary Support Structures

- Load-In/Load-Out Facility** – Completed demolition; removed piping from the Off-Gas Trench that was located under the facility; completed backfilling and installed the French drain in Off-Gas trench to support future water management



\*Ancillary support structures surround the Main Plant

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## Main Plant Demolition Preparations

- Water Management System** – Completed testing and training of the new system through the various frac tanks; finalizing punch list items; issued drawings and Preventive Maintenance cards for the system; finalized the Standard Operating Procedures for operation of the system and issued them for use



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## Balance of Site Facilities and Infrastructure

- **Permeable Treatment Wall (PTW) Activities** – Completed excavation, demolition, and loading of intermodals; graded area for topsoil and seeding in Spring; completed installation of the drainage swale along the west side of the PTW Roadway



Graded area for topsoil and seeding in the Spring (April 2022)



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## Balance of Site Facilities and Infrastructure

- **Utility Room Diesel Tank Removal** – Completed demolition of the tank, which is no longer needed, and removed asbestos-containing materials (ACM) controls from the area (Note: The Utility Room was removed in 2020)



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### NEW WORK SCOPE:

- **New Guard House** – Construction of the new guard house began on Monday, April 25
- **Legacy Waste (Chemical Process Cell Degraded Containers)** – Move remaining four containers (SUREPAKS) with High Integrity Containers (HICs) inside
- **Tank Sampling (8D-4)** – Working on equipment design to complete core sampling, including tank sludge mixing before sampling, and radiation measurements to establish the spatial distribution of Cesium-137 in the sludge
- **Lagoon 4/5 Re-Route** – Completed a draft conceptual design of the re-route, and developing procedures to do a bench scale study to support the conceptual design