



Office of Environmental
Management

WVDP Project Update Main Plant Process Building Controlled Deconstruction

Joe Ebert, CHBWV Field Production Project Manager

Citizen Task Force Meeting

January 22, 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
- 2024 Community Support
- Questions

SAFETY STATS

Metric	12-Month Rolling Average
Total Recordable Cases (TRC)	0.29
Days Away Restricted or Transferred (DART)	0.00
Last Lost Time Case Recordable	April 17, 2023
Last Recordable Injury	June 22, 2024

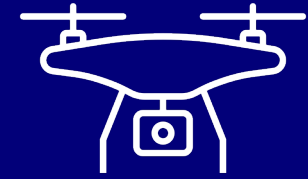


MAIN PLANT PROCESS BUILDING

Deconstruction

WEST VALLEY DEMONSTRATION PROJECT

MPPB DECONSTRUCTION



Aerial taken of Main Plant
Process Building in
September 2024

MPPB DECONSTRUCTION AREAS 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

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

Hot Cells 2,3,4 and 5

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

52 of 56 Complete

WEST VALLEY DEMONSTRATION PROJECT

MPPB DECONSTRUCTION – AREAS REMAINING

Process Mechanical Cell – East Wall

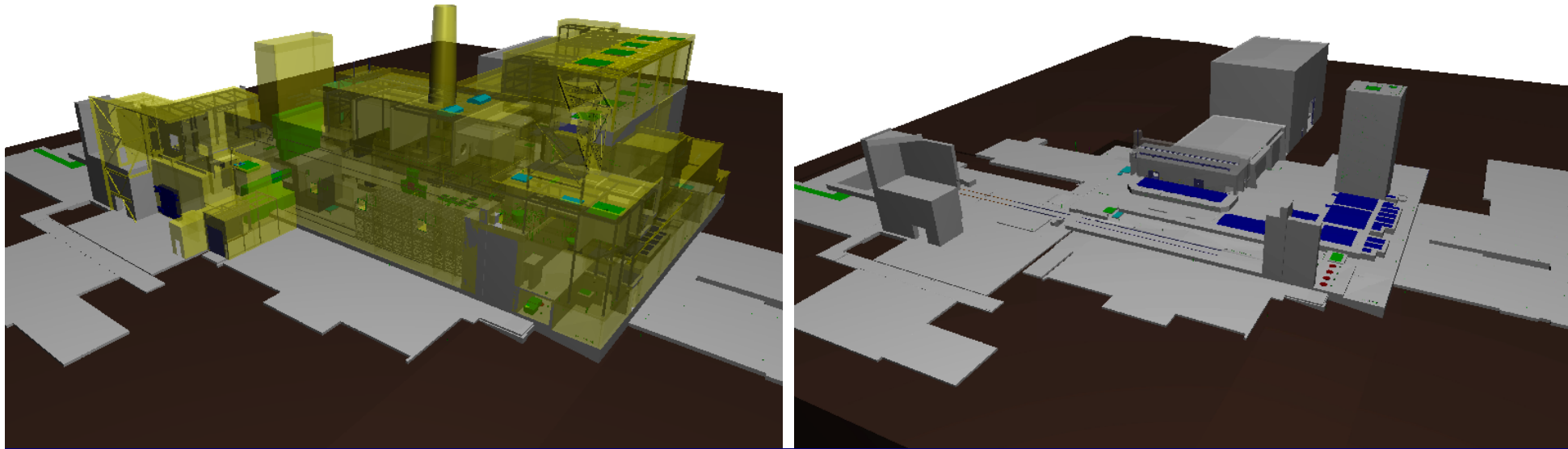
East Mechanical Operating Aisle

West Wall of Off-Gas Cell

Product Purification Cell



MPPB DECONSTRUCTION



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

MPPB DECONSTRUCTION



Main Plant west wall before deconstruction (June 2022)



Main Plant west wall (December 2024)

WEST VALLEY DEMONSTRATION PROJECT

MPPB DECONSTRUCTION



MPPB DECONSTRUCTION



EDR to Vit Tunnel Deconstruction



CMR Shield Door Removal

MPPB DECONSTRUCTION



Packaging of a Shield Window

MPPB DECONSTRUCTION



Removal of the Vent Supply Room Supplied Air Plenum

MPPB DECONSTRUCTION



Process Mechanical Cell East Wall Deconstruction

MPPB DECONSTRUCTION



Bay 18 - Vitrification Facility Utility Room Deconstruction

WEST VALLEY DEMONSTRATION PROJECT

MPPB DECONSTRUCTION



Process Mechanical Cell Liner Removal

MPPB DECONSTRUCTION



Vitrification Facility Bay 18 Deconstruction

MPPB DECONSTRUCTION



Process Mechanical Crane Room Floor Deconstruction

MPPB DECONSTRUCTION



Process Mechanical Cell North Wall

WASTE AND SITE OPERATIONS

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Waste Tank Farm

- Previously, overpacked one Waste Tank Farm pump that was shipped in October
- Overpacked two other pumps in December 2024
- Overpack fourth pump in January or February
- Ship these three remaining pumps in early Spring



2024 COMMUNITY SUPPORT

WEST VALLEY DEMONSTRATION PROJECT

2024 COMMUNITY SUPPORT

Community Service Donations:

- West Valley Fire District #1: **\$80,000**
- Bertrand Chaffee Hospital: **\$5,000**
- Mercy Flight: **\$5,000**

Annual Community Donations: **~\$12,000**

Annual Food Drive: Collected enough food for **9,500 meals**, delivered to nine pantries, all done by employee volunteers

United Way: Employees donated **\$6,734**

Cattaraugus County Toys for Tots: Employees donated **350+ toys**

