



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

CH2M HILL B&W West Valley Project Update

John Rendall, Regulatory Strategy
Citizen Task Force Meeting
CH2M HILL B&W West Valley

June 25, 2014

Milestone 1 – High-Level Waste Accomplishments



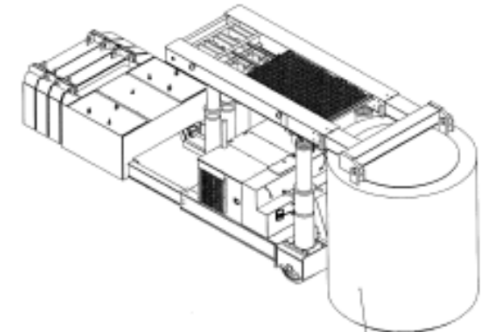
Onsite and Tested



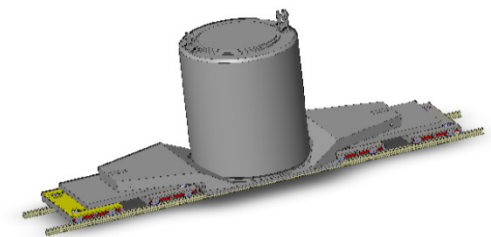
Vertical Cask
Transporter - 100%
Load Testing June 23
Delivery on June 30



Automatic Welding System
Fabrication Complete
Weld Testing in June & July
July Delivery



TL220 – 25%
September Delivery



Low Profile Rail Cart – 25%
November Delivery

Milestone 1 – High-Level Waste Accomplishments



Security Cameras Installed

High-level Waste (HLW) Storage Pad

- Security cameras and video surveillance system installed
- Completed hydro seeding and area housekeeping
- Butler Construction demobilized

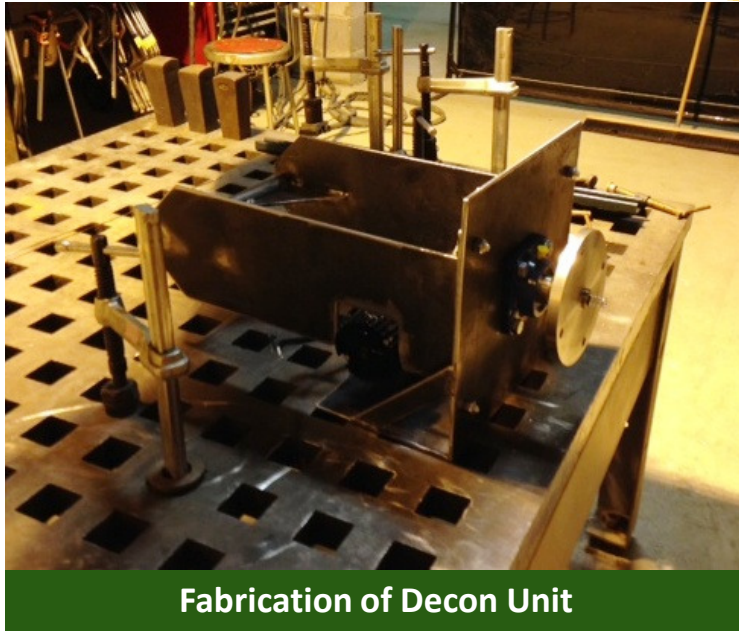


Hydro seeding Performed



Completed Storage Pad

Milestone 1 – High-Level Waste Accomplishments



Fabrication of Decon Unit

HLW Canister Decontamination

- Fabricated and tested Canister Decon Unit prototype in Load-In Facility (LIF)

Chemical Process Cell (CPC)

- Inspected CPC with GoPro camera

Equipment Decontamination Room (EDR)

- Peer review in progress on the grout plan

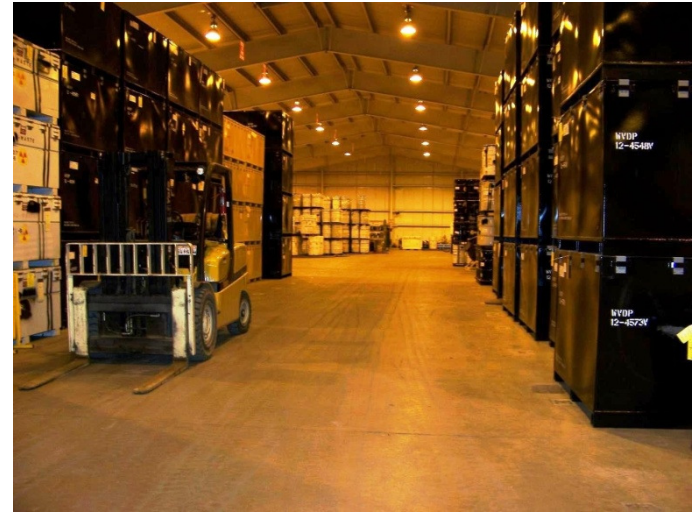


Mockup Testing

Milestone 2 – Waste Operations Accomplishments

Legacy Waste Disposition Status through May 2014

- Approximately 140,000 ft³ in storage at start of contract
- Processed and shipped ~77,000 ft³ for disposal to date:
 - LLW: 53% complete (70,842 ft³)
 - MLLW: 79% complete (5,000 ft³)
 - Industrial: 100% complete (984 ft³)
 - Hazardous: 100% complete (163 ft³)
 - 84 shipments to date
- No shipments in May 2014

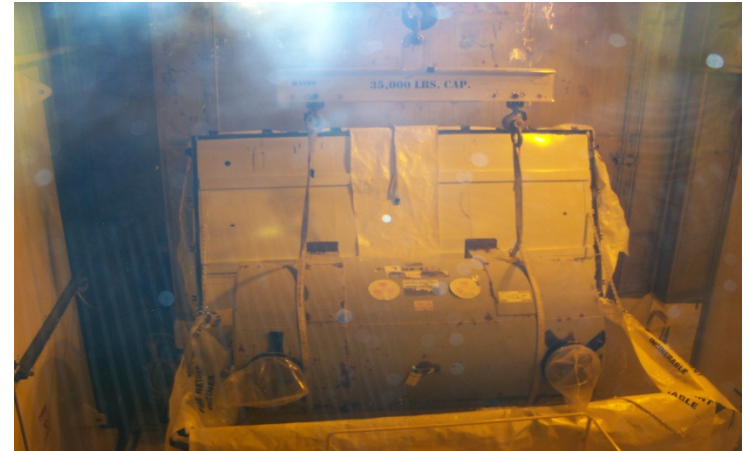


Lag Storage Facility Before and After
2013 Shipping Campaign

Milestone 2 – Waste Operations Accomplishments

Legacy Low-Level (LLW) and Mixed LLW Disposition

- Processing and preparing waste for off-site shipment and disposal
 - Waste Processing Area (WPA)
 - Remote-Handled Waste Facility (RHWF)
 - Maximizing cost-efficiency by reusing shielded containers and consolidating RH-LLW



Repackaging Legacy LLW in the RHWF



Repackaging Legacy LLW in the RHWF

Milestone 3 – Facility Disposition Accomplishments

Main Plant Process Building (MPPB)

Deactivation

- Liquid Waste Cell – Raschig ring removal from Tank 13D-7 and 13D-8
- Plant Office – Asbestos-Containing Material (ACM) removal – First floor
- Off-Gas Trench – Hatch cover removal
- Analytical Aisle – Hot Cells 4 and 5 floor debris removal, Sample Storage Cell equipment/material removal
- Preparing for dismantlement activities in Extraction Cell-1 (XC-1)



Bottom of Tank 13D-8 after Ring Removal



Analytical Hot Cell #4 Floor Conditions

Milestone 3 – Facility Disposition Accomplishments

Vitrification Facility - Deactivation

- Vacuum Pit Floor debris
- Set up for wash down of Cell and waste loadout



Vit Cell Equipment Pit West Side Vacuuming



Vit Cell Equipment Pit East Side After Vacuuming

Milestone 4 – Balance of Site Accomplishments

Balance of Site Facilities

- Soil restoration after demolition of Expanded Environmental Lab (E-Lab) and T-FS-04 Building
- Con-Ed Building – Initiated deactivation



Restoration After Seeding and Mulching



Con-Ed Building After Piping Removal

Milestone 4 – Site Operations Accomplishments

Lake 1 and 2 Dam Repairs

- Obtained approvals from the Army Corps of Engineers (ACE) and the New York State Department of Environmental Conservation (NYSDEC) for Lake 1 Spillway repairs
- Coordinating Lake 2 dam repair approvals with ACE and NYSDEC



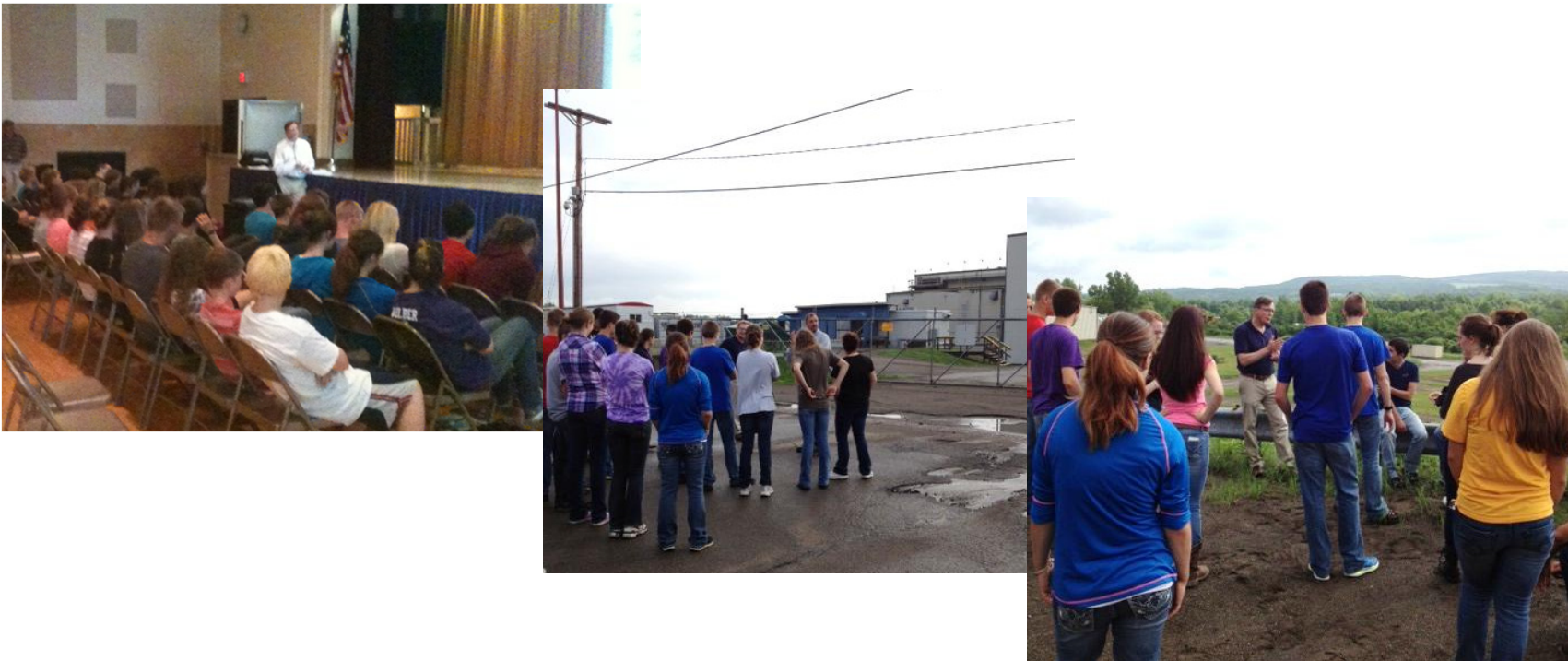
Lake 2 Overflow Flume Needs Reshaped to Slope
in Opposite Direction



Documenting Weekly Inspection Lake 1 Spillway

Future CTF Members

DOE, NYSERDA and CHBWV supported a West Valley Central School (WVCS) Visit (June 12) and Site Tour (June 13)



CHBWV provided four scholarship checks to WVCS graduating students who were accepted to a four-year college with a focus on science or engineering

Questions?