

# West Valley Demonstration Project UPDATE

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West Valley Cleanup Alliance

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# Safety Stats

| Metric  | 12-Month Rolling Average |
|---|--------------------------|
| <b>Total Recordable Cases (TRC)</b>               | <b>0.00</b>              |
| <b>Days Away Restricted or Transferred (DART)</b> | <b>0.00</b>              |
| <b>Last Lost Time Case Recordable</b>             | <b>None</b>              |
| <b>Last Recordable Injury</b>                     | <b>None</b>              |



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Cleanup Activities

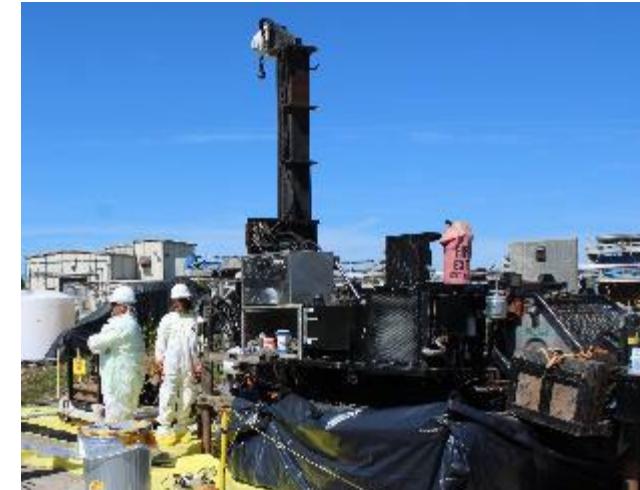
# Phase 1B D&D Scope

- Demolition of remaining near- and below-grade components of the Main Plant Process Building
- Contaminated soils remediation and disposition
- Waste management and legacy waste disposition
- Tank Farm sludge removal
- Safeguards and security
- Environmental monitoring
- Surveillance and maintenance
- Program support activities



# Core Sampling

- Completed boring operations (28 holes total)
  - Screened each sample for radiation
  - Safely shipped samples off-site for more specific isotopic analysis
- The WVDP team will use this information to plan and design the soil remediation work scope in the former footprint of the Main Plant Process Building
- Characterization of the soil is part of the preparation work before the demolition of near- and below-grade components of the Main Plant Process Building



Core sampling equipment



Core sample box



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# Geotechnical Sampling



Retrieving samples to characterize the soil for constructing a retention wall (needed for excavation)



Working alongside a Radiation Control Technician, a geologist outside the work zone records samples

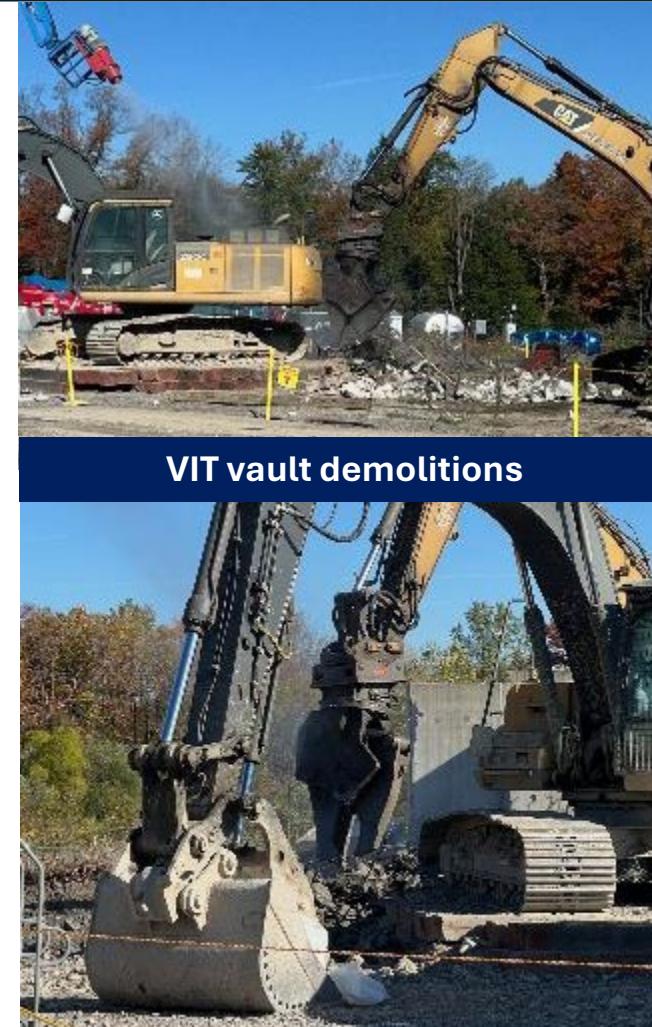


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# Demolitions

- Safely demolished 28 degraded liners, 17 vitrification (VIT) vault lid sections, 15 SurePaks, and 3 Vitrification Vaults
- Waste Disposition:
  - Debris loaded into 72 approved waste containers
  - Combined weight of 3,172,520 pounds



# Demolitions (cont.)



First Vitrification Facility Vault (VIT Vault) to be demolished (before)



First VIT Vault safely demolished (after)



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# Demolitions (cont.)



**Before demolition of liners, VIT Vault lid sections, SurePaks, and Vit Vaults**



**Completion of all demolitions (After)**



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# Recent Demolitions



Pump Storage Vault Demolitions – second vault being demolished with hydraulic hammer (front and backside views)



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# Demolition Completed



Pump Storage Vault Demolition Completion (different angles)



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# Other Work Activities

- Submitted the design for new fire loop
- Submitted 30% design for the onsite rail upgrade
- Disposition of materials no longer needed
- Designing of WMA-1 demolition and excavation approach
- Monitoring and surveillance activities
- Continuing to develop work plan to remove the former Fuel Receiving and Storage facility



A reach-stacker removes a full waste container from the demolition area



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# QUESTIONS



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