

WEST VALLEY DEMONSTRATION PROJECT (WVDP)

“Our dedicated workforce completed the safe and deliberate deactivation of the remaining cells inside the Main Plant Process Building, which paved the way for the next chapter of cleanup at the site—its controlled demolition. This is the culmination of more than two decades of work that has been performed safely and compliantly by our skilled West Valley Demonstration Project team. I’m proud to be a part of a team that prides itself on delivering results in a safe and compliant manner. Our accomplishments on this project would not be possible without the commitment and talent of our employees; and I look forward to continuing our work together.”

- Bryan C. Bower, Project Director, West Valley Demonstration Project

HIGHLIGHTS

- **Began Main Plant Process Building demolition—an EM 2022 priority.**
- **Completed demolition of the last ancillary support facility—an EM 2022 priority.**
- Completed Permeable Treatment Wall Soil and Containment Structure removal.

DEMOLITION BEGINS AT THE MAIN PLANT PROCESS BUILDING

In September, WVDP began the controlled demolition of the Main Plant Process Building (MPPB). The demolition is expected to take approximately 30 months to complete. The MPPB is one of the last remaining major facilities at the site, and the successful demolition of this facility will further reduce environmental risks and position WVDP for the next phase in cleanup.

The workforce conducted significant work over the past two decades to prepare the MPPB for demolition in a manner that is protective of human health and the surrounding environment. This included the reduction



Workers commence Main Plant Process Building demolition on the Solvent Storage Terrace.

of over 98 percent of the contamination through the removal of more than seven miles of contaminated piping and over 50 tons of contaminated equipment.

DEMOLITION OF THE MAIN PLANT'S LAST ANCILLARY FACILITY

The demolition of the Load-In Facility—the last of seven ancillary support structures that have been demolished—was completed earlier this year. This accomplishment brings DOE's total number of structures removed at the WVDP site to 69.

The 4,500-square-foot, two-level building had been used over the years for several purposes, and was no longer needed for EM's cleanup mission at the site.



Workers complete the demolition of the Load-In Facility.



An excavator is used to remove soil, structure debris, and load them into waste containers to be shipped off-site for disposal.

PERMEABLE TREATMENT WALL SOIL AND STRUCTURE REMOVAL PROJECT

Workers completed the restoration of an area where they removed soil and a structure associated with a project to build a unique groundwater treatment system, known as a permeable treatment wall.

An upgraded rail line was used to safely ship 300 containers of soil and 131 containers of debris generated from this project. Both soil and debris containers were shipped from West Valley to EnergySolutions for disposal. These shipments add to a safe transportation record of more than 25,000 rail miles from January through May.