

## EM site uses ingenuity and know-how to create demolition support complex.



*Photo provided*

**The new demolition support complex at the West Valley Demonstration Project will support the workforce during the future demolition of the main plant process building, an EM Priority for 2022. Dusty Mejak, an operator, inspects respirators inside the facility's new respirator issuance room. The facility also houses locker rooms, showers, personal protective equipment, radiation monitoring control room, radiation control personnel and a large meeting area.**

EM and its prime contractor CH2M HILL BWXT West Valley completed the conversion of an onsite office building to a demolition support complex. This reconfigured facility will support cleanup activities during the demolition of the main plant process building, an EM CY2022 priority.

“The reconfiguration of this former office building will provide support for our dedicated workers who will be directly involved in the demolition of the main plant,” WVDP Director Bryan Bower said. “From showers to personal protective equipment, this facility will become an integral part in helping EM continue its their mission of reducing legacy risks and life-cycle costs.”

WVDP's new demolition support complex boasts new locker rooms and showers for men and women, personal protective equipment, respirator issuance room, radiation monitoring control room, radiation control personnel and a large area for pre-job briefings, meetings and lunch.

When demolition starts, workers will be able to pick-up and suit-up in the necessary protective clothing before entering the main plant demolition work area. Upon exiting the demolition work area, workers will use a designated egress to enter the building, remove protective clothing and use the asbestos decontamination showers. From there, they will exit into a “clean” area and get dressed in the locker room. The building is designed to protect employees and the environment by controlling radiological and industrial hazards at their source.

This former building, also known as the “10-Plex,” was built using 10 double-wide office trailers. It housed several employees from different departments, which included Facility Disposition, Quality Assurance, Environmental Safety Health and Quality, Engineering, Radiation Protection, Regulatory Strategy and Project Management.

## West Valley completes modifications to former storage facility for future cleanup operations



*Photo provided*

**Workers at the West Valley Demonstration Project place concrete for the new floor inside the drum cell. The new floor will benefit waste operations during the demolition of the main plant process building, an EM Priority for 2022.**

EM and its prime contractor CH2M HILL BWXT West Valley completed modifications to a former onsite storage facility to be used for waste operations during the demolition of the main plant process building, a Department of Energy Office of Environmental Management CY2022 priority.

“The modifications to this facility demonstrate ingenuity and vision to repurpose a facility for future work and saves taxpayers money while maintaining our high safety and quality standards,” WVDP Director Bryan Bower said. “The safe completion of projects like this continues to bring us closer towards the future demolition of the main plant process building. I am proud of the work our employees as we continue our cleanup mission at the site.”

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Workers had to make several major modifications to this former onsite storage facility so it can be used for waste operations during the demolition of the main plant process building. Modifications included the removal of a large concrete shield wall to make an entrance that would accommodate a large fork truck for transporting empty intermodal waste containers in and out of the building; large new roll-up door; placing concrete for two ramps (inside and out) and a new inside floor; removing 296 concrete curbs used for previous storage operations, repairs to an inside overhead crane and adding three small access doors for egress.

The 17,250 square foot facility was constructed in 1987 for remote loading, placement and shielded storage for approximately 20,000, 71-gallon square drums of waste generated from previous operations. The drums were eventually removed from the drum cell in 2006 and 2007 and shipped by train to the Nevada National Security Site as low-level waste.