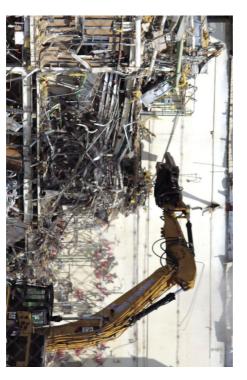
## **OLEAN TIMES HERALD**

## demolition WVDP ceremony marks start of vitrification facility

By RICK MILLER, Olean Times Herald

Sep 22, 2017



A special excavator from Demolition and Nuclear Decommissioning rips into the exterior portion of the vitrification building at the West Valley Demonstration Project Thursday.



turned radioactive liquid waste into glass. Others from left are: Stacy Charboneau of the DOE Environmental with others attending Thursday's ceremony marking the beginning of demolition of the vitrification facility than Bryan Bower (left), director of the West Valley Demonstration Project for the U.S. Department of Energy, talks the early 1990s, and former Ashford Supervisor Bill King. Management Office; Willis Bixby, who was DOE director at West Valley when the facility was constructed in

## Rick Miller/Olean Times Herald

Project was marked by a celebration Thursday. WEST VALLEY — The start of the demolition of the vitrification facility at the West Valley Demonstration

into the 50-foot-tall vitrification facility. spoke beneath a nearby tent, huge excavators from Demolition and Nuclear Decommissioning continued to tear As U.S. Department of Energy and New York State Energy Research and Development Authority officials

concrete containers on a pad adjacent to the nuclear cleanup site. stamless steel canisters. The canisters, still highly radioactive, but unable to leach from the glass sit in 56 It helped turn 600,000 gallons of high-level radioactive liquids into glass now contained in 275 10-foot-tall

A remote misting system keeps water focused on parts of the building being demolished, said DOE site director

"It's just as effective with a lot less water," he said.

tanks and will be tested for any contaminants. Any contaminated water will be put through the treatment plant if A berm around the building will contain water from any storm events, Bower said. It can be pumped to waiting

opened the vitrification facility in 1996. It pretreated the liquid wastes from the acid process used to reclaim plutonium from spent nuclear fuel rod casings, then mixed the reduced liquids into molten glass. at the plant when it was processing spent nuclear fuel rods, was also present at the ceremony that officially Former Ashford Supervisor Bill King, 81, who also served on the West Valley Citizens Task Force and worked

King showed a souvenir, a piece of blue glass with a "V" pressed into it to signify "vitrification."

"I never thought I'd see this come down," King told Bower before the ceremony.

ceremony was to celebrate the success of the start of another major milestone in the cleanup that has cost the state and federal governments nearly \$3 billion. Jeff Bradford, president and general manager of the contractor, CH2M HILL BWXT West Valley, said the

compliance ceremony. "My hat's off to the guys doing the work on the inside. We have to do it in safety and in "It takes years of planning and extremely dangerous work," Bradford told workers and others attending the

toured the vitrification facility while it was being built as a high school student. He commended those involved Brad Frank, a program manager for the New York State Energy Research and Development Authority, said he

After testing, the vitrification facility was in use from 1996 to 2002, when the last of the 275 canisters was

United States — but closing and decommissioning the building and its equipment, including the melter. The end of the vitrification mission included turning all the liquid wastes into glass — another first in the

disposal at low-level and other appropriate facilities. Now comes the last stage, the controlled demolition of the building and packing the pieces into containers for

Former DOE site director Willis Bixby, now retired, was at the site when the vitrification facility was constructed and initial testing was underway.

culture pioneered at the WVDP King, the former Ashford supervisor, credited Bixby with initiating the transparency policies and the safety

Citizens Task Force. "It's quite a legacy," King said, noting DOE sites across the country have groups similar to the West Valley

waste management knowledge benefits other DOE sites as well. the first one to tear down such a facility. The cleanup not only benefits the local Ashford community, but that Bower said West Valley was not only the first DOE site to vitrify its liquid wastes, starting in 1996, but is now

Environmental Management, congratulated the DOE, NYSERDA and the contractor, CHBWV, on the progress

Stacy Charboneau, associate principal deputy assistant secretary for field operations in the DOE's Office of

over the next few years. The vitrification building is expected to be torn down by April. Charboneau also presented Bradford and Rob Dallas, president of Local 2401 of the International Association

She spoke of "a skyline change" once the vitrification facility, then the main process building, are demolished

of Machinists and Aerospace Workers, with a plaque and flag signifying the site's good work record

Later, Bixby, who is retired from DOE but represents a company involved in transporting wastes out of West

Valley, said, "This is the end of the beginning. They're taking the building down and getting rid of the debris."

the process. It was essential to get to the end of Phase I." He said he found the removal of the melter from the vitrification building last year like "taking the heart out of

pooled beneath the building and leached in an underground plume toward a nearby creek demolished. That will allow access to the source of a Strontium 90 leak from when the plant was operated. It The end of Phase I will come when the main process building adjacent to the newer vitrification facility is also

Phase II will involve whether underground tanks that once held highly radioactive liquid and the nearby state billions to the cost of the cleanup. and federal landfills filled with low-level radioactive waste should be excavated and removed. That would add

the kitty litter-like material lining a deep trench.

That plume has since been intercepted with a permeable treatment wall designed to bind radioactive material to

(Contact reporter Rick Miller at rmiller@oleantimesherald.com. Follow him on Twitter, @RMillerOTH)