



# RECOVERY ACT *UPDATE*

September 2, 2011

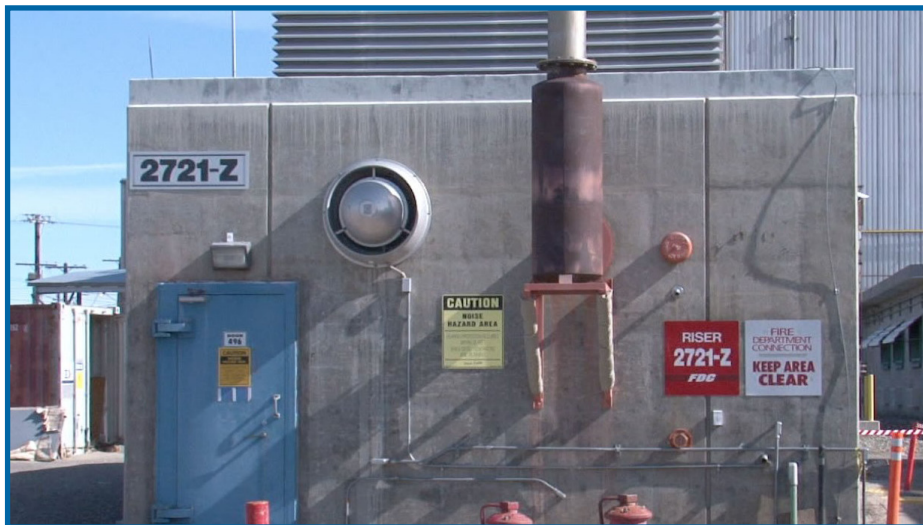
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## 25-year-old filters being removed from PFP



While the 2736-Z facilities are ready for demolition, PFP crews continue work in the 234-5Z building, where they are removing gloveboxes as well as other contaminated equipment from throughout the facility. A team of workers previously responsible for removing process vacuum system piping successfully completed removal of 112 25-year-old HEPA (High-Efficiency Particulate Air) filters from previously deactivated Filter Room 316 in the 234-5Z building. The team then initiated work in Filter Room 311, removing the first 12 filters. Altogether, the team will remove nearly 250 filters from these rooms, two of nine final filter rooms supporting ventilation of the PFP process facilities.

## Last preparations in progress for PFP Vault Complex



CH2M HILL Plateau Remediation Company has declared the 2721-Z building, the last of three ancillary buildings, ready for demolition at the Plutonium Finishing Plant (PFP). The 2736-Z/ZA/ZB vault storage buildings were also certified cold and dark and temporary construction fencing was installed around the perimeter of the complex for site control. These are some of the last few steps before CH2M HILL can demolish what were once some of Hanford's most secret facilities.

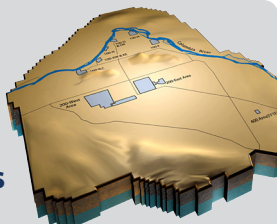
CH2M HILL plans to demolish these facilities and complete waste load-out by the end of December. The work requires PFP crews to partner with Decommissioning and Demolition (D&D) forces. The D&D team allocates the necessary resources to complete cold and dark certifications, complete demolition preparations and staff the demolition and waste load-out. The teams have partnered in the past to remove the former PFP security inspection stations and access control facilities in 2010, and a variety of nuclear, radiological and industrial facilities before that.

Removing ancillary buildings is part of CH2M HILL's effort to use American Recovery and Reinvestment Act (Recovery Act) funding to accelerate preparations to demolish the PFP complex to slab on grade ahead of schedule.

## Recovery Work *FAST FACTS*

**Footprint  
Reduction**

**258  
Square Miles**



**Awards**

**54%  
Contracts  
Awarded to  
Small Business**



**Videos**

**Weekly  
Progress**

Available Online

[youtube.com/hanfordplateau](http://youtube.com/hanfordplateau)





## Construction acceptance testing in progress at pump and treat facility

Construction acceptance testing is in progress in several areas of the 200 West Groundwater Treatment Facility, soon to be Hanford's largest pump and treat system. When operations begin later this year, the massive system (more than 52,000 square feet altogether) will greatly expand Hanford's ability to treat contaminated groundwater beneath the site. It will be the second of two groundwater treatment facilities constructed with Recovery Act funds and a third system CH2M HILL will have completed and brought online in 2011.



## Pumps loaded for disposal

Demolition of the 181-KW and 181-KE River Pumphouses is nearly complete, with rock from approved sources scheduled to be placed as part of the re-contouring of the 100K Area shoreline. CH2M HILL also completed loading and disposal of the size-reduced 181-KE and 181-KW pumps, delivering them to Environmental Restoration Disposal Facility. Also in the 100K Area, demolition is in progress on the 183.1-KE Headhouse chemical storage tanks, the 190-KE Main Pumphouse, the east and west sides of the 183.3-KE Filter Basins. Removing these facilities is helping to shrink the cleanup footprint around the K East and K West Reactors at Hanford's 100K Area along the Columbia River.

## Waste shipments near 2,000 cubic meters

CH2M HILL has shipped nearly 2,000 cubic meters (m<sup>3</sup>) of mixed low-level and low-level waste (MLLW/LLW) for treatment and disposal. As of Aug. 26, 1,992 m<sup>3</sup> have been shipped of which 1,628 m<sup>3</sup> have been treated and disposed and 364 m<sup>3</sup> are at offsite treatment facilities awaiting processing. Recent shipments include:

- 1.9 m<sup>3</sup> of MLLW non-debris sent from the Central Waste Complex to Perma-Fix East
- 0.2 m<sup>3</sup> containing a drum from the transuranic waste repackaging activities at Perma-Fix Northwest
- 0.4 m<sup>3</sup> of LLW debris sent for volume reduction and radiological stabilization.
- 11.2 m<sup>3</sup> of MLLW debris to undergo treatment by macro-encapsulation.

These shipments are part of CH2M HILL's effort to help remove or manage legacy waste and fuels at the Hanford Site. Earlier this year, CH2M HILL surpassed its Recovery Act goal to ship 1,800 m<sup>3</sup> by the end of September 2011.

