



# RECOVERY ACT *UPDATE*

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## ***New door streamlines equipment and waste removal at PFP***



Crews installed a new roll-up freight door with an inflatable seal at the 234-5Z building at PFP. The new door, Door 135A, will allow some of the glove boxes and other waste containers being removed from the facility to be directly loaded into end-loading transport containers rather than transported out of the building, moved across the yard on a fork lift, and lifted into top-loading containers with a crane. The door will streamline equipment and waste removal while increasing worker safety by limiting handling.

## **Clearing a path to prepare PFP for demolition**



Whether it is removing glove boxes and laboratory hoods or sinks and systems, CH2M HILL Plateau Remediation Company (CH2M HILL) is putting American Recovery and Reinvestment Act (Recovery Act) dollars to work, accelerating activities to prepare the Plutonium Finishing Plant (PFP) complex for demolition years ahead of the 2016 Tri-Party Agreement milestone.

Decommissioning and demolition (D&D) crews are busy throughout the 234-5Z and 291-Z buildings at PFP, removing equipment and systems that will provide access to areas planned for D&D and clear paths for the removal of glove boxes and laboratory hoods.

In recent weeks, crews removed sinks and safety showers that are no longer of service as well as sections of steam piping and asbestos insulation. To date, insulators have removed asbestos insulation from more than 7,600 feet of piping and ductwork with funding from the American Recovery and Reinvestment Act.



D&D crews are also preparing to begin removal of the process vacuum system, which includes over 5,000 feet of highly contaminated piping that runs throughout the 234-5Z and 291-Z buildings. Workers are conducting non-destructive assay of the piping and training on their procedures and hazard controls using mock-up configurations. Removal of the first sections of piping is expected to begin in March.

## **Recovery Work *UPDATE* "Putting People to Work"**

### ***Contracts***

**\$309M**  
Contracts awarded

*As of Jan. 31, 2010*

### ***Employment***

**2,561**  
Lives touched

*As of Jan. 31, 2010*

### ***Awards***

**61%**  
Contracts awarded to small businesses

*As of Jan. 31, 2010*



**Watch it!**  
Check out videos and photos from CH2M HILL and other Hanford Recovery Act projects online at [www.hanford.gov/recovery](http://www.hanford.gov/recovery)





## Demolition of the 183.2KW basin floor begins



The 183.2KW Sedimentation Basin is hardly recognizable these days – a majority of the internal structures and the east and west walls are gone and crews are demolishing the basin floor. Crews

loaded the metal debris into roll-on/roll-off containers for shipment to the Environmental Restoration Disposal Facility and the remaining debris is being staged for future use on other projects.

While demolition activities continue in the K West area, workers in the K East area constructed a mock-up glove box to train workers for upcoming core sampling activities at the K East Reactor. The mock-up glove box provides a controlled,



non-radiological environment that simulates conditions workers will encounter during the actual sampling, which is expected to begin this spring.

## Access road finished for the new Container Maintenance Facility

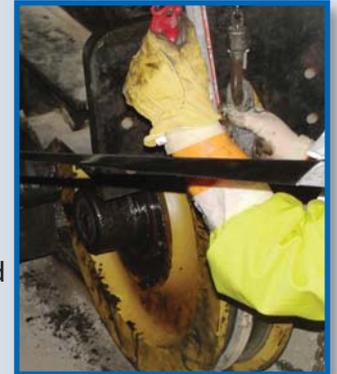
Construction of the access road for the Container Maintenance Facility is complete. Workers finished leveling, placing and compacting the top course material for the access road, bringing it to final grade. A culvert



pipe was installed to prevent accumulation of rain and snow melt and to protect the road from erosion. Workers are also busy inside the facility, sealing the facility floor with a protective coating and finishing installation of the electrical system. When operational this spring, the facility will serve as a central storage and maintenance facility for the 400 containers procured with Recovery Act funding to help transport CH2M HILL's waste.

## Wheel replaced on the U Canyon crane

Replacing a 600-pound wheel and bearing on equipment located nearly 28 feet above ground is no small feat but workers replaced the unit on the U Canyon crane and will return the crane to service next week. When the U Canyon was in operation, the crane was used to remotely lift cell cover blocks and equipment and to support operation and maintenance of the uranium recovery processes within the canyon. Today, the crane's primary task is to help prepare the canyon for demolition by relocating equipment from the canyon deck into the below-grade process cells, where it will be grouted into place. To date, approximately 70 percent of the larger mapped items have been placed in the cells.



## Planning walk downs conducted at 209-E Criticality Mass Laboratory



CH2M HILL is beginning to prepare the 209-E Criticality Mass Laboratory for demolition. The facility once supported nuclear criticality and safety activities and is currently considered a nuclear facility. Last week, workers began conducting walk downs to plan for upcoming activities within the building, including removal of miscellaneous waste and general housekeeping. Altogether in the 200 East Area near the center of the Hanford Site, CH2M HILL is preparing the 209-E building as well as nine industrial facilities for demolition. Removing these aging facilities will help reduce environmental and worker risk and reduce mortgage costs on buildings that are no longer of service.