

# RECOVERY ACT UPDATE

**September 16, 2011** 

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## Shoreline recontoured at 100K Area



With the 181-KE and 181-KW river pump houses removed from the banks of the Columbia River, CH2M HILL subcontractor Watts Construction placed rock from approved sources at the building sites, recontouring the Columbia River shoreline where the 4,500-square-foot buildings once stood. Removing the facilities included building a protective berm of 7,000 cubic yards of rock to provide a foundation for the work activities and protect the river from debris during demolition, then placing 1,000 cubic yards more at each site after demolition was completed. Crews also removed, size reduced and disposed of six 39,000-pound pumps from each pumphouse that together once pulled more than 200,000 gallons a minute from the river to support reactor cooling when the reactors were operational. To see video footage of the river pump house removal, visit www.youtube.com/hanfordplateau.

### Goal complete for 100K Area demolition



its American Recovery and Reinvestment Act (Recovery Act) goal to demolish 15 facilities at Hanford's 100K Area along the Columbia River. Since April 2009, CH2M HILL has demolished a total of 25 facilities in the 100K Area and with Recovery Act funds.

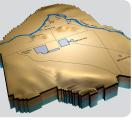
In recent weeks, CH2M HILL demolition crews completed demolition and loadout of the 183.4-KE and 183.4-KW Clearwells, 183.3-KE Filter Basin and 1720-K Main Administrative Office Building.

Decades ago, the facilities supported the K East and K West plutonium production reactors. Removing the facilities helps reduce the cleanup area around the K Reactors and reduces surveillance and maintenance costs on facilities that are no longer of service.



### Recovery Work FAST FACTS

Footprint Reduction 258
Square Miles



Awards
52%
Contracts
Awarded to
Small Business







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The following chart outlines CH2M HILL's progress on some of its main Recovery Act work goals. For information about CH2M HILL's overall progress, including weekly Recovery Act reports and videos, visit www.plateauremediation.hanford.gov or contact chprcc@rl.gov.

#### PLUTONIUM FINISHING PLANT D&D

130 **Remove 174 Gloveboxes** 174 Gloveboxes Ready 20 Ancillary Structures for Demolition 28 Structures

#### **SOLID WASTE STABILIZATION & DISPOSITION**

Ship 1,800 m³ Mixed and Low-Level Waste for Treatment	2,036 m³
Retrieve 2,500 m³ Suspect Transuranic (TRU) Waste	2,384 m³ 2,500 m³
Repackage 850 m³ TRU Waste for Waste Isolation Pilot Plant	1,226 m³
Retrieve 50 m³ of suspect Remote-Handled TRU Waste	84 m³
Disposition 2,000 m³ of Contact-Handled TRU Waste	2,510 m³

#### **SOIL & GROUNDWATER REMEDIATION**

Install 243 Wells/Boreholes	281 Wells
Install 22 Wells (including 5 Tri-Party Agreement Wells) to Support 200 West Groundwater Treatment Facility	22 Wells
Decommission 280 Wells/Boreholes	280 Wells
Construct 200 West Groundwater Treatment Facility	97% 100%
Construct 100-DX Groundwater Treatment Facility	100%

#### **NUCLEAR FACILITY D&D**

U Plant Canyon Demolition	Continued Grouting	of Cells
Complete D&D of 16 Facilities on the Central Plateau	22 Facilities Overall (14 KPP* Facilities)	16 Facilities
Complete D&D of 18 Facilities in the Outer Zone		27 Facilities
Remediate 24 Waste Sites		41 Waste Sites
Disposition 15 Railcars		16 Dispositioned

#### **100K AREA REMEDIATION**

Complete D&D of 15 Facilities 25 Facilities **Remediate 23 Waste Sites** 48 Waste Sites



the total number completed with Recovery Act funds. "Completed" marks that CH2M HILL has completed a KPP.



