

CH2M HILL PLATEAU REMEDIATION COMPANY

RECOVERY ACT UPDATE

August 18, 2011

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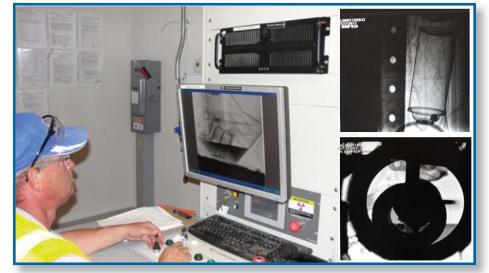
Demolition of the 1717-K Maintenance Shop



Demolition of The 1717-K Maintenance Shop, one of the last 100-K buildings to be demolished with Recovery Act funds, is complete, with loadout of debris ongoing. Demolition continues on the 190-KE Main Pump House, the 183.3-KE Filter Basins and the 181-KW and 181-KE River Pumphouses.



Equipment certified for use in characterizing waste for disposal at WIPP



The Department of Energy (DOE) Carlsbad Field Office (CBFO), along with the Environmental Protection Agency (EPA) and the State of New Mexico, certified a high-energy real-time radiography (HERTR) unit that will be used to characterize transuranic (TRU) waste prior to disposal at the Waste Isolation Pilot Plant (WIPP).

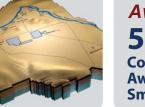
CH2M HILL in partnership with the Central Characterization Program (CCP) utilized American Recovery and Reinvestment Act funding to design and install the HERTR unit at the Waste Receiving and Processing (WRAP) Facility in the 200 West Area of the Hanford Site. The HERTR performs nondestructive examinations using x-ray technology to characterize TRU waste packaged in standard waste boxes (SWB) and 55-gallon waste drums. The x-ray characterization of the waste containers is required prior to disposal at WIPP in Carlsbad, New Mexico.

The HERTR unit is more than 10 times more powerful than the current WRAP x-ray units. It is able to penetrate dense materials while still being able to produce high-quality x-ray video images of the containers' contents.

Thanks to Recovery Act funding, the HERTR unit has become a DOE asset to be used in the future to examine dense material and preclude the need to visually examine the waste prior to disposal.

Recovery Work FAST FACTS





Awards 54% Contracts Awarded to Small Business



Videos Weekly Progress Available Online youtube.com/hanfordplateau



Check out videos and photos from CH2M HILL and other Hanford Recovery Act projects online at www.hanford.gov/recovery





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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

Remove 174 Gloveboxes	130	174 Gloveboxes 🔶
Ready 20 Ancillary Structures for Demolition		25 Structures

SOLID WASTE STABILIZATION & DISPOSITION

Ship 1,800 m ³ Mixed and Low-Level Waste for Treatment		1,950 m³ 🙀
Retrieve 2,500 m ³ Suspect Transuranic (TRU) Waste	1,961 m ³	2,500 m ³
Repackage 850 m ³ TRU Waste for Waste Isolation Pilot Plant		1,100 m³
Retrieve 50 m ³ of suspect Remote-Handled TRU Waste		84 m³ 🌐
Disposition 2,000 m ³ of Contact-Handled TRU Waste		2,133 m³

m³ = cubic meters

SOIL & GROUNDWATER REMEDIATION

Install 243 Wells/Boreholes			281 Wells
Install 22 Wells (including 5 Tri-P	arty Agreement Wells) to S	Support 200 West Groundwater Treatment	t Facility 22 Wells
Decommission 280 Wells/Boreho	les		280 Wells
Construct 200 West Groundwate	r Treatment Facility	89%	100% 🔶
Construct 100-DX Groundwater	Freatment Facility		100%
	NUCLEAR F	FACILITY D&D	
U Plant Canyon Demolition	Continu	ed Grouting of Cells	Demolition Ready
Complete D&D of 16 Facilities of	n the Central Plateau	22 Facilities Overall (14 KPP* Facilitie	s) 16 Facilities 🔶
Complete D&D of 18 Facilities in	the Outer Zone		27 Facilities
Remediate 24 Waste Sites			36 Waste Sites
Disposition 15 Railcars			16 Dispositioned
	100K AREA	REMEDIATION	
Complete D&D of 15 Facilities	15 Facil	lities Overall (13 KPP* Facilities)	15 Facilities 🔶
Remediate 23 Waste Sites			47 Waste Sites
*Key Perfo	rmance Parameters (KPP) are specific ite	Target Completed ms (wells, buildings, etc.) included in the Target. "Overall" indicates . "Completed" marks that CH2M HILL has completed a KPP.	



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