



# Weekly Progress



AMERICAN RECOVERY & REINVESTMENT ACT

Week Ending May 20, 2011



CHPRC-01379

Contract DE-AC06-08RL14788  
Modification MO47

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## OVERVIEW

CH2M HILL Plateau Remediation Company (CHPRC) is using funds from the American Recovery and Reinvestment Act (Recovery Act) to accelerate critical environmental cleanup across the Central Plateau and the 100K Area along the Columbia River to help pursue the U.S. Department of Energy (DOE) “2015 Vision” to shrink the Hanford Site cleanup footprint.

### RL-0011 PLUTONIUM FINISHING PLANT D&D

CHPRC is accelerating critical decontamination and decommissioning work to cleanout and prepare the Plutonium Finishing Plant (PFP) for demolition ahead of the Tri-Party Agreement milestone of September 2016.

### RL-0013 SOLID WASTE STABILIZATION & DISPOSITION

CHPRC is accelerating cleanup of Hanford’s legacy waste and fuels, including retrieving, repackaging, and shipping transuranic (TRU) waste and shipping mixed low-level waste (MLLW) and low-level waste (LLW) for treatment and/or disposal.

### RL-0030 SOIL & GROUNDWATER REMEDIATION

In the ongoing effort to protect the Columbia River, CHPRC is constructing two groundwater treatment facilities; installing 265 wells for monitoring, extracting, and remediating groundwater; and decommissioning 280 wells that are no longer of service.

### RL-0040 NUCLEAR FACILITY D&D REMAINDER OF HANFORD

Across the Central Plateau and along the outer zone of the Hanford Site, CHPRC is remediating 24 waste sites and decommissioning and demolishing (D&D) 34 facilities to reduce mortgage, surveillance, and maintenance costs on buildings that are no longer of service. The scope also includes cleanup along the outermost edges of the Hanford Site at the Arid Lands Ecology (ALE) Reserve and North Slope, preparing the U Plant for a first-of-its-kind canyon demolition, and preparing to disposition radioactive railcars in the 200 North Area.

### RL-0041 100K AREA REMEDIATION

CHPRC is demolishing 15 reactor support facilities and sampling and/or remediating 23 waste sites to shrink the cleanup footprint of two reactors, K East and K West, located in the 100K Area along the Columbia River.

## For More Information

To find out more about Recovery Act progress at the Hanford Site, visit [www.hanford.gov/recovery](http://www.hanford.gov/recovery).

For information about CHPRC, including weekly Recovery Act newsletters and videos, visit [www.plateauremediation.hanford.gov](http://www.plateauremediation.hanford.gov) or contact [chprcc@rl.gov](mailto:chprcc@rl.gov).

## SUMMARY

The following chart outlines CHPRC’s progress on its main Recovery Act work goals. Progress on subprojects and other Recovery Act-funded activities are detailed throughout this report and accompanied by a short progress video available on [www.youtube.com/hanfordplateau](http://www.youtube.com/hanfordplateau).

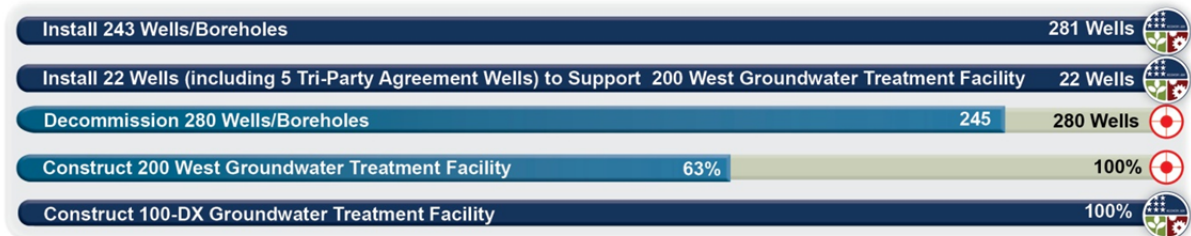
### PLUTONIUM FINISHING PLANT D&D



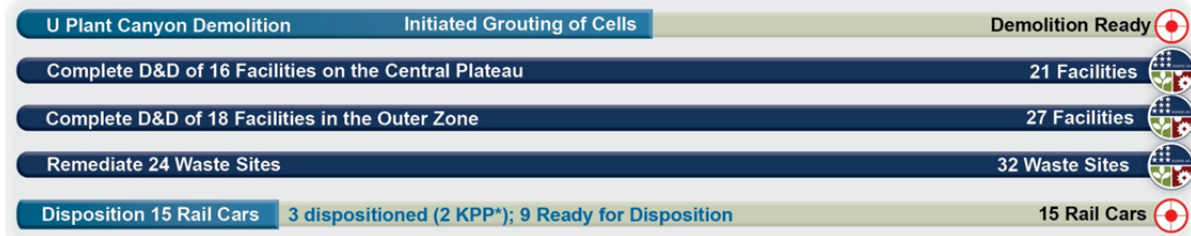
### SOLID WASTE STABILIZATION & DISPOSITION



### SOIL & GROUNDWATER REMEDIATION



### NUCLEAR FACILITY D&D



### 100K AREA REMEDIATION



\*Key Performance Parameters (KPP) are specific items (wells, buildings, etc.) included in the Target. "Overall" indicates the total number completed with Recovery Act funds. "Completed" marks that CH2M HILL has completed a KPP.

## ACCOMPLISHMENTS

### RL-0011 Nuclear Materials Stabilization & Disposition

RL-0011.R1: Plutonium Finishing Plant D&D

ACTIVITY	PFP WASTE REMOVAL & DISPOSITION	
	<i>Week of May 20, 2011</i>	<i>Completed to Date with Recovery Act Funding</i>
Gloveboxes/hoods removed or dispositioned in place	-	124 gloveboxes/hoods
Add'l gloveboxes ready for removal/size reduction	-	2 gloveboxes/hoods
MLLW/LLW shipped	23 m <sup>3</sup>	2,637 m <sup>3</sup>
TRU shipped	10 m <sup>3</sup>	572 m <sup>3</sup>
Non-radioactive waste shipped	-	24 m <sup>3</sup>
Process transfer line removed	-	491 feet
Process vacuum system piping removed	-	1,210 feet
Asbestos removed	103 feet	14,319 feet

The PFP Closure Project attained another significant milestone in safety performance, completing over 1 million work hours without an Occupational Safety and Health Administration-recordable injury. The project has now accumulated over 1.5 million hours without a lost workday injury.

#### *Process and Laboratory Areas*

Area cleanout was completed for the Radioactive Acid Digestion Test Unit (RADTU) process area and the area was turned over to waste operations for future use. A walk-down was conducted of the Plutonium Process Support Laboratory (PPSL) to identify work remaining to meet the criteria for having the rooms ready for demolition; this completes the walk-downs for all of the laboratory areas. Work was initiated on general area cleanout of the Analytical Laboratories, and work planning is under way for cleanout of the Standards Laboratory.

Glovebox removal work is ongoing in the PPSL and the Remote Mechanical A and C (RMA/RMC) Line process areas. In the PPSL area, one work team initiated removal of a protruding filter box from glovebox 188-1 to reduce interferences that might be encountered in loading it for shipment, and work planning for the door/wall modifications needed to remove it from 234-5Z building was completed. The other PPSL D&D team began cleanout of the final glovebox in the laboratory, glovebox 179-1.

In the RMA Line, a final coating of fixative was applied inside room 232A, the hydrogen fluoride scrubber cell, and the entry containment was dismantled to support use of room 232 for glovebox removal work in adjacent areas. Fixative was also applied to the interior of four gloveboxes that were chemically decontaminated last week to ready them for separation from building ventilation.



Photo 1

Workers prepare the last glovebox in room 179 of the Plutonium Process Support Laboratory (PPSL) at the Plutonium Finishing Plant. A walk-down was conducted to identify work remaining to meet the criteria for having the PPSL rooms ready for demolition.

#### *2736-Z/ZB Vault Complex*

Coupon sampling of ventilation ductwork continued in the 2736-ZB building. The vault D&D team has removed a significant portion of the ductwork known to require removal, including all of the ductwork from room 636, most of the emergency exhaust line and approximately one-third of the auxiliary exhaust line. Radiation surveys were completed throughout the facilities, and a summary report is being compiled to support both a declaration that the complex is “operationally clean” and a request to the Fire Marshall to authorize deactivation of the fire detection and suppression system. Planning for electrical isolation of the four vault buildings and two ancillary structures is nearing completion. Final electrical isolation is currently planned for early June, with field demolition to begin in July.

#### *Infrastructure, support systems, and equipment removal*

The size reduction team completed size reduction of glovebox HA-22B and transferred the last few sections to waste operations for disposal as TRU waste. The team then placed the room 172 size reduction station in a safe condition, and relocated to the RMC Line to prepare for in-situ size reduction of gloveboxes HC-227S and -227T.

Five gloveboxes previously removed from the PPSL were removed from the 234-5Z building, and loaded for shipment to Perma-Fix Northwest (PFNW) and the Environmental Restoration Disposal Facility

(ERDF), including gloveboxes 179-6, -9, -10, -11, and -12. Gloveboxes HA-21I, conveyor HC-4, two sections of the HC-3 conveyor, and two sections of the HA-28 conveyor (-28K and -28L) were also loaded for shipment to PFNW. Waste drums containing size-reduced sections of the WT-4 and -5 gloveboxes removed from the 242-Z building were shipped for disposal as TRU waste. Work documents were completed to support removal of more than 250 final HEPA filters from two deactivated filter rooms, which will be performed by PFP maintenance resources with support from the process vacuum system removal team.



*A section of glovebox 179 removed from the Plutonium Process Support Laboratory at the Plutonium Finishing Plant is prepared to be loaded into a container for shipment and disposal.*

Photo 2



Photo 3

A section of glovebox is loaded into a container for shipment and disposal. The glovebox was removed from room 179 of the Plutonium Process Support Laboratory at the Plutonium Finishing Plant.

## RL-0013 Solid Waste Stabilization & Disposition

RL-0013C:R1.1: Mixed Low-Level Waste/Low-Level Waste Treatment

ACTIVITY	SOLID WASTE STABILIZATION & DISPOSITION
Ship 1,800 m <sup>3</sup> of MLLW/LLW for treatment and disposal	<i>Total Completed with Recovery Act funds</i>
	<ul style="list-style-type: none"> <li>• 1,559 m<sup>3</sup> shipped               <ul style="list-style-type: none"> <li>○ 1,180 m<sup>3</sup> treated and disposed</li> <li>○ 379 m<sup>3</sup> at offsite treatment facilities awaiting processing. Treatment is scheduled for FY11</li> </ul> </li> </ul>

Five shipments to PFNW were completed. Two shipments including one large box (17.9 m<sup>3</sup>) and two drums (0.416 m<sup>3</sup>) left the Central Waste Complex (CWC) and one shipment from the Waste Retrieval Project (WRP) included 30 drums (6.2 m<sup>3</sup>) – these three shipments contained MLLW debris and were shipped to PFNW to undergo macro-encapsulation. Two more shipments left CWC containing 14 drums (2.7 m<sup>3</sup>) of LLW debris. This debris will be volume reduced and undergo radiological stabilization. Processed waste from all five shipments will be returned to the Hanford Site for disposal in the mixed waste disposal units at the low-level burial grounds.



## RL-0013C:R1.2: Transuranic Waste

ACTIVITY	SOLID WASTE STABILIZATION & DISPOSITION <i>Total Completed with Recovery Act funding</i>
Retrieve 2,500 m <sup>3</sup> of suspect TRU waste	<ul style="list-style-type: none"> <li>• 568 m<sup>3</sup> are staged, pending shipment</li> <li>• 1,115 m<sup>3</sup> shipped to a treatment, storage, or disposal facility</li> </ul>
Retrieve 50 m <sup>3</sup> of suspect remote-handled TRU waste	<ul style="list-style-type: none"> <li>• 12 m<sup>3</sup> are staged, pending shipment.</li> <li>• 72 m<sup>3</sup> shipped to a treatment, storage, or disposal facility</li> </ul>

At Trench 17 of the 3A burial ground, Box 27 (59.5 m<sup>3</sup>) was removed and the installation of shoring box walls and the roof was completed in preparation for shipment. Box 26 (43.5 m<sup>3</sup>) was shipped to CWC and Box 16 (17.3 m<sup>3</sup>) was shipped to PFNW using the Retrieval Special Packaging Authorization. Box 80 was fogged for contamination control, the wood cover was removed, and excavation continued. Workers completed repairs on Box 23 in preparation for shipment to CWC and continued development of a work package and procurement of materials for Box 14 repairs.

At 4B burial ground, Box 14 and a culvert (20.1 m<sup>3</sup>) were shipped to CWC and construction began on the berm to bring the crane into Trench 11.

At the 12B burial ground, 48 drums (10 m<sup>3</sup>) were removed from Trench 17 and excavation continued in Trench 17 to expose drums for removal. Eight 8 x 4 x 4 ft. boxes containing six LLW drums each and one TRU filter in an 8 x 4 x 4 ft. box were loaded for shipment to PFNW. Five 8 x 4 x 4 ft. boxes containing six 55-gallon drums each of LLW were shipped to PFNW. Sixty-two drums were assayed in the Gamma Assay System and two bags of waste were removed from Trench 27 in preparation for removing the remaining suspect TRU waste.



Photo 4

Workers perform a critical lift of Box 27 onto a shoring base in Trench 17 of the 3A burial ground.



Photo 5

*Box 27 is removed from Trench 17 of the 3A burial ground by a crane.*



Photo 6

*The IP-1 "Top Hat" cover is lowered over Box 26 from Trench 17 of the 3A burial ground in preparation for shipment to the Central Waste Complex.*

*TRU Repackaging & Shipments*

ACTIVITY	SOLID WASTE STABILIZATION & DISPOSITION <i>Total Completed with Recovery Act funding</i>
Repackage 850 m <sup>3</sup> of WIPP certifiable TRU waste	• 900 m <sup>3</sup> have been repackaged
Disposition 2,000 m <sup>3</sup> of contacted-handled TRU waste	• 1,561 m <sup>3</sup> have been disposed

A total of 10 drums were repackaged at T Plant this week. In conjunction with the Central Characterization Program, three TRUPACT-II shipments left the Hanford Site bound for the Waste Isolation Pilot Plant (WIPP), for a total of 186 shipments completed since shipments resumed in March 2010.

One shipment (17.3 m<sup>3</sup>) containing one box of TRU debris was shipped from WRP to PFNW this week. The waste will be repackaged into standard waste boxes and returned to the Hanford Site for WIPP certification activities.

**RL-0030 Soil & Groundwater Remediation, Groundwater/Vadose Zone**

RL-0030.R1: Central Plateau Soil & Groundwater

ACTIVITY	<i>Week of May 20, 2011</i>	<i>Complete to Date with Recovery Act funds</i>
Install 265 wells and/or boreholes along the river and in the Central Plateau	--	303
Decommission 280 old wells and boreholes that are no longer of service	10 wells completed	245
Construct the 200 West Groundwater Treatment Facility	63% complete	

*200 West Groundwater Treatment Facility*

Recent construction of the process and transfer facilities included (listed by facility):

- *Process buildings*
  - Radiological Building: Ongoing activities include instrumentation and controls rough-in; process piping rough-in overhead as well as in the trenches; lighting and power conduits overhead; installation of exterior transformers; and rough-in heating, ventilation, and cooling units. Installation of steel insulation for sump pumps continued.
  - Bio-Process Building: Installation of electrical panels, switchgear, fire alarm, lightning protection and exterior transformers continued. Installation of the C- and A-line utility racks process piping continued. The fire protection wet system installation continued. Canopy slab on grade is complete and sulfuric acid tanks (for placement under the canopy) were delivered to site. Installation of epoxy coatings for the chemical storage room continued. Monorail installation in the waste handling area continued. Installation of stairs/handrails for the mezzanines and installation of the mechanical pad for the main air handler unit were initiated.
  - Bio Pad: Installation of vapor off-gas ductwork and blower equipment continued as did installation of racks and panels, conduit, sleeves, cabling for lightning protection, and disconnects for an overhead crane. Installation of the overhead crane rails was initiated.
- *Transfer buildings*
  - Extraction Building #1: Construction acceptance testing continued.
  - Extraction Building #2: Permanent power was installed from the transformer to main service disconnect. Construction acceptance testing was initiated on mechanical, electrical, and process elements of the building.
  - Injection Building #1 & #2: Installation of service gears, piping, and/or pumps continued.



Photo 7

Epoxy coating is being applied in the chemical storage room of the Biological Process Building of the 200 West Groundwater Treatment Facility.

## RL-0040 Nuclear Facility D&D – Remainder of Hanford

### RL-0040.R1.1: U Plant/Other D&D

#### CENTRAL PLATEAU FACILITIES DEMOLISHED WITH RECOVERY ACT FUNDS

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• 211U Cold Chemical Makeup Tank Farm</li> <li>• 211UA Cold Chemical Makeup Tank Farm Addition</li> <li>• 203UX Gas Storage Facility</li> <li>• 2701M Office Bldg</li> <li>• 272E Fabrication, Mockup Shop Bldg</li> <li>• 2716E Power Maintenance Storage Bldg</li> <li>• 2722W Welding Laboratory Bldg</li> <li>• 224UA UO3 Calcination/Load-out Facility</li> <li>• 2710W Coal Handlers Shed*</li> <li>• 2701EC 209-E Guard Station*</li> <li>• 2902E Water Storage Tank*</li> </ul> | <ul style="list-style-type: none"> <li>• 2734EA Gas Cylinder Storage Bldg</li> <li>• 275E Carpenter Shop Bldg</li> <li>• MO104 Mobile Office</li> <li>• MO405 Mobile Office</li> <li>• MO840 Mobile Office</li> <li>• X8 Motor Car Shed</li> <li>• 224U UO3 Plant Concentration/Load-out Bldg</li> <li>• 284WB Package Boiler Plant</li> <li>• 209EA 90 Day Storage Pad*</li> <li>• 2902W Water Storage Tank*</li> </ul> |
| <p><b>TOTAL: 108,951 square feet</b></p>   |  |

#### PLANNED FOR D&D/IN PROGRESS

- 284E Power House & Steam Plant
- 209E Critical Mass Laboratory
- 284W Power House & Steam Plant

\*Not part of the Key Performance Parameter

### U Canyon

CHPRC crews continue to prepare to begin pouring grout into U Canyon cells, beginning with Cell 10. At 48 feet deep, Cell 10 is the deepest of the canyon cells, and beginning grout pours there will facilitate

filling of canyon void spaces as grouting progresses throughout the canyon. “Tap-and-drain” removal of hazardous process chemicals in the canyon’s pipe galleries continued.

#### *U Plant Ancillary Facilities*

Closure documentation is being prepared.

#### *200 East Core Industrial Area*

At the 284-E Power House demolition site, CHPRC demolition crews began demolition and processing of two of the structure’s remaining five boilers, using heavy equipment to cut away supports and lower the structures to the ground.



Photo 8

*Heavy equipment lowers the first of the five remaining boilers at the 284-E Power House on May 20.*

#### *200 West Area Industrial Facilities*

Asbestos abatement continued inside the 284-W Power House building.

#### *209-E Criticality Mass Laboratory*

CHPRC crews are size-reducing glovebox HO-230 for removal as internal safety reviews continue on the procedure for the upcoming removal of the structure’s slab tanks, the last major step before the 209-E facility is downgraded to a Less Than Hazard Category 3 (non-nuclear) facility and ultimately demolished.

## RL-0040.R1.2: Outer Zone D&amp;D/Waste Sites

## OUTER ZONE FACILITIES DEMOLISHED WITH RECOVERY ACT FUNDS

212N Storage Building	6652M Fallout Laboratory
212P Electrical Storage & Transformer Shop	6652R Acid Storage Shed
212R Storage Building	6652C Space Science Laboratory
614 Monitor Station	6652CSHED Storage Building
646 Radioecology Field Laboratory	6652D Pump House
6652G ALE Field Storage Building	6652T Fire Protection Lower Pump House
6652H ALE Laboratory 1	6652U Rattlesnake Mountain Upper Pump House
6652I ALE Headquarters	623A Plant Radio Relay Bldg
6652J ALE Laboratory II	T520-6 Navy MARS Radio Station
6652S Sentry Shed*	6631 Radio Telescope Pedestal*
6634 ENW Tower and Building*	6630 Hodges Well Pumphouse*
6635 Crown Castle/Cingular Tower and Building *	6636 Columbia Communication Tower and Building*
6637 Tri City Amateur Radio Tower and Building*	6633 Franklin County Communication Building*
6632 Verizon Telephone Enclosure*	<b>TOTAL: 62,748 square feet</b>

\*Not part of the Key Performance Parameter

*North Slope Debris Removal*

Personnel with CHPRC subcontractor Sealaska Environmental Services have now completed cleanup of Areas 12, 13, 15, 16, and 18 as crews await the completion of cultural and environmental reviews of remaining debris sites.

*Arid Lands Ecology Reserve*

Revegetation of cleared sites on ALE is ongoing while closure documentation for removal of facilities from the area is prepared.

*D&D of Railcars Located on the 212-R Rail Spur*

CHPRC crews and subcontractor Clauss Construction successfully delivered both locomotives to the B Reactor Preservation Project and placed them onto a stretch of track in front of the reactor for viewing by visitors to the site.





Photo 9

*Workers prepare the wheels of the already-dispositioned flatcar for shipment to the Environmental Restoration Disposal Facility for disposal.*

### Waste Sites

The following table showcases CHPRC's recent progress in outer zone waste remediation.

WASTE SITE IN PROGRESS	TONS OF CONTAMINATED SOIL REMOVED	
	Week Ending May 20, 2011	Total to Date with Recovery Act funds
BC Control Area	9,900	423,400

Recent activities regarding the outer zone waste sites included (listed by operable unit or site):

- **200-MG-1**
  - 600-40: Excavation activities are complete. Backfill is anticipated in May.
  - 600-218: Remediation activities are complete, contingent on sampling. Preliminary sample results of verification field sampling are favorable; no backfill is required.
  - 600-220: Laboratory analysis of verification sampling is being performed.
  - 600-228: A cultural report is being reviewed and anticipated to be approved in June. Evaluation indicated this area may have sampling and excavations performed without affecting culturally sensitive areas. Excavation activities are in process.
  - 600-281: Field excavation activities are complete. Verification sampling occurred last week.
  - 600-282: Initial remediation is complete pending sampling results. Backfill material is staged.
  - 216-S-19: Direct push test sampling is complete. Laboratory results of surface sampling were analyzed revealing some elevated levels of contamination above the remedial action levels. Additional excavation is anticipated in late May or June.
  - 216-S-26: Initial excavation was completed pending sample validation last week. Sampling is anticipated in the first week of June.
  - 200-W-147-PL: Excavation is complete. Backfill is under way.
  - 200-W-33: Closure documentation is being reviewed.
  - 600-49: Evaluation indicated this area may have sampling and excavation performed without affecting culturally sensitive areas. Field activities for excavation are under way.
- **BC Control Area**
  - Radiological down-post surveys and localized spot removal are ongoing.

## RL-0041 Nuclear Facility D&D – River Corridor Closure Project

### RL-0041.R1.1: 100K Area Remediation

#### 100K AREA FACILITIES DEMOLISHED WITH RECOVERY ACT FUNDS

- |                                    |  |
|------------------------------------|--|
| • 183KW Chlorine Vault             | • 116KE Reactor Exhaust Stack          |
| • 183.1KW Headhouse                | • 118KE Horizontal Control Rod Storage |
| • 183.2KW Sedimentation Basin      | • MO048 Construction Lunch Trailer     |
| • 183.3KW Filter Basin             | • MO969 Ops/HPT Change Trailer         |
| • 183.7 KW Pipe Tunnel             | • 115KE Gas Recirculation              |
| • 110KE Gas Storage Facility       | • 185-K Potable Water Treatment Plant* |
| • 117KE Exhaust Air Filter Bldg    |  |
| <b>TOTAL: 428, 260 square feet</b> |  |

\*Not part of the Key Performance Parameter

#### PLANNED FOR D&D/IN PROGRESS

- |                         |                          |
|-------------------------|--------------------------|
| • 183.4KW Clearwell     | • 190KE Main Pump House  |
| • 190KW Main Pump House | • 1605KE Guard House     |
| • 183.4KE Clearwell     | • 181KE River Pump House |

### Facility D&D

At the 181-KW River Pump House Structure, CHPRC crews completed asbestos abatement and breakdown of the containment structure. Demolition and loadout continued at both 120,000-square-foot 183.4-KE and 183.4-KW Clearwells. Size-reduction and loadout continued of below-ground structures at the site of the demolished 183.1-KE Headhouse. At the 190-KE Main Pump House, asbestos abatement is now complete in preparation for the structure's demolition.



Photo 10

*Workers break down an asbestos abatement containment structure at the 181-KW River Pump House Structure.*



Photo 11

*Size reduction and loadout of demolition debris from the 183.1-KE Headhouse continues on the building's substructure. The Headhouse, a Key Performance Parameter building for fiscal year 2011, was part of the 183-KE Sedimentation Basin complex that once supplied treated water to support reactor operations.*



Photo 12

*Loadout of demolition debris continues inside the 120,000-square-foot below-ground 183.4-KW Clearwell.*

#### *Infrastructure Utilities Upgrade Project*

The new A-9 substation is fully energized and awaiting switchover by site utilities.

#### Waste Sites

CHPRC continued excavating the 100-K-53 waste site, the 100-KE Glycol Heat Recovery Underground Pipelines, with 3,570 tons removed so far this month and a total of 20,661 tons removed to date. For the 116-KE-1 waste site, the project is awaiting sampling results.

## UPCOMING EVENTS

### RL-0011 Nuclear Materials Stabilization & Disposition

RL-0011.R1: Plutonium Finishing Plant D&D

- Enlarge a doorway and transfer glovebox 188-1 to waste operations.
- Complete D&D and remove glovebox 179-1, the last remaining glovebox in the laboratory and backside vault areas.
- Remove or stabilize contaminated ventilation ductwork in 2736-ZB, complete electrical isolations and transfer the 2736-Z vault complex to CHPRC D&D for demolition.
- D&D the remaining gloveboxes in the RMA/RMC Line process areas.

- Complete final area cleanout in the Standards, Analytical, and Plutonium Process Support Laboratory areas.
- Remove more than 250 contaminated HEPA filters from deactivated 234-5Z final filter rooms 311 and 316.
- Continue removing process vacuum, process transfer piping, and asbestos insulation from throughout the 234-5Z building.

## RL-0013 Solid Waste Stabilization & Disposition

### RL-0013C:R1.1: MLLW Treatment

- One MLLW shipment (43.5 m<sup>3</sup>) planned from CWC to PFNW for treatment by macro-encapsulation.
- One MLLW shipment (10 m<sup>3</sup>) planned from WRP to PFNW for treatment by macro-encapsulation.

### RL-0013C:R1.2: TRU Waste

- TRU Retrieval
  - 3A burial ground
    - Ship Boxes 27 (59.5 m<sup>3</sup>) and 23 (54.4 m<sup>3</sup>) from Trench 17 to CWC.
    - Remove Box 80 from Trench 17 and complete the installation of shoring walls and roof.
    - Complete work package and begin repairs to Box 14 in Trench 17.
    - Remove, wrap, and ship contaminated stairs and complete final trench close-out surveys in Trench 8.
    - Continue container shipments from Trenches 8 and 17.
  - 4B/4C burial ground
    - Move crane from the 3A burial grounds to the 4B burial grounds for Trench 11 removal activities.
    - Remove two remaining remote-handled waste containers (3.6 m<sup>3</sup>) from Trench 11.
    - Remove large concrete box (46 m<sup>3</sup>) from 4B Trench 11.
    - Complete assay campaign #74.
  - 12B burial ground
    - Ship LLW to PFNW.
    - Remove waste drums from Trench 17.
    - Continue drum assay, venting, x-raying, and packaging waste for shipment.
- TRU Repackaging and Shipments
  - Two planned shipments.
- Suspect TRU Waste Shipments
  - Three TRU-mixed waste shipments (18.8 m<sup>3</sup>) planned from WRP to PFNW for repackaging.

## RL-0030 Soil & Groundwater Remediation, Groundwater/Vadose Zone

### RL-0030.R1: Central Plateau Soil & Groundwater

- Continue construction of the 200 West Groundwater Treatment Facility.
- Continue well drilling and decommissioning.

## RL-0040 Nuclear Facility D&D – Remainder of Hanford

### RL-0040.R1.1: U Plant/Other D&D

- Begin pouring grout into Cell 10 of U Canyon.
- Complete demolition and processing of the five boilers at the 284-E Power House.

**RL-0040.R1.2: Outer Zone D&D/Waste Sites**

- Continue debris removal on the North Slope.
- Continue revegetating cleared sites on the ALE Reserve.
- Wrap contaminated well cars for transport from the 212-R Spur.

**RL-0041 Nuclear Facility D&D – River Corridor Closure Project****RL-0041.R1.1: 100K Area Remediation**

- Continue loadout at the 183.4-KW and 183.4-KE Clearwells.
- Begin demolition of the 181-KE River Pumphouse structure.
- Continue excavating soil from and planning for remediation of 100K Area waste sites.