



Weekly Progress



AMERICAN RECOVERY & REINVESTMENT ACT

Week Ending May 13, 2011



CHPRC-01378

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 by 2013, three years 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.

For information about CHPRC, including weekly Recovery Act newsletters and videos, visit www.plateauremediation.hanford.gov or contact 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 is detailed throughout this report and accompanied by a short progress video available on www.youtube.com/hanfordplateau.

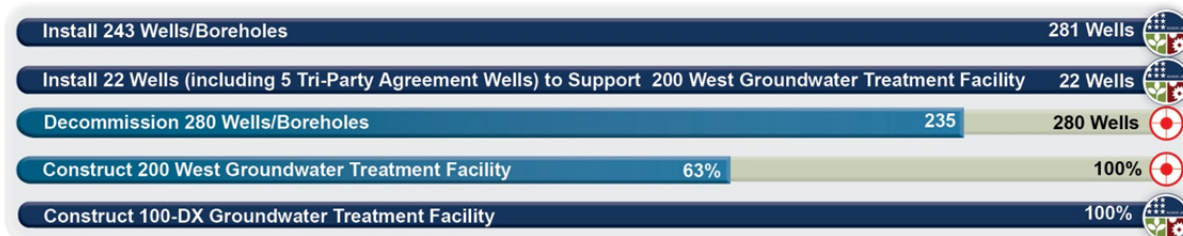
PLUTONIUM FINISHING PLANT D&D



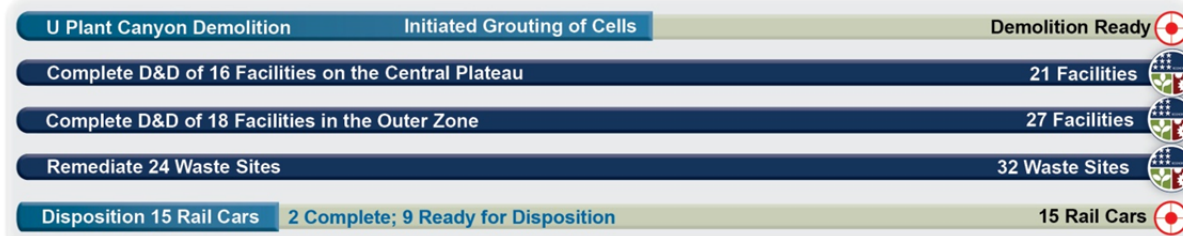
SOLID WASTE STABILIZATION & DISPOSITION



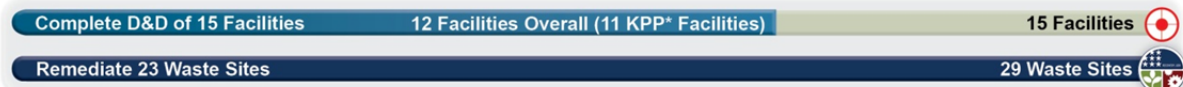
SOIL & GROUNDWATER REMEDIATION



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 13, 2011</i>	<i>Completed to Date with Recovery Act Funding</i>
Gloveboxes/hoods removed or dispositioned in place	7	124 gloveboxes/hoods
Add'l gloveboxes ready for removal/size reduction	-	2 gloveboxes/hoods
MLLW/LLW shipped	21 m ³	2,614 m ³
TRU shipped	8 m ³	562 m ³
Non-radioactive waste shipped	-	24 m ³
Process transfer line removed	-	491 feet
Process vacuum system piping removed	-	1,210 feet
Asbestos removed	42 ft	14,216 feet

Process and Laboratory Areas

The final punchlist item required to meet the Key Performance Parameter (KPP) completion criteria in the Radioactive Acid Digestion Test Unit (RADTU) process area was completed. The area was released to waste operations for future use. Preparation of work documents was initiated to support general area cleanout of the Standards and Analytical Laboratories where removal of gloveboxes/hoods is complete.

In the Plutonium Process Support Laboratory (PPSL), door/wall modifications were completed and six of the seven gloveboxes remaining in room 179 were transferred to waste operations; only one of the six will qualify for onsite disposal as LLW. Preparations were completed to begin D&D of the last of 21 gloveboxes originally in the laboratory.

In the Remote Mechanical C (RMC) Line, the last glovebox remaining in room 230C, the HC-4 conveyor glovebox, was removed and transferred to waste operations for shipment to Perma-Fix Northwest (PFNW). The team began preparations for D&D of the two gloveboxes and a 45-foot section of conveyor glovebox HC-2 in rooms 230A and 230B. In the Remote Mechanical A (RMA) Line, glovebox HA-21I and the last of seven sections of the 70-foot-long HA-28 conveyor glovebox were transferred to waste operations for disposal. One of the RMA Line D&D teams also completed chemical decontamination of four gloveboxes – HA-16L, HA-16BS, HA-16CS, and HA-15.

2736-Z/ZB Vault Complex

Steam supply was isolated from all of the vault complex facilities, beginning the final move toward a cold and dark condition. The vault D&D team supported removal of all six access denial units from the 2736-ZB vault complex. The team also continued coupon sampling of ventilation ductwork, with only one room remaining at week's end, to determine if additional ductwork will need to be removed or if it can be stabilized and left in place for demolition. One section of ductwork with high levels of contamination was previously removed from room 636, and preparations are under way to remove the emergency exhaust ductwork in room 642, which contained similarly high contamination levels.

Soil sampling at the former location of the Tk-701-12B underground diesel storage tank was completed, and the final samples were submitted for laboratory analysis; no indications of leakage were observed in the samples. The underground diesel storage tank Tk-701-12B and its associated fuel transfer lines were shipped to the Environmental Restoration Disposal Facility (ERDF) for disposal.



Photo 1

A worker isolates the steam supply from the Plutonium Finishing Plant 2736-ZB vault complex facilities, one of the last steps in bringing the facility to cold and dark condition. Demolition of the facility is scheduled to begin early this summer.

242-Z Americium Recovery Facility

The 242-Z D&D team completed a final application of fixative in the control room and de-energized temporary power supporting work in the building, completing layup of the facility for the rest of fiscal year 2011. The team is now working full-time preparing large glovebox HA-23S, the final glovebox in room 235B of the RMA Line, for decontamination and removal.

Infrastructure, support systems, and equipment removal

The size reduction team resumed size reduction in room 172 following incorporation of improved radiological controls in their work documents. Preparations are under way to also resume removal of

process vacuum piping and process transfer lines throughout the 234-5Z building following incorporation of additional radiological controls in those work documents.

A total of forty waste containers, with 21 cubic meters of LLW and 8 cubic meters of TRU waste, were shipped from PFP for treatment or disposal during the week.

Installation of two large trailer-mounted transformers was completed to support temporary power needs for the PFP facilities, and Mission Support Alliance (MSA) Electrical Utilities energized the transformers. The second of two large breathing air compressor trailers on the east side of the 234-5Z building was removed from the PFP area for transfer to MSA for reuse or excess.



Photo 2

The second of two large breathing air compressor trailers was removed from the Plutonium Finishing Plant (PFP) area for transfer to Mission Support Alliance for reuse or excess. These structures bring the total number of PFP ancillary structures readied for removal with Recovery Act funds to 25.

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 ³ of MLLW/LLW for treatment and disposal	<i>Total Completed with Recovery Act funds</i>
	<ul style="list-style-type: none"> • 1,528 m³ shipped <ul style="list-style-type: none"> ○ 1,138 m³ treated and disposed ○ 346 m³ at offsite treatment facilities awaiting processing. Treatment is scheduled for FY11

Two shipments (87 m³) of MLLW debris were shipped from the Central Waste Complex (CWC) to PFNW to undergo treatment through macro-encapsulation. The treated waste will be returned to the Hanford Site for disposal in the mixed waste disposal units at the low-level burial grounds.



Photo 3

Workers load a large box of mixed low-level waste (MLLW) debris into a shipping container at the Central Waste Complex to be transported to Perma-Fix Northwest for processing. The treated MLLW will be returned to the Hanford Site for disposal in the mixed waste disposal units.



Photo 4

Workers place the top portion of a transportation container on its base for another shipment of mixed low-level waste debris to Perma-Fix Northwest for treatment.

RL-0013C:R1.2: Transuranic (TRU) Waste

ACTIVITY	SOLID WASTE STABILIZATION & DISPOSITION <i>Total Completed with Recovery Act funding</i>
Retrieve 2,500 m ³ of suspect TRU waste	<ul style="list-style-type: none"> • 582 m³ are staged, pending shipment • 1,028 m³ shipped to a treatment, storage, or disposal facility
Retrieve 50 m ³ of suspect remote-handled TRU waste	<ul style="list-style-type: none"> • 11 m³ are staged, pending shipment. • 72 m³ shipped to a treatment, storage, or disposal facility

At Trench 17 of the 3A burial ground, workers installed plywood reinforcing walls around Box 26, removed the box (43.5 m³), and completed the shoring walls and roof around the box. Development of a work package to repair Box 14 continued and Box 17 (11 m³), the first Retrieval Special Packaging Authorization shipment, was sent to PFNW. The hand excavation for Box 27 (59.5 m³) was completed as was the installation of plywood-reinforced walls. In Trench 11 of the 4B burial ground, one concrete box (3 m³) was shipped to PFNW.

At the 12B burial ground, 51 drums were removed from Trench 27 and excavation revealed the remaining 23 drums in the trench. Three feet of overburden was excavated in Trench 17 and a ground-penetrating radar (GPR) scan was completed in preparation for removing the remaining overburden above the waste containers in the trench. The entire length of Trench 17 that contains suspect-TRU waste has been

excavated to a depth of at least three feet. Fifty-six drums were assayed in the Gamma Assay System, drums were overpacked into 8 x 4 x 4 ft. waste boxes, and a new drum storage pad was completed northwest of the existing pad.

TRU Repackaging & Shipments

ACTIVITY	SOLID WASTE STABILIZATION & DISPOSITION
Repackage 850 m ³ of WIPP certifiable TRU waste Disposition 2,000 m ³ of contacted-handled TRU waste	<i>Total Completed with Recovery Act funding</i> <ul style="list-style-type: none"> • 897m³ have been repackaged • 1,510 m³ have been disposed

Twelve drums were repackaged at T Plant and none at the Waste Receiving and Processing (WRAP) facility for a total of 12 drums repackaged this week. In conjunction with the Central Characterization Program, four TRUPACT-II shipments left the Hanford Site bound for the Waste Isolation Pilot Plant (WIPP), for a total of 183 shipments completed since shipments resumed in March 2010.

Two shipments (13.9 m³) containing two boxes of TRU debris were shipped from the Waste Retrieval Project (WRP) to PFNW this week. The waste will be repackaged into standard waste boxes (SWBs) and returned to the Hanford Site for WIPP certification activities.



Photo 5

Workers at the Waste Retrieval Project load a small concrete box into a Department of Transportation approved shipping container. This box contains transuranic waste that will be repackaged into standard waste boxes and returned to the Hanford Site for Waste Isolation Pilot Plant certification.

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

RL-0030.R1: Central Plateau Soil & Groundwater

ACTIVITY	WELL DRILLING & DECOMMISSIONING	
	Week of May 13, 2011	Complete to Date with Recovery Act funds
Install 265 wells and/or boreholes along the river and in the Central Plateau	Drilling Complete	303
Decommission 280 old wells and boreholes that are no longer of service	5 wells completed	235

CHPRC has completed its installation of groundwater wells with Recovery Act funds. CHPRC drilled a total of 303 wells, surpassing the KPP to install 265 by the end of fiscal year 2011. This includes 22 wells (5 per the Tri-Party Agreement) that will support the 200 West Groundwater Treatment Facility.

200 West Groundwater Treatment Facility

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 was initiated.
 - Bio-Process Building: Installation of electrical panels, switchgear, fire alarm, and exterior transformers continued. Installation of the C- and A-line utility racks process piping continued. The fire protection wet system installation continued. Installation of metal decking for the administrative and chemical storage areas is complete. Three concrete pours for the roof in those areas (approximately 100 cubic yards of concrete) is also complete. Installation of roll-up doors is complete. Outside, canopy slab-on-grade and trench concrete work continued. Installation of epoxy coatings for the chemical storage room was 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. Structural steel was completed in the Fluidized Bed Reactor area and the Membrane Biological Reactor area.
- *Transfer buildings*
 - Extraction Building #1: Construction acceptance testing continued.
 - Extraction Building #2: Installation of instrumentation and controls rough-in (control stands and instruments), piping, pump, conduit, and lighting continued.
 - Injection Building #1 & #2: Installation of service gears, piping, and/or pumps continued.



Photo 6

An aerial of the 200 West Groundwater Treatment Facility. Recovery Act-funded construction of the facility, which will be the largest pump-and-treat system at the Hanford Site – is approximately 63 percent complete.



Photo 7

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

TOTAL: 108,951 square feet

*Not part of the Key Performance Parameter

PLANNED FOR D&D/IN PROGRESS

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

U Canyon

Having filled sealed-off sections of both the North Electrical Gallery and North Piping Gallery with grout, CHPRC crews continued preparations to make their first grout pour into a canyon cell, 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 pipe galleries is in progress. A new employee parking lot was completed and CHPRC has closed the lot in front of 221-U to isolate the grout-truck haul road and increase safety around the building.

U Plant Ancillary Facilities

Closure documentation is being prepared.

200 East Core Industrial Area

At the 284-E Power House demolition site, debris cleanup in front of the building is complete. Site preparations continued for the upcoming demolition of the structure's remaining five boilers.



Photo 8

The 284-E Power House in March 2011 when demolition began on the Power House, following explosive demolition of the building's exhaust chimneys and baghouses.



Photo 9

The remains of the 284-E Power House in May 2011 after CHPRC demolished and cleaned up debris from everything but the building's five boilers. Demolition of the boilers will require the use of a crane and occur over the upcoming weeks.

200 West Area Industrial Facilities

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

209-E Criticality Mass Laboratory

CHPRC crews have completed the size-reduction and removal of the HO-200 glovebox in the Mix Room, and shipped three SWBs of TRU waste from the facility, for a total of nine boxes shipped to date.

Another box was loaded with the remains of HO-200. Preparations continued to begin the cutting and removal of slab tanks from the facility – the last major step before the 209-E facility is downgraded to a Less Than Hazard Category 3 (non-nuclear) facility and ultimately demolished.



Photo 10

Glovebox H0-200 in the 209-E Criticality Mass Laboratory before size reduction in September 2010. Preparing the glovebox for removal was a task months in the making and will help prepare the building for demolition.



Photo 11

The site of former glovebox HO-200 glovebox after it was cut up and removed from the 209-E Criticality Mass Laboratory.

RL-0040.R1.2: Outer Zone D&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*	TOTAL: 62,748 square feet

*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. Work continues in Area 10.

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. Video, photos, and a news release about the event are available at www.hanford.gov.



Workers unwrap a locomotive upon delivery to the B Reactor for preservation and display.

Photo 12



Photo 13

The CHPRC and subcontractor crew that safely loaded and transferred two locomotives from the 200 North Area to B Reactor for preservation and display.

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 13, 2011	Total to Date with Recovery Act funds
BC Control Area	7,500	413,500

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

- 200-MG-1
 - 600-40: Additional sample testing was performed on April 20, 2011. Preliminary results are favorable. Backfill is anticipated in May.
 - 600-218: Remediation activities are complete, contingent on sampling. Verification field sampling was performed on April 14, 2011. Preliminary sample results are favorable; no backfill is required.
 - 600-220: Verification sampling occurred on May 3, 2011. Laboratory analysis 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 is anticipated to occur next week.
- 600-282: Initial remediation is complete pending sampling results. Backfill material is staged.
- 216-S-19: Direct push test sampling is complete. Some sample results are questionable and are being verified by the laboratory while other results are under review.
- 216-S-26: Shipments to ERDF continued.
- 200-W-147-PL: Excavation is complete. Backfill is under way.
- **BC Control Area**
 - Radiological down-post surveys and localized spot removal are ongoing.



Photo 14

An aerial of the BC Control Area where CHPRC remediated and revegetated 140 acres of the 13-square-mile waste site with Recovery Act funds. 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
- 183.1KW Headhouse
- 183.3KW Filter Basin
- 183.7 KW Pipe Tunnel
- 110KE Gas Storage Facility
- 117KE Exhaust Air Filter Bldg
- 116KE Reactor Exhaust Stack
- 118KE Horizontal Control Rod Storage
- MO048 Construction Lunch Trailer
- MO969 Ops/HPT Change Trailer
- 115KE Gas Recirculation
- 185-K Potable Water Treatment Plant*

PLANNED FOR D&D/IN PROGRESS

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

*Not part of the Key Performance Parameter

Facility D&D

At the 181-KE River Pumphouse Structure, CHPRC crews continued preparing the structure for demolition, filling in with gravel the six holes left by the removal of the structure's six 39,000-pound pumps. Demolition of internal structures is complete at both 120,000-square-foot 183.4-KE and 183.4-KW Clearwells; loadout is nearing completion. Size-reduction and loadout continued at the site of the demolished 183.1-KE Head House. At the 190-KE Main Pump House, asbestos abatement is now complete in preparation for the structure's demolition.



Photo 15

Gravel is poured into a pump housing at the 181-KE River Pumphouse to fill the holes left behind after CHPRC removed six 39,000-pound pumps.



Photo 16

Size reduction and loadout of demolition debris from the 183.1-KE Headhouse continues. The headhouse was part of the 183-KE Sedimentation Basin complex that once supplied treated water to support reactor operations.



Photo 17

Demolition of the interior structures is complete at both 120,000-square-foot 183.4-KE and 183.4-KW Clearwells.

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 2,485 tons removed so far this month and a total of 19,926 tons removed to date. For the 116-KE-1 waste site, the project is awaiting sampling results meanwhile material placed into a stockpile from this waste site was loaded into ERDF containers. The last lift added to the stockpile exceeded the remedial action goal for carbon-14. The contaminated soil was removed and sampling will occur before additional material is placed in this stockpile.

UPCOMING EVENTS

RL-0011 Nuclear Materials Stabilization & Disposition

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

- Complete removal of a protruding inlet filter box, 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.
- Complete cold and dark isolations and transfer the 2736-Z vault complex for demolition
- D&D the remaining gloveboxes in the RMA/RMC Line process areas.
- Continue removing process vacuum, process transfer piping, and asbestos insulation from throughout 234-5Z building.

RL-0013 Solid Waste Stabilization & Disposition

RL-0013C:R1.1: MLLW Treatment

- One MLLW shipment (17.9 m³) planned from CWC to PFNW for treatment by macro-encapsulation.
- One MLLW shipment (9.9 m³) planned from WRP to PFNW for treatment by macro-encapsulation.
- One MLLW shipment (0.4 m³) planned from CWC to PFNW for treatment by macro-encapsulation.
- Two LLW shipments (2.7 m³) planned from CWC and WRAP to PFNW for volume reduction and radiological stabilization.

RL-0013C:R1.2: TRU Waste

- TRU Retrieval
 - 3A burial ground
 - Ship Box 27 (59.5 m³) from Trench 17.
 - Remove Box 80 from Trench 17.
 - Begin set-up and initial fogging of Box 80 in Trench 17.
 - Complete repairs to Box 23 in Trench 17.
 - 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 (RH) waste containers (3.6 m³) from Trench 11.
 - Remove large concrete box (46 m³) from 4B Trench 11.
 - Complete assay campaign #74.
 - Approve Mobile Drum Venting System operating procedure.
 - Vent 13 TRU drums and overpack them into SWBs for shipment to CWC.
 - Ship two concrete boxes (13.5 m³) from 4B Trench 11 to PFNW.
 - Ship nine contact-handled waste containers (6.7 m³) from 4B Trench 11 to CWC.
 - Ship seven RH-TRU waste containers (1.7 m³) from 4B Trench 11 to CWC.
 - 12B burial ground
 - Ship 8 x 4 x 4 ft waste boxes (containing six 5-gallon drums each) and one 55-gallon drum from the 12B burial grounds to PFNW.
 - Continue waste removal from Trench 17 and process drums through assay, venting, and x-raying in the Real-Time Radiography System.

- Perform a GPR scan of the 60 feet of Trench 17 inside 2202E in preparation for excavating to the top of the waste.
- Complete the removal of the remaining suspect TRU drums from Trench 27 and start the process to close-out the trench.
- TRU Repackaging and Shipments
 - Three planned shipments.
- Suspect TRU Waste Shipments
 - One TRU-mixed waste shipment (17.3 m³) 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 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.
- Begin demolition 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.
- Continue remediation of 200-MG-1 waste sites.
- Backfill the 600-40 and 200-W-147-PL waste sites.

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.