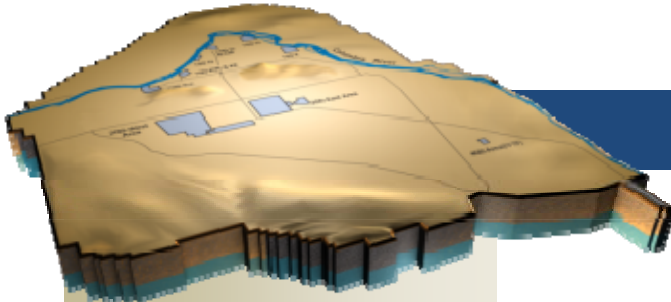


ARRA Weekly Report



Week Ending June 4, 2010

June 8, 2010
Contract DE-AC06-08RL14788
Modification M047
CHPRC1006-06

Contents

OVERVIEW.....	3
ACCOMPLISHMENTS.....	4
RL-0011 Nuclear Materials Stabilization & Disposition.....	4
RL-0011.R1: Plutonium Finishing Plant D&D.....	4
RL-0013 Solid Waste Stabilization & Disposition.....	7
RL-0013C:R1.1: MLLW Treatment.....	7
RL-0013C:R1.2: TRU Waste.....	8
RL-0030 Soil & Groundwater Remediation, Groundwater/Vadose Zone.....	11
RL-0030.R1: Central Plateau Soil & Groundwater.....	11
RL-0040 Nuclear Facility D&D – Remainder of Hanford.....	14
RL-0040.R1.1: U Plant/Other D&D.....	14
RL-0040.R1.2: Outer Zone D&D/Waste Sites.....	17
RL-0041 Nuclear Facility D&D – River Corridor Closure Project.....	19
RL-0041.R1.1: 100K Area Remediation.....	19
UPCOMING EVENTS.....	24
RL-0011 Nuclear Materials Stabilization & Disposition.....	24
RL-0013 Solid Waste Stabilization & Disposition.....	25
RL-0030 Soil & Groundwater Remediation, Groundwater/Vadose Zone.....	26
RL-0040 Nuclear Facility D&D – Remainder of Hanford.....	26
RL-0041 Nuclear Facility D&D – River Corridor Closure Project.....	26

OVERVIEW

CH2M HILL Plateau Remediation Company (CHPRC) is using funds from the American Recovery and Reinvestment Act (Recovery Act) to accelerate cleanup and demolition efforts across the Central Plateau and along the river corridor to help pursue the U.S. Department of Energy (DOE) 2015 vision and shrink the Hanford Site cleanup footprint.

RL-0011 Nuclear Materials Stabilization & Disposition

CHPRC is accelerating critical decontamination and decommissioning (D&D) work to prepare the Plutonium Finishing Plant (PFP) for demolition three years ahead of the Tri-Party Agreement milestone of September 2016. The work scope includes removing over 180 glove boxes/laboratory hoods and other highly contaminated equipment from the 234-5Z, 242-Z, and 2736-ZB buildings as well as preparing the former special nuclear material storage structures and other ancillary buildings for demolition.

RL-0013 Solid Waste Stabilization & Disposition

Recovery Act funds are allowing CHPRC to accelerate retrieval of 2,500 m³ of suspect transuranic (TRU) waste, eliminate 1,800 m³ of mixed low-level and low-level waste (MLLW and LLW), and accelerate the overall cleanup of legacy waste and fuels on the Hanford Site.

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

In the ongoing effort to protect the Columbia River, CHPRC is using Recovery Act funding to construct two groundwater treatment facilities, install over 300 wells that will be used for monitoring, extracting, and remediating groundwater, and decommission 350 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 accelerating the demolition of facilities to reduce mortgage costs on buildings that are no longer of service and complete the remediation of waste sites.

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

In the 100K Area along the Columbia River, CHPRC is demolishing 12 buildings and remediating waste sites to clear the area and prepare for the disposition of two reactors, K East and K West.

ACCOMPLISHMENTS

RL-0011 Nuclear Materials Stabilization & Disposition

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

The following table summarizes progress made with Recovery Act funding at PFP since April 2009.

Structures, equipment, waste disposition	Total to Date (since April 2009)
Glove boxes/hoods removed	63 glove boxes/hoods
MLLW/LLW shipped	1,030 m ³
TRU shipped	140 m ³
Non-radioactive waste shipped	22 m ³
Asbestos removed	9,400 feet
Ancillary structures demolished or removed	<ul style="list-style-type: none"> • 17 fuel vaults/ancillary buildings prepared for demolition • 2 structures removed for reuse elsewhere

Laboratory & Processing Areas

Work resumed in PFP's laboratory and process areas but remains on hold in areas subject to potential beryllium contamination, pending improvements to the applicable Beryllium Work Permits (BWPs). In the process areas, isolation of glove box 400 from glove box 200 is nearly complete and final preparations for removing glove box 400 are under way. Preparations are also in progress to obtain samples of material from within the hydrogen fluoride scrubber cell in room 232. The crew previously working in room 227 has been reassigned to support cleanout in other areas while additional chemical exposure controls are implemented in response to an exposure event in March. The team's supervisor was assigned to lead preparations for removing more than 1,150 feet of process transfer lines from the process areas beginning in September. In the Analytical Laboratory, removal of ventilation ducting and pipe stubs is under way in room 136. Final preparations were initiated for removing two hoods from room 141. In the Plutonium Process Support Laboratory, mechanical and electrical isolations were initiated on a glove box/hood in room 180 and work commenced on draining and removing water supply lines to a glove box in room 188.

2736-Z/ZB Vault Complex

Contamination control sleeves were installed on all exhaust ducts and pipes connecting glove box 636 with the building ventilation system. Non-destructive assay (NDA) measurements of the ventilation system and filter boxes supporting the six glove boxes in nearby room 642 are continuing. Preparations for accelerated disposal of 15 concrete and steel fuel storage vaults as LLW are proceeding rapidly. Washington Closure Hanford has agreed to accept the vaults as-is at the Environmental Restoration Disposal Facility (ERDF) and will beneficially re-use them to accumulate and macro-encapsulate hazardous waste items received from across the Hanford Site.

242-Z Americium Recovery Facility

Roof repairs were initiated above the control room and airlock and were 75 percent complete when suspect asbestos material was identified. Samples were taken and submitted for laboratory analysis. Repair work was suspended pending receipt of sample results and if necessary, assignment of insulators to stabilize the suspect asbestos. Nearly all water that had previously leaked into the control room, airlock, and 242-ZA annex had evaporated by the week's end, leaving the area dry and allowing for entries next week.

Security structures and systems

With the bulk of the reusable security equipment removed, a schedule and cost estimate have been developed to complete cold and dark isolation and subsequent demolition of five structures previously

used for controlling access to the PFP Protected Area (PA). This includes two vehicle inspection structures and the operations control facility, patrol badge house, and central alarm station. Recovery Act funds are being used to ready the facilities for demolition nearly two years ahead early. Base funding has been identified for the CHPRC D&D Project to complete demolition and disposal of the demolition debris before the end of September. An existing subcontract has been modified to include removal of inner PA fence lines, razor ribbon personnel barriers, and the E-Field intrusion detection system, also by the end of this fiscal year.

Infrastructure, process support systems, and equipment removal

Field work planning continued for the cleanout and relocation or removal of deactivated air drying equipment in room 321 of the 234-5Z building; the first of five work packages received final approval. Six waste shipments were made from PFP during the week, including five glove boxes/hoods sent to ERDF for grouting and disposal as LLW, three additional roll-off containers of LLW sent to ERDF, two drums of waste water from draining a shielding wall sent to the Effluent Treatment Facility, and a shipment of 23 drums of TRU waste sent to the Waste Receiving and Processing (WRAP) facility.



Photo 1

Radiological control technicians survey drums of transuranic waste removed from the Plutonium Finishing Plant.



Photo 2

Five glove boxes and hoods, loaded in a shipping container, are loaded onto a truck for shipment to the Environmental Restoration Disposal Facility for grouting and disposal as low-level waste.

NDA measurements were initiated on three glove boxes removed from room 136 of the Analytical Laboratory to verify they can be transported and disposed of as LLW.

The modification project to install additional cooling for air supply to the process facilities is again proceeding at full speed; beneficial use at 75 percent of design capacity is expected by June 22, with the remainder of the system to be operational in early July.

The expansion of PFP's beryllium controls and the activities subject to controls will impact several ongoing modification projects. The changes will require that subcontractors be qualified under Hanford's beryllium control program, receive beryllium training, and be enrolled in the beryllium medical surveillance program prior to further work. This could require several months due to backlogs at AdvanceMed Hanford and at testing laboratories. Affected modifications include installation of the size-reduction facility in room 172, widening of doorways 108 and 638, and grout filling of three of the first five floor trenches.

RL-0013 Solid Waste Stabilization & Disposition

RL-0013C:R1.1: MLLW Treatment

Of the 1,800 m³ of MLLW and LLW planned for shipment under the Recovery Act:

- 981 m³ of MLLW and LLW have been shipped to date including:
 - 662 m³ that have been treated and disposed.
 - 319 m³ at off-site treatment facilities awaiting processing. Treatment is scheduled for FY10.

Two shipments were sent out last week. Both shipments were sent from WRAP to Perma-Fix Northwest on June 3. One shipment contained two drums (0.4 m³) of LLW debris that will be volume reduced and stabilized. The second shipment contained 12 drums (3.9 m³) of MLLW debris previously classified as TRU waste that will be treated through macro-encapsulation. Both shipments will be packaged for disposal in Hanford's Mixed Waste Disposal Units.



Photo 3

CHPRC personnel load a shipment containing 12 drums (3.9 m³) of mixed low-level waste debris that will be non-thermally treated through macro-encapsulation at Perma-Fix Northwest. The waste will then be packaged for disposal in Hanford's Mixed Waste Disposal Units.

RL-0013C:R1.2: TRU Waste

Of the 2,500 m³ of suspect TRU waste planned for retrieval under the Recovery Act:

- 17.1 m³ are staged, pending shipment.
- 431 m³ have been shipped to a treatment, storage, or disposal facility.

The Waste Retrieval Group workforce resumed work in the 3A burial grounds. Activities for Trench 17 included construction of two-foot support walls on three sides of Box 3 to make the shoring base ready for use, completion of excavation/grooming activities on the walls around Box 1, and hand excavation between Boxes 2 and 3. The team also widened the area between Boxes 3 and 12. Nuclear chemical operators and the engineering group inspected the cover and diaper on Box 3. A practice Hazard Review Board (HRB) meeting was held for the repackaging of Boxes 80 and 82 as was a two-day facilitated work session to produce a draft of the 3A Trench 8 Retrieval Plan.

The global positioning system topographical mapping and ground-penetrating radar survey of the Next Generation Retrieval (NGR) site in the southwest corner of the 3A burial grounds was completed. Conduit, light poles, and power racks were installed at the 3A facility trailers.

Water sample results from the 4B Trench 11 Recovery Plan were received and were below detectable levels. This will allow for the demobilization of the decontamination line and disposal of waste equipment or materials used in the activities (i.e., personal protective equipment, rags). The remaining equipment from the 4B Trench 11 exclusion zone was removed.

A Portable Containment walk-down was performed with the Operations First-Line Manager and Project Engineering group. The grading/rolling of the area along Dayton Avenue was completed and a 40-foot storage box was installed.

Start-up of the Mobile Radioactive Decontamination Unit (MDU) continued with the draft of the operations procedure completed and initiated for review. The remainder of the Process Area tent was removed from the 4C burial grounds. A bidder information meeting was held for the design/build procurement of the Trench Face Process System (TFPS). The TFPS is part of the NGR Phase II and comprises the Repackage Process Unit and the Direct Transfer Process Unit.



Photo 4

Workers from the Waste Retrieval Group participate in a two-day facilitated work session to produce a draft of the 3A Trench 8 Retrieval Plan, which details plans for retrieval activities.

Alpha Caisson Retrieval Project

Preparation for the Baseline Change Request continued. The 30 percent of the preliminary design on the Waste Processing System is complete with comments provided to AREVA for final disposition. Four proposals were received on the Remote Retrieval System and the final disposition for 30 percent of the design review on the Waste Retrieval System is complete. Closeout on the Alpha Caisson Retrieval Project continued. The project will be completed to 30 percent design. AREVA sent and updated an acquisition plan to CHPRC for review. The review was finalized for the Waste Retrieval System acquisition plan prepared by the ARES Corporation.

TRU Project Drum Repackaging

Of the 850 m³ planned to be characterized and repackaged with funding from the Recovery Act:

- 1,425 drums (283.8 m³) have been repackaged.
- 45 TRUPACT-II shipments [1,259 55-gallon drums, 24 standard waste boxes (SWBs), two ten-drum over-packs and 218 drums over-packed into 55 SWBs (354.6 m³)] have been shipped.



Photo 5

Workers at the Waste Receiving and Processing Facility put the lid on a solid waste box containing four 55-gallon waste drums. The 55-gallon drums are over-packed into solid waste boxes for transportation to the Waste Isolation Pilot Plant.

RL-0030 Soil & Groundwater Remediation, Groundwater/Vadose Zone**RL-0030.R1: Central Plateau Soil & Groundwater***Well Drilling & Decommissioning*

Planning is in progress for installing wells in the 100-HR-3 and 100-BC-5 operable units. The following table showcases additional progress in well drilling and decommissioning.

Operable Unit	Scope (Wells to be drilled with Recovery Act funding)	In progress	Drilled to Total Depth ¹	Completed or Developed ²
100-KR-4	Support characterization of the vadose zone and aquifer (13 wells)	2	-	-
100-HR-3	H Area: Support the optimization of removal of chromium (25 wells)	25	24	22
100-HR-3	D Area: Support the optimization of removal of chromium (16 wells) ³	14	14	14
M-24	Support characterization of the aquifer (5 wells)	4	2	2
200-ZP-1	Support the 200 West Groundwater Treatment Facility that will primarily treat carbon tetrachloride contamination in the groundwater (17 wells)	13	10	8
300-FF-5	Support characterization of the aquifer (11 wells)	1	-	-
Site-wide	Decommission wells that are no longer of service ⁴ (350 wells)			139

¹ Wells are drilled to varying depths to address contaminants at different depths in the soil.

² When a well is developed, the well screen and riser pipe are placed in the hole, filter pack material is placed around the screen, and the well has been surged and pumped to establish good communication between the well and the surrounding soil.

³ Final two well locations received State historic preservation officer approval in May. Preparations for drilling are under way.

⁴ Wells that are inactive or no longer of service are filled with grout or other materials, the casing is removed, and a cap or marker is installed.



Photo 6

Drilling continues on one of 17 wells that CHPRC is installing with Recovery Act funding to support the 200 West Groundwater Treatment Facility.

200 West Groundwater Treatment Facility

Excavation of the foundations for two of the four transfer buildings continued. Approximately 30 yards of concrete were placed for the first extraction building. Installation of road crossings continued – 39 are complete. The project awarded the subcontract for the lime stabilization portion of the project. The project also held an introduction/kick-off meeting with the DOE-RL. In addition, Skanska USA Building Inc., the contractor for construction of 200 West Groundwater Treatment Facility, continued mobilizing to the project site.



Photo 7

An employee from subcontractor George A. Grant guides concrete being poured for the foundation of one of four transfer buildings that will make up the 200 West Groundwater Treatment Facility.

DX Groundwater Treatment Facility

Electrical, mechanical, and process equipment is being installed in the process and two transfer buildings comprising the DX Groundwater Treatment Facility. The progress is listed below.

Building	Electrical Equipment (% complete)	Mechanical Equipment (% complete)
Process	85%	90%
Transfer (M1)	98%	100%
Transfer (M2)	85%	95%
Electrical Power Rack Tie-In		60%
HDPE Piping Installation		74%



Photo 8

Workers install ion exchange resin treatment tanks in the process building of the DX Groundwater Treatment Facility, which CHPRC is constructing with Recovery Act funding. When operational, the tanks will be part of an innovative treatment system that is expected to save \$20 million in lifecycle costs.



Photo 9

The completed containment and foundation for an acid tank that will support the DX Groundwater Treatment Facility. Construction of the structure began in early May.

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

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

U Canyon

Equipment moves and size reduction activities resumed in the U Canyon. Two more process cells have been completed, with the equipment placed in the cells and the additional deck surface area cleared. To date, 25 cells have been completed, thanks to Recovery Act funding. Installation of emergency lights or alternative measures are still required outside of the canyon and efforts toward achieving compliance continued. A statement of work for grout supply and conveyance was finalized and a request for proposals has been issued. A second statement of work was issued for procuring a cask to support transfer of the D-10 tank to T Plant. Asbestos remediation continued in the operating and pipe galleries.

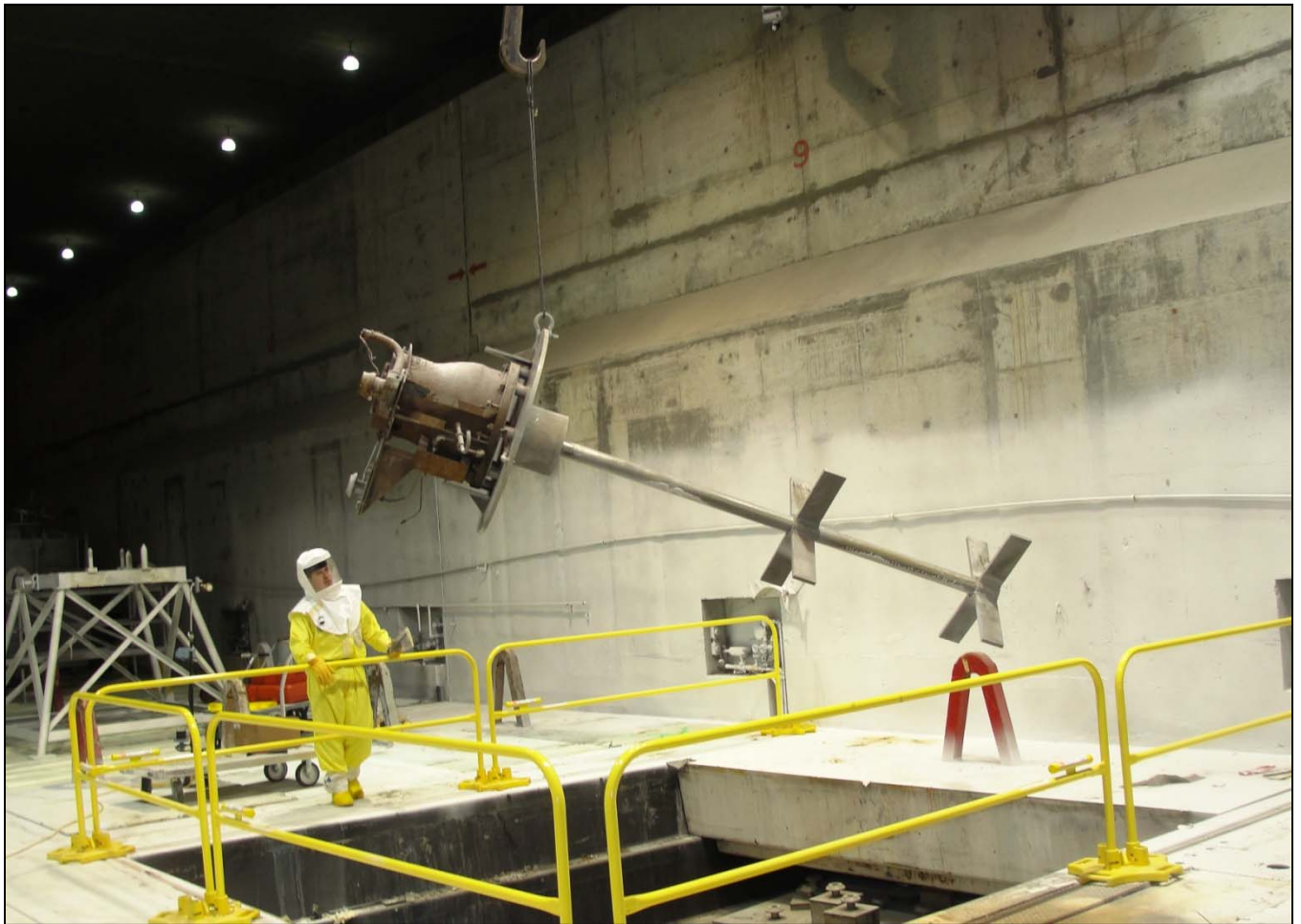


Photo 10

A large piece of equipment is relocated from the U Canyon deck into a process cell. Equipment placement resumed last week after repairs to the canyon crane and upgrades to meet Life Safety Codes were completed.

U Plant Ancillary Facilities

Demolition activities continued with the initiation of 203-UX demolition and the load-out of the 203-UX filters. The 203-UX building is composed of two outdoor concrete enclosures containing uranyl nitrate hexahydrate feed storage tanks, filters, and associated piping systems. The building is one of three remaining U Plant ancillary facilities that CHPRC is demolishing with Recovery Act funding. When operational, the facilities were used to convert uranyl nitrate liquid into uranium trioxide powder that is safer and more stable. Today, the facilities are being demolished as part of the Recovery Act-funded project to prepare the U Plant for demolition by the end of 2011.



Photo 11

Demolition begins on the 203-UX building as part of CHPRC's overall demolition of the U Ancillary facilities. The building is one of five U Plant ancillary facilities CHPRC planned to demolish with Recovery Act funding.

200 East Core Industrial Area

Cold and dark activities continued in the 284-E Powerhouse. Asbestos abatement continued on the exterior piping. The MO-405 superstructure has been demolished and waste load-out is continuing. Demolition of the 2701-M building is scheduled to begin next week.



Photo 12

Debris is all that is left of the MO-405 office building, which once comprised 12 single-wide trailers.

200 West Area Industrial Facilities

Planning and initial characterization activities continued for the demolition of six industrial structures in 200 West Area - the 284-W Powerhouse, 284-WB Package Boiler Plant, 2710-W Coal Handlers Shelter, 2902-W Elevated Water Storage Tank, 2722-W Welding Laboratory Building, and X8 Motor Car Shed.

209-E Criticality Mass Laboratory

Approvals of the Facility Hazards Analysis, Documented Safety Analysis, Criticality Safety Evaluation Report, and environmental documents continued and are on schedule to be transmitted to the appropriate agencies. Life Safety Code upgrades to the facility started. Characterization activities will resume once the necessary Life Safety Code upgrades are complete. A hazards analysis was conducted to support opening of the Criticality Assembly Room plug door. A preliminary path forward was identified for the characterization and remediation of the underground tanks associated with the facility.

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

Arid Lands Ecology Reserve (ALE) D&D

Demolition of the upper ALE facilities continued with the demolition of the 6652-C Nike Building/Space Science Laboratory and the removal of the 6631 Radio Telescope Pedestal foundation. Cleanup of miscellaneous debris sites throughout the ALE Reserve also continued.

Waste Sites

The following table showcases CHPRC's recent progress in removing contaminated soil from waste sites in the outer zone, which includes the 200 Areas and the BC Control Area.

Waste Site in Progress	Tons of Contaminated Soil Removed	
	<i>Week Ending June 4, 2010</i>	<i>Total to Date</i>
600-36	-	1,100
600-40	-	1,300
216-N-4	2,000	30,200
BC Control Area	2,600	119,400

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

- **200-MG-1**
 - 600-36: Samples were taken to determine if the additional excavation was sufficient to remediate the contamination
 - 600-37: Sampling activities continued.
 - 600-40: Based on sample data, additional excavation occurred. Samples were taken to determine if the additional excavation was sufficient to remediate the contamination.
 - 600-222: Confirmatory sampling instructions were issued and field samples were obtained.
 - 600-226: Sampling activities were completed and the samples are being analyzed.
 - 600-228: Sampling activities continued.
 - 600-262: Closure documentation is being prepared.
 - 600-275: Excavation was deferred due to nesting birds in proximity to the waste site.
 - 600-281: Confirmatory sampling was completed and the data report is being prepared. Based on preliminary sample data, additional excavation is required; therefore planning for retrieve, treat, and dispose activities was initiated.
 - OCSA (Old Central Shop Area): Confirmatory sampling instructions were issued and sampling activities continued.
 - Planning for retrieve, treat, and disposal activities continued for the following waste sites:
 - 200-W-33
 - 600-218
 - 600-38
- **200-CW-3**
 - 216-N-1: Closure documentation is being prepared for DOE and Regulatory approval.
- **BC Control Area**
 - For Zone A, approximately 30 acres have been excavated and surveyed to date. Surveying in Zone B is temporarily stopped due to concerns involving migratory birds.



Photo 13

After removing soil from an area in Zone A of the BC Control Area, a worker surveys the site of the excavation. CHPRC has excavated and surveyed 30 acres of Zone A since remediation of the BC Control Area began in fall 2009.

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

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

Facility D&D

Demolition of the 183.2KW Sedimentation Basin walls continued; the resulting rubble is being stockpiled for future use. Demolition also continued on the 183.3KW Filter Basin and the 183.7KW Pipe Tunnel.



Photo 14

Demolition continues on the east side of the 183.7KW Pipe Tunnel. CHPRC is concurrently demolishing the Pipe Tunnel and the 183.3KW Filter Basin. Both structures are part of the 183KW Sedimentation Basin Complex that once treated river water that was used for cooling the K West plutonium production reactor.



Photo 15

Demolition of the sand filters continues on the west half of the 183.3KW Filter Basin.

About 265 feet of ducting has been installed in the 105KW Fuel Storage Basin facilities as part of the heating, ventilation, and cooling system (HVAC). About 700 feet of ducting will have been installed when the project is complete.

Preliminary design activities and document preparation for disposition of the 105KE Reactor continued. A portion of the initial preliminary design documents has been prepared and is being reviewed. Core boring was completed at the second of four locations and the core boring equipment was relocated to the third core boring location. Samples from the core borings are being processed and analyzed. Asbestos abatement preparations and hazardous material removal also continued in the 105KE Reactor building.

Infrastructure Utilities Upgrade Project

Installation of the import water line continued. About 10,400 feet of pipe and fittings have been installed to date. Overall, installation of the import water line is about 90 percent complete. Flushing and testing of the import water line is expected to be performed in the next two weeks.

Pressure testing of the 12-inch fire water and 4-inch potable water lines along the southwestern perimeter (inside the fence) of the 100K Area is complete. Final cleanup of the roadway, re-installation of roadway signs, and application of a top fill material to all disturbed areas is also complete. Pot-holing and trench excavation for fire water piping continued on the east side of the 105KW Reactor facilities.

Contractor submittals are being processed for installation of the fire water and potable water lines for the remainder of the 100K Area with construction expected to start next week.

Construction continued for the Water Treatment Facility. Concrete was placed for the sump walls. Concrete forms for the water treatment building stem walls and tank foundation were constructed. The tank foundation form work is about 50 percent complete. The 4-inch potable water line was installed from the site boundary to the building foundation. Off-site fabrication continued for the fire pump, tank, and microfiltration unit for the water treatment building.



Photo 16

Forms are being placed for pouring concrete for the tank foundation at the Water Treatment Facility in the 100K Area.

Conduit and vault installation for the A9 Switchyard Site is complete. Demolition work to remove eight abandoned insulator poles and two switch towers is complete. Installation of the new substation skids started.

Preparation of the design change is complete for the 13.8kV re-route to replace aerial installation with underground installation.

Waste Sites

The following table showcases CHPRC's progress in removing contaminated soil from 100K Area waste sites, which were contaminated as a result of operations at Hanford's K Reactors.

Waste site in progress	Tons of contaminated soil removed	
	<i>Week Ending June 4, 2010</i>	<i>To date</i>
100-K-47 (Process Sewer)	300	12,300
100-K-53 (Glycol Heat Recovery Underground Pipelines)	-	200
100-K-56 (Reactor Cooling Water Pipelines)	650	10,250
100-K-68 (Pump Gallery and Catch Tank)	45	6,945
100-K-71 (Collection Box)	-	5,000
100-K-102 (French Drains and Mercury Stained Soil near 183KW Sedimentation Basin)	-	10,200
116-KE-3 (Storage Basin French Drain)	-	2,900
120-KW-1 (183-KW Filter Water Facility Dry Well)	-	9,100
Below-grade structure/soil removal		
183.1 KW (K West Headhouse)	4,900	5,400

Recent progress also includes (listed by waste site):

- Closure documentation is being developed for the following waste sites:
 - 100-K-37 (Sulfuric Acid Tank)
 - 100-K-38 (Caustic Soda Tank)
 - 116-KE-6A (Condensate Collection Tank)
 - 116-KE-6B (Evaporator Tank)
 - 116-KE-6C (Waste Accumulation Tank)
 - 116-KE-6D (Ion Exchange Column)
 - 118-KE-2 (Control Rod Storage Cave)
 - 130-KE-1 (Emergency Diesel Oil Storage Tank)
 - 1607-K3 (Septic Tank and Associated Drain Field)
- 100-K-63 (West Floodplain) – Planning continued for the remediation of the waste site.



Photo 17

An excavator removes piping from beneath the former 183.1KW Headhouse as demolition of the 183.7KW Pipe Tunnel continues in the background. CHPRC demolished the Headhouse in early 2010.

UPCOMING EVENTS

RL-0011 Nuclear Materials Stabilization & Disposition

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

- Ship the last three glove boxes removed from the Standards Laboratory to ERDF for disposal.
- Complete NDA measurements on three glove boxes from room 136 and ship them to ERDF.
- Remove glove box 400 from the RADTU area and ship to ERDF for disposal.
- Complete equipment removal from two glove boxes in room 141 and ship to ERDF for disposal.
- Continue external isolations and equipment removal from six glove boxes/hoods in room 139.
- Continue isolation and cleanout of three glove boxes/hoods in rooms 180 and 188.
- Complete revisions to PFP's BWPs, brief the workforce, and resume D&D work in beryllium controlled areas.
- Complete expansion of doorway 638 and transfer glove box HC-60 to Solid Waste Operations.
- Remove various structures around glove box HC-230C-3, apply contamination fixative within the box, remove it from building ventilation, and transfer the glove box to Solid Waste Operations.
- Begin chemical decontamination of glove box HA-28 and complete external isolations from

glove box HA-46.

- Initiate removal of the process vacuum system piping from the 234-5Z and 291-Z buildings.
- Isolate the 636 glove box from building ventilation, enlarge the exit doorway, and remove the glove box from the 2736-ZB building.
- Install a new, larger glove box load-out port in room 642 of 2736-ZB for removal of heavy equipment.
- Complete updated NDA measurements of the 2736-ZB ventilation ducting and filter housings to support implementation of the D&D Documented Safety Analysis.
- Complete additional repairs to the 242-Z building roof and begin applying contamination fixative in the control room.

RL-0013 Solid Waste Stabilization & Disposition

RL-0013C:R1.1: MLLW Treatment

- Planned shipment of one drum (0.2 m³) of MLLW non-debris sent from the Central Waste Complex (CWC) to Perma-Fix East (PFE).
- Planned shipment of two drums (0.5 m³) of MLLW non-debris sent from CWC to PFE.
- Planned shipment of two drums (0.5 m³) of MLLW and Toxic Substances and Control Act non-debris sent from WRAP to PFE.

RL-0013C:R1.2: TRU Waste

- TRU Retrieval
 - 3A Trench 17:
 - Excavate beneath Box 3 and transfer Box 3 to the shoring base.
 - Conduct HRB meeting for repackaging of Box 82 per work package 2X-09-3416.
 - Continue work planning for the removal of Boxes 2, 12, and 81.
 - Obtain occupancy of the new change trailer MO-2163 at the 3A burial grounds.
 - Complete 3A Trench 8 Retrieval Plan and issue for approval.
 - Ship five waste containers from the 4B/4C burial grounds to the CWC via forklift.
 - Develop a plan for determining industrial hygiene and radiological conditions from the excavated portions of 4B Trench 11.
 - Complete demobilization of 4B Trench 11 decontamination line and disposal of waste.
 - Validate MDU operating procedure and continue start-up activities.
 - Receive responses from the Request for Proposal for the TFPS design/build procurement.
 - Initiate calibration confirmation and verification for the ANTECH Gamma and Passive/Active Neutron Assay equipment at the 12B burial grounds.
 - Perform acceptance testing on the VJ Technology Real-Time Radiography System.
 - Complete the installation and set-up of the drum venting systems DVS2 and DVS3.
 - Complete the topographical survey of the NGR site at the 4B burial grounds.
- Alpha Caisson Retrieval
 - Closeout 30 percent design review with AREVA and the ARES Corporation by June 11.
 - Complete acquisition plans by June 15.
 - Perform technical evaluation on the Remote Retrieval System by June 16.
 - Complete project closeout efforts by July 2.
- TRU Repack
 - Five planned TRUPACT-II shipments to the Waste Isolation Pilot Plant.

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

RL-0030.R1: Central Plateau Soil & Groundwater

- Continue construction of the 200 West and DX Groundwater Treatment Facilities.
- Continue decommissioning wells across the site.
- Continue drilling at M-24, 100-HR-3, 100-KR-4, 200-ZP-1, and 300-FF-5.
- Continue planning for well installations at the 100-HR-3 and 100-BC-5 operable units.

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

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

- Continue demolition for the U Plant ancillary facilities.
- Continue relocation of equipment from the U Canyon deck into the process cells and asbestos abatement in the operating and pipe galleries.
- Continue demolition preparations (i.e., cold and dark activities) for the 284-E Powerhouse.
- Continue demolition planning and characterization of the 200 West Area industrial facilities.
- Continue demolition of the 200 East Core Industrial Area facilities.
- Continue planning and preparations for demolition of the 209-E Criticality Mass Laboratory.

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

- Continue removal of debris sites throughout the ALE Reserve.
- Continue demolition of the upper ALE facilities.
- Continue cold and dark isolation activities of the ridgeline communication structures.
- Continue remediation of the BC Control Area, 200-CW-3, and 200-MG-1 waste sites.

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

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

- Continue demolition of the 183KW Sedimentation Basin structures.
- Continue demolition preparation activities for the 115KE, 116KE, 117KE, 1706KE, and 1706KER buildings.
- Continue debris removal from the KW Fuel Storage Basin.
- Continue activities for upgrading the 105KW HVAC system.
- Continue preliminary design and characterization activities for disposition of the 105KE Reactor.
- Continue activities for isolating 100K Area utilities to support of cold and dark preparations.
- Continue remediating soil from waste sites.