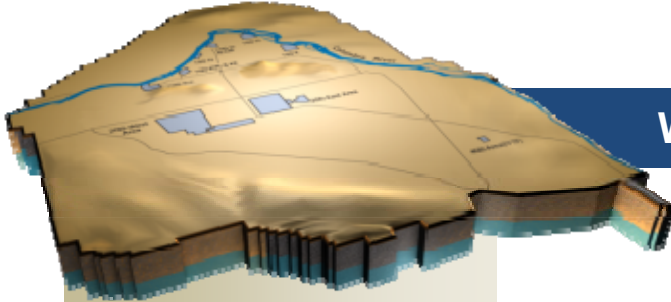


ARRA Weekly Report



Week Ending August 13, 2010

August 17, 2010
Contract DE-AC06-08RL14788
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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 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	67 glove boxes/hoods
MLLW/LLW shipped	1,310 m ³
TRU shipped	161 m ³
Non-radioactive waste shipped	22 m ³
Process vacuum system piping removed	40 feet
Asbestos removed	10,050 feet
	17 fuel vaults/ancillary buildings prepared for demolition:
Ancillary structures demolished or removed	<ul style="list-style-type: none"> o 15 fuel vaults disposed o 2 structures removed for reuse at other locations

Laboratory & Processing Areas

In the Plutonium Process Support Laboratory, a laboratory hood in room 180 was isolated from building ventilation, removed, and transferred to waste operations for disposal. In the former Analytical Laboratory, cleanout continued on six glove boxes/hoods in room 139, four hoods in room 144, and a large glove box in room 145. Work is also under way to establish localized size-reduction capability within the laboratory for five hoods previously removed from rooms 137 and 149. In the process areas, chemical decontamination continued on three glove boxes. Preparations are nearly complete for cold testing of a second, complimentary decontamination process, and a demonstration of a third product was also observed in the 100K Area. External isolations continued on glove boxes HA-46 and 227-S.

2736-Z/ZB Vault Complex

Preparations are in progress to remove the last of the ventilation filter housings and exhaust ductwork from room 636. Shielding removal began on six glove boxes in room 642. Nearly 2,000 pounds of heavily contaminated equipment have been removed and packaged for disposal.



A nuclear chemical operator secures shielding from a glove box in the 2736-Z/ZB facility for removal from the room. Removal of the shielding is necessary to allow for cleanout and size reduction of the glove box.

Photo 1

242-Z Americium Recovery Facility

The D&D team completed their 52nd entry into the facility, removing legacy waste, performing housekeeping, and completing preparations and much of the work to apply contamination fixative throughout the airlock and control room.

Infrastructure, process support systems, and equipment removal

Removal of contaminated process vacuum system piping is now well under way. Two 12-foot sections were removed last week, bringing the total to 40 feet removed. Planning and preparations for removal of similar process transfer line piping continued with work expected to begin in September in rooms 227, 228A, and 228B. Insulator crews removed 105 feet of asbestos from piping, bringing the total linear feet removed with Recovery Act funds to 10,050 feet.



Photo 2

Inside the duct level of the Plutonium Finishing Plant workers use a containment tent and glove bag to carefully cut process vacuum line into disposable sections. The workers use personal respirators in addition to the containment tent and glove bag to protect them from debris and contamination hazards.

Ancillary and Security Structures

Deactivation and isolation of five security facilities formerly controlling access to the PFP Protected Area is nearly complete, and the remaining three buildings are expected to be transferred to the D&D Project next week. The construction contractor continued removing the inner Protected Area fences, razor wire, and perimeter alarm systems, and another subcontractor began removal of the original, 1.5-mile long Ecology-block vehicle barrier.



Photo 3

Inner fence line and poles removed from around the Plutonium Finishing Plant Complex are being packaged for shipment to the Environmental Restoration Disposal Facility for disposal.

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:

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

Two shipments were sent on Aug. 12 from the Central Waste Complex (CWC) to Perma-Fix Northwest (PFNW). The first shipment contained eight drums (1.8 m³) of LLW debris that will be volume reduced and stabilized. The second shipment contained four drums (0.8 m³) of MLLW debris that will be non-thermally treated by macro-encapsulation. Both shipments will be packaged for disposal in Hanford's Mixed Waste Disposal Units.



Photo 4

Non-debris waste previously sent to Perma-Fix Northwest underwent inspection and will be treated non-thermally through stabilization. The treated waste will 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:

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

In the 3A burial grounds, site preparations continued for Trench 8. Workers began setting up the new radiological buffer area boundary and continued constructing a shielding zone around a high-dose area adjacent to the removal area for Trench 8. Most of the remaining pre-start corrective actions were completed and sent out for internal review by the Waste and Fuels Management Project and an independent review for the beginning of Trench 8 retrieval operations. The fiberglass-reinforced plywood base for Box 82 in Trench 17 was loaded into a waste box. Removal of Box 2 from Trench 17 began and the first tier of plywood was placed around the box. Permanent power was tied into the 3A trailers with the exception of MO-2152, which requires an electrical upgrade to one of the breakers.

In the 4B burial grounds, a portion of the contaminated areas around Trench 11 and Trench 7 was down-posted. The scope for enhanced work planning for the excavator interrogation of the Trench 17 event site was expanded to include the use of the remote excavator.

In the 12B burial grounds, the passive/active neutron (PAN) operational test procedure was completed and the installation of the VJ Technologies' Real-Time Radiography (RTR) System and Drum Warming Unit (DWU) was completed and is ready for acceptance testing.



Photo 5

The last package of waste and materials from Box 82 is lifted out of Trench 17 and will be placed with the other bags into a new waste box for assay and eventual shipment.



Photo 6

The fiberglass-reinforced plywood base is removed from Box 82 in Trench 17 of the 3A burial grounds. The base was removed in pieces and will be placed in a new waste box for assay and eventual shipment.

TRU Project Drum Repackaging

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

- 1,668 drums (347 m³) have been repackaged.
- 75 TRUPACT-II shipments [1,343 55-gallon drums, 24 standard waste boxes (SWBs), two ten-drum over-packs, 312 85-gallon over-packs and 246 drums over-packed into 65 SWBs (442.8 m³ total)] have been shipped.

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

RL-0030.R1: Central Plateau Soil & Groundwater

Well Drilling & Decommissioning

The following table showcases CHPRC's 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-BC-5	Support characterization and removal of chromium (6 wells)	2	1	-
100-KR-4	Support characterization of the vadose zone and aquifer (13 wells)	6	4	3
100-HR-3	H Area: Support the optimization of removal of chromium (40 wells)	39	30	29
100-FR-3	Support for Remedial Investigation/Feasibility Study characterization (3 wells)	1	-	-
200-ZP-1	Support the 200 West Groundwater Treatment Facility that will primarily treat carbon tetrachloride contamination in the groundwater (17 wells)	16	12	11
300-FF-5	Support characterization of the aquifer (11 wells)	1	-	-
Site-wide	Decommission wells that are no longer of service ³ (350 wells)			170

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 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.

200 West Groundwater Treatment Facility

Issued for Construction drawings were completed Aug. 9, 2010. The effort has included 838 drawings and 162 specifications. Construction activities continue on the 200 West Groundwater Treatment Facility project. The general contractor, Skanska USA Build Inc., and their subcontractors completed forming and placed the footings and sump for the Bio-Processing Building, with the exception of the eastern footings. The A-line sump bottom and two mid-crane foundations were placed at the same time. Backfilling continued for the Radiological Building in preparation for trench forming. Grounding installation continued at the Bio-Processing Building

Subcontractor George A. Grant continued construction activities on the four transfer buildings with completion of concrete pours for piers at Extraction #1 and footings at Extraction #2 and Injection #2. One road crossing has been constructed in the area of the S/SX tank farms. Underground scanning and excavation permitting continued for the accelerated Phase II of road crossings.



Photo 7

An aerial view of the construction site for the 200 West Groundwater Treatment Facility that CHPRC is building with Recovery Act funds to help expand and enhance groundwater treatment at the Hanford Site.

DX Groundwater Treatment Facility

Electrical, mechanical, and process equipment installations in the DX facilities are complete. Equipment installation for the Chemical Addition Building is continuing. The progress is listed below.

Building	Electrical Equipment (% complete)	Mechanical Equipment (% complete)
Process	100%	100%
Transfer (M1)	100%	100%
Transfer (M2)	100%	100%
Chemical Addition	25%	40%
Electrical Power Rack Tie-In		100%
HDPE Piping Installation		100%



Photo 8

The interior of the process building for the DX Groundwater Treatment Facility where installation of electrical, mechanical, and process equipment is complete. Construction of the overall facility is also nearly complete, with the pump and treat system expected to be operational later this year.

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

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

U Canyon

Activities in the canyon continued with disposition of chemicals and final photos taken of process cells. Verification of process cell drains is also ongoing to ensure the drains are clear for placement of grout.

The first responses from the contractor are expected next week for the first three tasks involving batch plant design, operations and maintenance, and grout design. Work documents are being prepared for core drilling operations, water feed connections, electrical supply modifications, and haul road work. Asbestos abatement activities remain at 55 percent complete.

U Plant Ancillary Facilities

Debris from the demolition of the 224-U building is being loaded for disposal. Process equipment with a high hazard potential was removed from the debris pile and loaded into roll-on/roll-off containers for disposal. Demolition is still in progress on the 224-UA building, the last of the U Plant ancillary facilities planned for demolition with Recovery Act funding.

200 East Core Industrial Area

Demolition and debris load-out at the 272-E Fabrication Shop continued. Construction of an asbestos abatement containment in the 284-E Powerhouse is progressing, as is asbestos removal in the conveyor and crusher house. Demolition began on the 275-E Carpenter Shop and is about 80 percent complete.

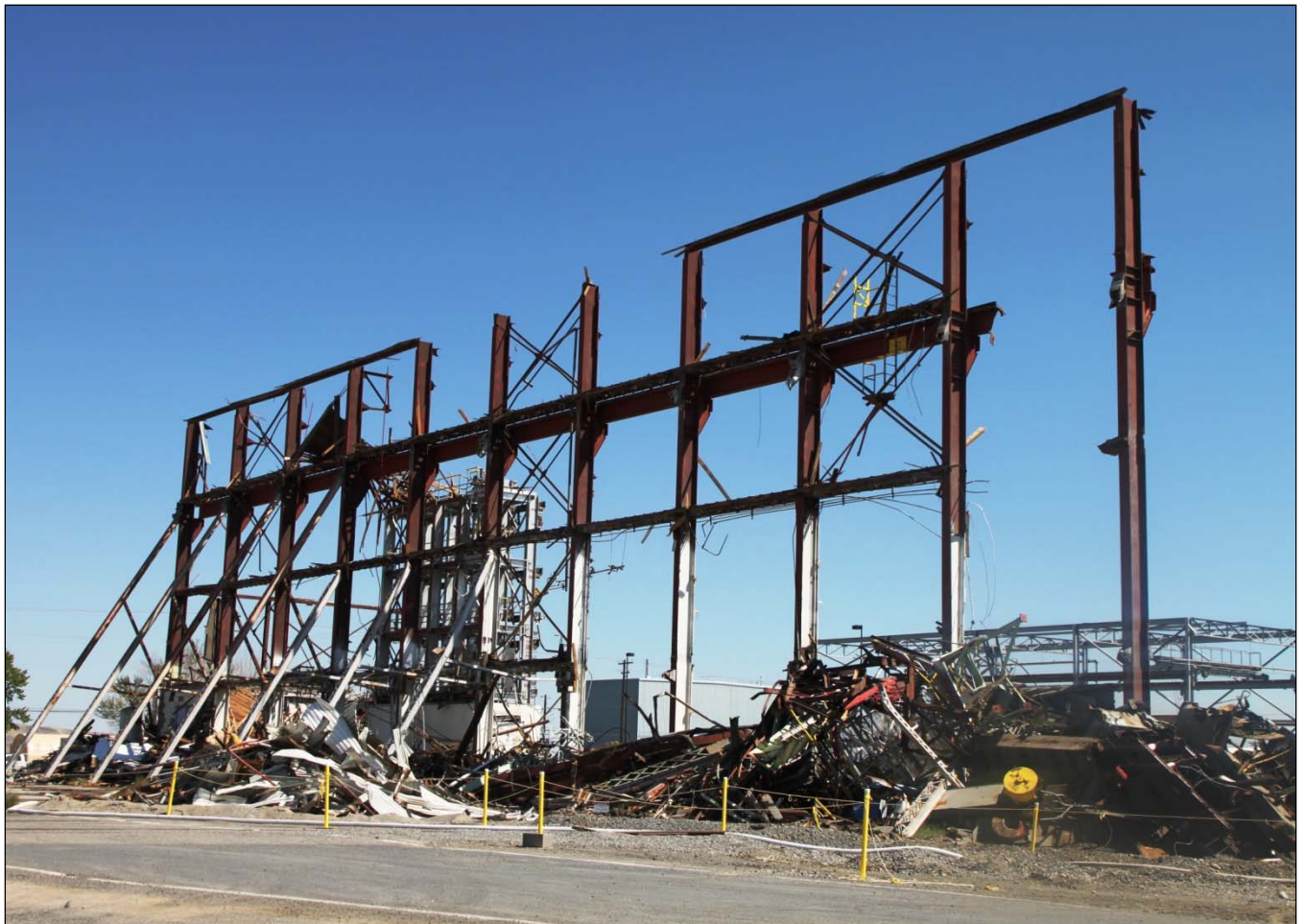


Photo 9

Only a section of the skeleton of the 272-E Fabrication Shop remains to be demolished.

200 West Area Industrial Facilities

Planning, characterization, and radiological surveys are ongoing for the six industrial structures planned for demolition.

209-E Criticality Mass Laboratory

Fence post removal is complete and site grading was initiated in preparation for placement of support trailers. Housekeeping activities are complete in the Mix Room and the resulting waste was removed from the facility and placed in an approved shipping container for final disposition. Planning continued for the visual examination of the tanks to verify that they are dry and that no heels remain. Planning is in progress for radiological smears to be taken in glove boxes/hoods to determine the proper disposition path (i.e., TRU or LLW) once they are removed.



Photo 10

In the 209-E Criticality Mass Laboratory, workers discuss plans for removing waste from the Mix Room. Items were bagged, surveyed out of the room, and put into a box for eventual disposal.

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

Arid Lands Ecology Reserve (ALE) D&D

Removal of the 6652-C Space Science Laboratory is nearing completion, with only a small portion of the foundation remaining to be loaded for disposal. Demolition preparations are complete for the T520-6 Navy MARS Radio Station and 6630 Hodges Well Pump House; demolition of the Pump House was initiated. Debris site cleanup is ongoing across the reserve.



Photo 11

In mid-August 2010, only a small portion of the 6652-C Space Science Laboratory foundation remains to be loaded for disposal. The Laboratory was the largest building atop Rattlesnake Mountain at Hanford's Arid Lands Ecology Reserve.



Photo 12

Demolition begins on the 6630 Hodges Well Pump House on the Arid Lands Ecology Reserve.

North Slope Debris Removal

Planning, development of environmental documents, and cultural reviews continued for removal of debris from the North Slope on the Hanford Site.

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

The comment period for the *212-N, -P, and -R Facilities Engineering Evaluation/Cost Analysis, Addendum 1: Disposition of Railcars* ended on Aug. 13, 2010. The document addresses the potential paths forward for 16 radiologically and chemically contaminated railcars currently staged near the site of the former 212-R facility in the 200 North Area.

Waste Sites

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

Waste Site in Progress	Tons of Contaminated Soil Removed	
	<i>Week Ending Aug. 13, 2010</i>	<i>Total to Date</i>
216-N-6	2,579	6,189
BC Control Area	6,800	174,300

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

- **200-MG-1**
 - 216-S-26: Requests for proposals will be issued in mid-August.
 - 600-36: Additional remediation is expected to occur the week of Aug. 23, 2010.
 - 600-38: Samples are being analyzed.
 - 600-40: Excavation is on hold awaiting process sampling; analyses will take a minimum of two weeks.
 - 600-222: Field excavation is expected to commence immediately after approval of the 200-MG-1 Remedial Action Work Plan (RAWP).
 - 600-226: Preliminary results indicated retrieve, treat, and disposal (RTD) activities will be required. The RAWP needs to be approved prior to the start of excavation.
 - 600-228: Direct push sampling will commence in September, depending on vendor availability.
 - 600-275: Excavation has cleared all seven pads of soil; initial radiological surveys are complete and no radiation was detected during the initial concrete pad surveys.
 - 600-281: Preliminary evaluation indicates RTD will be required. The RAWP needs approval prior to the start of this field excavation.
 - OCSA (Old Central Shop Area): Surface sampling and development of sampling instructions is in progress. Preliminary results indicate that RTD will be required.
 - Planning for RTD activities continued for the 200-W-33 and 600-218 waste sites.
 - Closure documentation is being prepared for the 600-37 and 600-262 waste sites.
- **200-CW-3**
 - 216-N-4: The initial post-excavation radiological survey is complete, with verification sampling expected to be complete by Aug. 23, 2010.
- **BC Control Area**
 - For Zone A, approximately 45 acres have been excavated and surveyed.
 - For Zone B, radiological down-posting surveys are in process.

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

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

Facility D&D

At the 183KW Sedimentation Basin Complex, demolition and debris load-out continued on the 183.3KW Filter Basin and 183.7KW Pipe Tunnel. Demolition of the 183KW Sedimentation Basin is approximately 80 percent complete.

The 100K East Area was also busy with demolition activities last week, as demolition began on both the 115KE Gas Recirculation Building and the 117KE Exhaust Air Filter Building. The 115KE building is a single-story facility that housed gas circulation pumps, gas dryers, filters, heat exchangers, and related instruments and piping for the reactor gas coolant system. It was also designed to detect water leaks within the reactor core. The 117KE structure filtered ventilation air from the confinement zone of the K East Reactor building before it was discharge into the atmosphere through the 116KE Reactor Exhaust Stack (which CHPRC demolished in late July 2010). The facility was constructed almost entirely below grade. The filters were constructed of particulate and activated charcoal.



Photo 13

Demolition begins on the 115KE Gas Recirculation Building. When the K East Reactor was in operation, the building housed gas circulation pumps, gas dryers, filters, heat exchangers, and related instruments and piping for the reactor gas coolant system.



Photo 14

The area surrounding the 117KE Exhaust Air Filter Building is sprayed with water prior to the start of demolition.



Photo 15

The above-grade berm was removed from the 117KE Exhaust Air Filter Building and the stem walls are exposed for demolition.



Photo 16

A filter is removed from the 117KE Exhaust Air Filter Building. Within a matter of days, the above-ground structures of the facility were demolished, providing demolition and remediation crews access to the below-ground portion of the facility.

Hazardous material removal from the 1706KE/KER substructures is complete. Equipment used for the asbestos abatement and hazardous materials removal is being demobilized in preparation for demolition of the substructures.

Over 100 documents have been reviewed and comments provided to the design team for the draft preliminary design documents for disposition of the 105KE Reactor. Core removal equipment mock-ups have been constructed and will be used next week to test the planned approach and equipment capability for future disposition activities. Samples from the core borings are being analyzed. Additional reactor characterization through borescope evaluation, radiological survey, and collection of graphite samples continues to be pursued. Asbestos abatement in the reactor building is nearing completion.

Interior duct fabrication and installation for the 105KW Fuel Storage Basin facility heating, ventilation, and cooling (HVAC) system upgrade continued. Installation of the interior ducting is complete. Approximately 800 feet of ducting has been installed. Insulation of the ducting continues. Rebar installation and concrete placement for the air handling equipment was initiated.



Photo 17

Rebar is being installed and concrete placed for the air handling equipment that will be part of the heating, ventilation, and cooling system upgrade for the K West Fuel Storage Basin facility.

Infrastructure Utilities Upgrade Project

Installation of the fire water and potable water line continued in the vicinity of the 105KW Reactor and the Cold Vacuum Drying Facility. Soil from trench excavation was loaded for disposal. Trenches with pipe in place were backfilled with controlled density fill, and gravel was placed over the top of the fill. Flushing and testing were started for the recently installed fire water and potable water lines for the remainder of the 100K Area.

Construction of the Water Treatment Facility continued with installation of building insulation and process piping. Sandblasting was completed on the interior of the water storage tank and an interior coating is being applied. Electrical installation was started on the water treatment building.

Construction efforts for refurbishment of the A9 Substation continued. Installation of a new conduit duct bank from the new Switchgear Building to two skids is complete. Pulling of cable through conduit continued. The 230 kV switches were replaced during a clearance outage.

Waste Sites

Remediation work began at the 100-K-109 waste site, an unplanned chemical release site near the former 183.1KW Headhouse, which CHPRC demolished with Recovery Act funding. The following table showcases CHPRC's additional progress in waste site remediation in the 100K Area.

Waste Site in Progress	Tons of Contaminated Soil Removed	
	<i>Week Ending Aug. 13, 2010</i>	<i>Total to Date</i>
100-K-47 (Process Sewer)	-	17,393
100-K-53 (Glycol Heat Recovery Underground Pipelines)	-	350
100-K-56 (Reactor Cooling Water Pipelines)	-	11,843
100-K-63 (100-KW Floodplain)	6,074	15,268
100-K-68 (Pump Gallery and Catch Tank)	-	9,475
100-K-71 (Collection Box)	-	7,569
100-K-102 (French Drains and Mercury Stained Soil near 183KW Sedimentation Basin)	-	10,222
100-K-109 (Unplanned Chemical Release Near 183.1KW Headhouse)	4,033	4,033
116-KE-3 (Storage Basin French Drain)	-	4,328
120-KW-1 (183-KW Filter Water Facility Dry Well)	695	21,589
Below-grade structure/soil removal		
183.1 KW (K West Headhouse)	69	21,309

Work planning continued for the 100-K-64 (100-KE Floodplain), which requires RTD activities. Closure documentation (Remedial Action Report) is being developed or reviewed by DOE for the 118-KE-2 (Control Rod Storage Cave) and 130-KE-1 (Emergency Diesel Oil Storage Tank) waste sites.

Reports for closure documentation were reviewed and accepted by DOE-Richland Operations Office and the regulator last week for the following waste sites:

- Waste Site 100-K-37 (Sulfuric Acid Tank)
- Waste Site 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).



Photo 18

Contaminated soil and below-grade structures are removed from the 100-K-109 waste site, an area of unplanned releases near the former 183.1KW Headhouse.

UPCOMING EVENTS

RL-0011 Nuclear Materials Stabilization & Disposition

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

- Transfer three access control buildings to the CHPRC D&D Project for demolition.
- Continue removing the inner protected area fence line, razor wire, and perimeter alarm systems, and the original Ecology block vehicle barrier.
- Complete surface-contaminated object surveys of glove box HC-230C-3, apply contamination fixative within the box, and remove it from building ventilation.
- Provide in-situ size-reduction capability within the former Analytical Laboratory and initiate packaging and disposal of five previously isolated hoods.
- Complete external isolations and equipment removal from six glove boxes/hoods in room 139 and five hoods in room 144, and complete the disposition of remaining chemicals from room 144.
- Complete cleanout and removal of the remaining glove box in room 180; initiate work on glove boxes in rooms 179 and 188.
- Continue chemical decontamination of three glove boxes in room 235B and initiate

decontamination of glove box HA-46.

- Continue removing process vacuum system piping and initiate removal of process transfer lines.
- Enlarge two doorways and remove the final glove box from room 636 of the 2736-ZB building.
- Complete the removal of large, heavy equipment from six glove boxes in room 642 and remove the first two glove boxes.
- Complete the application of contamination fixative in the 242-ZA control room, resolve ventilation issues in the control room, and initiate isolation and cleanout of glove box WT-2.

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 CWC to PFNW.

RL-0013C:R1.2: TRU Waste

- TRU Retrieval
 - 3A burial grounds:
 - Complete excavation of the ramp to provide access for removing Trench 17 Box 81.
 - Complete work packages for removing Trench 17 Boxes 81 and 1.
 - Resume the removal of Trench 17 Box 2, including completion of a plywood structure around Box 2 and excavation to install base plates for lifting the box.
 - Initiate work on work packages for Boxes 12 and 27.
 - Finish permanent power hook-up to MO-2152.
 - Continue work on the containment structure with receipt and installation of the exhauster/filter train and completion of the factory acceptance test.
 - 4B/4C burial grounds:
 - Complete the Automated Job Hazard Analysis/Enhanced Work Plan for excavator interrogation of the event site work package.
 - Perform mock-up excavator interrogation in the Simulation Test Site Trench.
 - 12B burial grounds:
 - Continue mock-up retrieval activities for contact- and remote-handled waste drums.
 - Complete calibration, confirmation, and verification of the PAN assay Unit.
 - Complete the acceptance and operational tests for drum venting system 3.
 - Complete the acceptance testing on the RTR/DWU.
 - Validate and approve operational procedures for next generation retrieval processes SW-100-185, -183, -197, -182, -178, -198, -181 and -186.
- TRU Repack
 - Five planned TRUPACT-II shipments.

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 100-BC-5, 100-HR-3, 100-KR-4, 100-FR-3, 200-ZP-1, and 300-FF-5.
- Continue planning for well installations at the 100-HR-3 operable unit.

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

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

- Continue demolition and debris load-out of the 224-UA facility.
- Continue asbestos abatement in the U Canyon galleries.
- Continue demolition preparations for the 284-E Powerhouse.
- Continue demolition planning and characterization of the 200 West Area industrial facilities.
- Continue demolition of the 272-E Fabrication Shop and the 275-E Carpenter Shop.
- 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.
- Begin demolition of the T520-6 Navy MARS Radio Station.
- Begin cold and dark isolation activities for communication structures 6633 Franklin County Communications Building, 6635 Crown Castle/Cingular Tower and Building, and 6636 Columbia Communication Tower and Building.
- Continue planning and cultural reviews for removing debris from the North Slope.
- Continue remediation in the BC Control Area, 200-MG-1, and 200-CW-3 areas.

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

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

- Continue demolition of the 183KW Sedimentation Basin Complex.
- Continue demolition of the 115KE and 117KE structures.
- Continue demolition preparation activities for the 1706KE/KER substructures.
- Continue debris removal from the 105KW Fuel Storage Basin.
- Continue activities for upgrading the 105KW HVAC system.
- Continue preliminary design and characterization activities for disposition of the 105KE Reactor.
- Continue remediating soil from waste sites.