

# **ARRA** Weekly Report



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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	1,365 m <sup>3</sup>
TRU shipped	165 m³
Non-radioactive waste shipped	22 m³
Process vacuum system piping removed	68 feet
Asbestos removed	10,364 feet
Ancillary structures demolished or removed	19 fuel vaults/ancillary buildings prepared for demolition:
	<ul> <li>15 fuel vaults disposed</li> </ul>
	<ul> <li>2 structures removed for reuse at other locations</li> </ul>
	<ul> <li>2 structures being demolished</li> </ul>

Eleven shipments of waste were made from PFP this week: eight roll-off containers of LLW shipped individually to the Environmental Restoration Disposal Facility, two shipments comprising 12 drums of TRU/TRU mixed waste sent to the Waste Receiving and Processing Facility (WRAP), and one Standard Waste Box containing the pulser glove box from the Plutonium Reclamation Facility shipped to WRAP for disposal as TRU waste.

#### Laboratory & Processing Areas

In the former Analytical Laboratory, cleanout of six hoods in Room 139 is complete, and the D&D team is removing baffle plates fixed to the back walls of the hoods in preparation for conducting Surface Contaminated Objective surveys. In the former processing areas, chemical decontamination with RadPro is continuing on three glove boxes; progress surveys indicate that a low decontamination factor is being achieved on two of the boxes. Cold testing of the alternative decontamination process is continuing. Windows and gaskets are being removed from glove box HC-230C-3 in an effort to reduce contamination levels to allow it be disposed of as LLW.

#### 2736-Z/ZB Vault Complex

Electrical isolation of glove boxes and equipment in rooms 641 and 642 continued, and additional process equipment was size reduced for removal from the glove boxes. Planning was initiated for enlarging several doorways to facilitate the removal of larger glove boxes from the building.

#### 242-Z Americium Recovery Facility

The 242-Z D&D team continued installation of a replacement containment tent to support resumption of work in the facility. The team also began installing an enclosed breezeway between the 2727-Z change facility and the 242-ZA annex to protect workers dressed out in protective clothing and respirators from outside weather conditions.

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

Removal of contaminated process vacuum system piping continues at a deliberate pace, with 68 feet of piping removed, size reduced, and packaged for transfer to waste operations since this activity began earlier in the month. Mock-ups were conducted to evaluate alternate approaches for contamination control and size reduction that should significantly speed future work. A second D&D team continued preparations for removing process transfer line piping beginning in September. Insulators removed approximately 125 linear feet of asbestos from piping and ducting this week, in addition to supporting



resumption of steam operations. Installation of a second mobile decontamination facility on the west side of the PFP complex is nearly complete.



Photo 1

A second mobile decontamination unit is being installed at the Plutonium Finishing Plant. The facility provides workers decontamination capabilities near their worksite rather than at another location.

#### Ancillary and Security Structures

Physical demolition is complete on two of five security facilities at PFP that are being prepared for demolition two years early with support from Recovery Act funds. The remaining three buildings were electrically and mechanically isolated and transferred to the CHPRC D&D Project to be readied for demolition, expected to begin within two weeks. Removal of various security systems and barriers around the PFP Protected Area is nearing completion, with 50 percent of the 1.5-mile Ecology block vehicle barrier removed by one contractor and 75 percent of the inner perimeter fencing, razor wire, and E-field intrusion alarm system removed by a second contractor.







The 2701-ZC and - ZE access control structures before (photo 2) and after demolition (photo 3). The vehicle inspection portal was the first of several layers of security that workers and vehicles had to pass through before entering the high-security areas of the Plutonium Finishing Plant Complex.





An example of the inner perimeter fence line and razor wire that CHPRC is removing from the Plutonium Finishing Plant. Removing this and other security and access control barriers is helping to clear the area to make way for future decommissioning and demolition activities.

# RL-0013 Solid Waste Stabilization & Disposition

RL-0013C:R1.1: MLLW Treatment

Of the 1,800 m<sup>3</sup> of MLLW and LLW planned for shipment under the Recovery Act:

- 994 m<sup>3</sup> of MLLW and LLW have been shipped to date including:
  - o 836 m<sup>3</sup> that have been treated and disposed.
  - 158 m<sup>3</sup> at off-site treatment facilities awaiting processing. Treatment is scheduled for FY10.

No shipments were made this week.

RL-0013C:R1.2: TRU Waste

Of the 2,500 m<sup>3</sup> of suspect TRU waste planned for retrieval under the Recovery Act:

- 68 m³ are staged, pending shipment.
- 521 m<sup>3</sup> have been shipped to a treatment, storage, or disposal facility.

In the 3A burial grounds, Box 81 was removed from Trench 17. Three middle sections beneath Box 2 in Trench 17 were excavated and the installation of the fire-retardant plywood perimeter was completed. An



integrity test was performed on Box 12 in Trench 17; the box integrity passed, which allows removal plans to proceed. The assay for repackaged contents in Trench 17 Box 81 was completed. Excavation of the overburden in Trench 8 was completed in preparation for the second sub-surface survey. In the 4B burial grounds three Automated Job Hazard Analyses were completed: the Trench 11 *Excavator Interrogation of Event Site* work package, the Mobile Radioactive Decontamination Unit work package to add potable water and remove waste water, and the Excavator Interrogation work package with an operator in a self-contained breathing apparatus. In the 12B burial grounds procedure SW-100-178, *Operation of Gamma Assay*, was validated and approved.

#### TRU Project Drum Repackaging

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

- 1,715 drums (356.8 m³) have been repackaged.
- 85 TRUPACT-II shipments [1,343 55-gallon drums, 24 standard waste boxes (SWBs), two tendrum over-packs, 432 85-gallon over-packs and 246 drums over-packed into 65 SWBs (467.7 m³ total)] have been shipped



Photo 5

Workers secure a ten-drum overpack container so that it can be lifted and placed onto a pallet. The pallet will allow the container to be moved safely and securely via forklift as it is prepared for shipment.



# 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 <sup>1</sup>	Completed or Developed <sup>2</sup>
100-BC-5	Support characterization and removal of chromium (6 wells)	3	2	1
100-KR-4	Support characterization of the vadose zone and aquifer (13 wells)	7	5	4
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)	2	1	-
200-ZP-1	Support the 200 West Groundwater Treatment Facility that will primarily treat carbon tetrachloride contamination in the groundwater (17 wells)	17	16	14
300-FF-5	Support characterization of the aquifer (11 wells)	2	1	-
Site-wide	Decommission wells that are no longer of service <sup>3</sup> (350 wells)			174

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



Workers from the subcontractor Boart Longyear install a well in the 300-FF-5 operable unit, where CHPRC plans to install 11 wells that will support characterization of the aquifer.



<sup>&</sup>lt;sup>2</sup>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.

<sup>3</sup>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

Approximately 150 cubic yards of concrete were placed for the 200 West Groundwater Treatment Facility bringing the project total to date to approximately 1,050 cubic yards. On Aug. 25, representatives from the U.S. Environmental Protection Agency toured the project site for the bi-monthly status. For the four transfer buildings, subcontractor George A. Grant continued construction activities, placing approximately 50 cubic yards of concrete, rock, and gravel. Road crossing construction activities are ongoing in the area of the S/SX tank farms - six of nine road crossings are complete, with one planned for this weekend and excavation permit pending for the final two. Follow-up actions to the CH2M HILL corporate assessment are in process within the Condition Reporting and Resolution System and approximately 60 percent of follow-on actions have been completed.



Workers continue foundation construction for the 200 West Groundwater Treatment Facility.

Photo 7

### DX Groundwater Treatment Facility

Construction of the DX Groundwater Treatment Facility is nearly complete. The progress is listed below.

Building	Electrical Equipment (% complete)	Mechanical Equipment (% complete)
Chemical Addition	25%	50%



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

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

#### **U** Canyon

U Canyon activities focused on preparations for final fixative application on the canyon deck. The scope involves housekeeping and covering the lift bails on the cover blocks. Ongoing activities include preparations for grouting; development of work documents for core drilling operations, water feed connections, electrical supply modifications, and haul road work; and efforts to remove the operating gallery pipe to allow access for asbestos abatement. Walk-downs are being performed to scope out the bulkheads that need to be constructed at doorways to support grouting in the electrical and pipe galleries.

#### **U Plant Ancillary Facilities**

Debris from the demolition of the 224-U and 224-UA buildings is being loaded for disposal.



The remains of the last two U Plant ancillary facilities, the 224-U and 224-UA buildings, that CHPRC demolished with Recovery Act funding. The debris from the recent demolition is being loaded for disposal at the Environmental Restoration Disposal Facility.

#### 200 East Core Industrial Area

Load-out of debris from the 272-E Fabrication Shop continued. Construction of the asbestos abatement containment is progressing in the 284-E Powerhouse. Asbestos abatement in the main powerhouse was



started. Asbestos abatement is complete in the crusher house. Demolition preparations continued, including removal of items that cannot be demolished with the building. Final cleanup at the 275-E Carpenter Shop is in progress.



Sections of asbestos-containing steam pipe are cut and removed at the 284-E Powerhouse, one of nine facilities in the 200 East Area scheduled for demolition with Recovery Act funding.

#### 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

Site preparations continued for placement of support trailers. Housekeeping activities were completed in the Critical Assembly Room (CAR). Work continued on the asbestos abatement of the steam lines within the facility perimeter. A draft copy of the DOE approval documentation for the Documented Safety Analysis (DSA) was provided for review and comment. Project personnel are working with DOE to finalize the approval of the DSA to support inventory reduction activities.





Photo 10

DOE-Richland Operations and CHPRC managers tour the 209-E Criticality Mass Laboratory and discuss planned work activities. CHPRC plans to use Recovery Act funding to decommission and demolish the facility, which once supported nuclear criticality and safety activities and is considered a nuclear facility.

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

#### Arid Lands Ecology Reserve (ALE) D&D

Work to decommission the Hodges Well continued. Debris site cleanup is temporarily suspended because of high fire danger levels. Cold and dark isolation and waste characterization activities continued for communication structures 6633 Franklin County Communications Building, 6635 Crown Castle/Cingular Tower and Building, and 6636 Columbia Communication Tower and Building. Demobilization activities included relocating materials and equipment to the 200 West Area, where it will be used to support upcoming Recovery Act-funded demolition activities.

#### 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. Cultural reviews were completed and provided to DOE for review for the first three areas scheduled for debris removal.



#### 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 has ended and an Action Memorandum is being prepared. A Sampling Analysis Plan and Removal Action Work Plan are being prepared. The project team is actively pursuing resolution regarding issues related to recent non-destructive assay and hazard categorization of the equipment.

#### Waste Sites

CHPRC removed soil from the 600-36 and 600-38 waste sites, two wastes sites in the 200-MG-1 operable unit. The following table showcases CHPRC's recent progress in outer zone waste remediation:

Waste Site in Progress	Tons of Contaminated Soil Removed		
	Week Ending Aug. 27, 2010	Total to Date	
216-N-6	160	8,100	
BC Control Area	7,200	188,500	
600-36	372	372	
600-38	111	111	

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

- 200-MG-1
  - o 216-S-26: The request for proposals was issued and is being evaluated by vendors.
  - o 600-36: Excavation to remove residual arsenic should complete the week of Aug. 30.
  - o 600-38: Additional waste site cleanup was completed on Aug. 25.
  - o 600-40: Excavation is on hold awaiting process sampling; results are expected by Sept. 7.
  - o 600-222: Field excavation is expected to commence immediately after approval of the 200-MG-1 Remedial Action Work Plan (RAWP).
  - o 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.
  - o 600-228: Direct push sampling will commence in late August.
  - o 600-275: Excavation has cleared all seven pads of soil; five of the pads have been extracted. A processor has been obtained and processing/downsizing the concrete remnants will commence the week of Aug. 30, 2010.
  - o 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.
  - o Planning for RTD activities continued for the 200-W-33 and 600-218 waste sites.
  - o Closure documentation is being prepared for the 600-37 waste site.
  - Closure documentation was sent to DOE-Richland Operations Office for the 600-262 waste site.
- 200-CW-3
  - o 216-N-4: The field excavation and initial verification field sampling are complete.
  - o 216-N-6: Excavation is entering the final phase; initial screening indicates some small spot excavation is still required. Radiological down-posting is scheduled for next week.
- BC Control Area
  - o For Zone A, approximately 52 acres have been excavated and surveyed.
  - o 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 of the 183.3KW Filter Basin structure is essentially complete with debris load-out in progress. Demolition and debris load-out also continued on the 183.7KW Pipe Tunnel.



Photo 11

Rubble and debris are almost all that remain of the 183KW Sedimentation Basin, an approximately 290,000-squarefoot structure that was used to treat water with various chemicals before it was sent to the reactor.

Above-ground demolition of the 117KE Exhaust Air Filter Building is complete and demolition of the 115KE Gas Recirculation Building is in progress. Load-out of debris continued for both facilities.



Demolition continues on the 115KE Gas Recirculation Building.

Three process and sewer drain lines at the remaining 1706KE/KER building substructures were accessed and isolated in preparation for continuing demolition of the facilities.

Review of preliminary design documents for disposition of the 105KE Reactor should be complete next week. A report on the testing of the planned equipment and techniques for future disposition activities using mock-up facilities is being prepared. Additional graphite samples for reactor characterization are being pursued.



Photo 13

At an off-site location, a mock-up is performed to test equipment and techniques that may be used for future activities to disposition the K East Reactor.

Interior duct fabrication and installation continued for the 105KW Fuel Storage Basin facility heating, ventilation, and cooling system upgrade. Insulation of the approximately 800 feet of interior ducting is about 65 percent complete. The three exterior air handling units were delivered and are being prepared for installation.



Photo 14

The air handling units for the 105KW Fuel Storage Basin facility heating, ventilation, and cooling system were delivered and staged for installation.

#### *Infrastructure Utilities Upgrade Project*

Installation of the fire water and potable water lines in the 100K Area continued. Fire water pipe trench excavation continued near the Cold Vacuum Drying Facility. Pressure testing continued for the recently installed potable water lines for the remainder of the 100K Area.

Installation of process piping, interior electrical wiring, interior framing and drywall, and fire sprinkler lines is in progress for the water treatment building that will be part of the Water Treatment Facility. Application of the exterior coating is complete for the water storage tank.

Construction efforts for refurbishment of the A9 Substation continued. The preliminary check continued for confirming that the substation wiring is connected as designed. Planning and hazards analysis were performed for the transformer installation. The main transformer and accessories were received.

Construction continued for the 13.8kV electrical line re-route. Installation of new line poles continued with 17 of 20 installed. Aerial conductors and a transformer are being installed on the poles.





Photo 15

Connections are made to supply power to the new Water Treatment Facility under construction in the 100K Area.

#### Waste Sites

Removal of contaminated soils and subgrade structures is complete beneath the former 183.1KW Headhouse. The following table showcases CHPRC's progress in 100K Area waste site remediation.

Wasta Sita in Dragrass	Tons of Contaminated Soil Removed	
Waste Site in Progress	Week Ending Aug. 27, 2010	Total to Date
100-K-47 (Process Sewer)	-	17,393
100-K-53 (Glycol Heat Recovery Underground Pipelines)	-	350
100-K-56 (Reactor Cooling Water Pipelines)	-	11,849
100-K-63 (100-KW Floodplain)	4,973	25,041
100-K-68 (Pump Gallery and Catch Tank)	-	9,478
100-K-71 (Collection Box)	-	7,569
100-K-102 (French Drains and Mercury Stained Soil near 183KW Sedimentation Basin)	3,270	13,601
116-KE-3 (Storage Basin French Drain)	3,469	7,502
120-KW-1 (183-KW Filter Water Facility Dry Well)	-	4,328
Below-grade structure/soil removal		
183.1 KW (K West Headhouse)	COMPLETE	21,329

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.





Workers collect samples at the 1607-K3 waste site, a Septic Tank and Associated Drain Field located near the K West Sedimentation Basin. The sampling will determine if contamination levels in the soil meet cleanup standards and if any additional soil needs to be removed from the waste site.

# **UPCOMING EVENTS**

# **RL-0011 Nuclear Materials Stabilization & Disposition**

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

- Complete preparations for demolition of three additional access control buildings.
- Complete removal of the perimeter vehicle barrier, inner protected area fence lines, razor wire barriers, and perimeter alarm system.
- Complete removals of selected windows/gaskets from 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 14 drums (2.9 m<sup>3</sup>) of LLW debris sent from CWC to PermaFix-Northwest.

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

- TRU Retrieval
  - o 3A burial grounds:
    - Ship Trench 17 Boxes 81 and 2 to the CWC.
    - Issue work package on Trench 17 Box 1 retrieval.
    - Complete planning for retrieval of Trench 17 Box 12.
    - Complete excavation of first three feet of overburden, perform the second subsurface survey of Trench 8, and receive results.
    - Clear Trench 8 near-surface anomalies from the second survey, mark container locations, and begin excavating for waste container removal.
    - Complete draft work package/critical lift plans for initial Trench 8 waste containers.
  - o 4B/4C burial grounds:
    - Schedule a hazard review board meeting for the 4B Trench 11 Excavator Interrogation of Event Site work package.
    - Continue review of the unreviewed safety question and management assessment requirements for use of an excavator to mitigate 4B Trench 11 event site.
    - Complete excavator interrogation of site mock-up for the Trench 11 event site.
    - Begin preparation of the 4B Trench 11 retrieval plan.
  - o 12B burial grounds:
    - Continue mock-up retrieval activities for contact- and remote-handled drums.
    - Complete calibration, confirmation, and verification of the passive/active neutron assay unit.
    - Complete the acceptance and operational tests for Drum Venting System 3.
    - Complete the operational test for the real-time radiography/drum warming unit.
    - Validate and approve procedures SW-100-181, -182, -183, -185, -186, -197 and -198.
- TRU Repack
  - o Two 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.



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

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

- Continue debris load-out of the 224-U and 224-UA facilities.
- 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 debris load-out for the 272-E Fabrication Shop.
- Complete debris load-out, cleanup, and site stabilization of 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 cold and dark isolation and waste characterization activities for communication structures 6633 Franklin County Communications Building, 6635 Crown Castle/Cingular Tower and Building, and 6636 Columbia Communication Tower and Building.
- Complete the demolition of the 6630 Hodges Well concrete slab.
- Continue demobilization activities on the ALE Reserve.
- Continue planning and cultural reviews for removing debris from the North Slope.
- Continue planning, document preparation, and compilation of characterization information for disposition of the railcars.
- 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 structures.
- Continue demolition of 115KE.
- Begin demolition of the 1706KE/KER substructures.
- Continue activities for upgrading the 105KW HVAC system.
- Continue preliminary design and characterization activities for disposition of the 105KE Reactor.
- Continue with the Infrastructure Utilities Upgrade Project activities.
- Continue remediating soil from waste sites.

