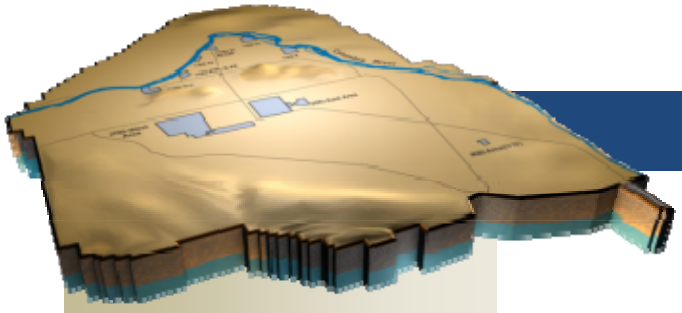
CH2MHILL
Plateau Remediation Company

ARRA Weekly Report



Week Ending May 28, 2010

June 1, 2010
Contract DE-AC06-08RL14788
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Contents

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 m^3 of suspect transuranic (TRU) waste, eliminate 1,800 m^3 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

No additional glove boxes/laboratory hoods or waste was removed from PFP last week. Field D&D work was limited while management and employee concerns were resolved regarding beryllium control and other safety issues. By the week's end, entry restrictions to process, laboratory, and duct-level areas were lifted, routine surveys and air sample collection were under way, and work was beginning to be released.

Laboratory & Processing Areas

Two glove boxes and three laboratory hoods from the process and laboratory areas of 234-5Z building are awaiting transport for disposal as LLW at the Environmental Restoration Disposal Facility (ERDF) the first week of June. D&D crews participated in safety briefings and team meetings, and focused on developing plans, job hazard analyses, and work documents for future work activities. Brainstorming sessions were held to discuss the best approach for cleaning out and size reducing RMA Line process glove box HA-9A. This will be a challenging glove box with radiological dose considerations, numerous criticality control constraints due to the high fissile inventory, limited visibility, and work space issues.

Photo 1

A worker secures a shipment of glove boxes and laboratory hoods removed from the process and laboratory areas of the 234-5Z building. The shipment is awaiting transport to the Environmental Restoration Disposal Facility.

A lid is lowered onto a container of glove boxes and laboratory hoods removed from the 234-5Z building at the Plutonium Finishing Plant. The glove boxes and hoods were decontaminated to meet low-level waste criteria and the contents will now be shipped to and disposed of at the Environmental Restoration Disposal Facility.

Photo 2

242-Z Americium Recovery Facility

Despite interim roof repairs completed during April, after the recent rain the 242-Z D&D team identified water on the floor in the airlock separating the 242-Z control room from the 242-ZA annex. This is the first time water has been observed in this location, indicating additional areas of the roof will need to be patched prior to beginning the next set of entries into the control room to apply contamination fixative. Walk-downs and work planning continued to support the next phase of D&D work at the facility, which is to mechanically and electrically isolate the control room from external energy and utility sources.

Security structures and systems

Removal of the mile-long "Great Wall" vehicle barrier surrounding the PFP complex is complete. More than 700 jersey barriers and thousands of tons of rock and gravel fill have been removed for reuse by CHPRC's Waste and Fuels Management Project. With this work complete, Hanford's Mission Support Contractor initiated procurement actions on a separate subcontract to remove several thousand concrete Ecology blocks and over 1.5 miles of cable from a separate vehicle barrier that once protected PFP. The Ecology blocks will be relocated and used for upgrading security at another onsite location, beginning in July.

Photo 3

Thousands of Ecology blocks connected with heavy cable will be removed next from the Plutonium Finishing Plant (PFP) for use on another Hanford Site project. This is the second of two former vehicle barriers that previously surrounded the PFP complex and is no longer of service following the emptying of PFP's fuel vaults and downgrade in security. The first barrier, consisting of more than 700 jersey barriers and associated gravel fill, was recently removed for reuse by CHPRC's Waste and Fuels Management Project.

Infrastructure, process support systems, and equipment removal

Planning continued and reached 75 percent completion on five work packages required to clean out and relocate or remove large air drying systems in the duct level of the 234-5Z building. Most facility modification activities at PFP were suspended last week along with associated D&D activities.

RL-0013 Solid Waste Stabilization & Disposition

RL-0013C:R1.1: MLLW Treatment

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

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

One shipment consisting of three different wastes streams was sent out on May 26 in one truck. The shipment included four drums (1 m³) of LLW debris from the Waste Receiving and Processing Facility (WRAP) that will be volume reduced, stabilized, and packaged for disposal in Hanford's Mixed Waste Disposal Units, seven drums (1.9 m³) of MLLW debris from WRAP that was previously classified as TRU waste, and four drums (0.8 m³) of MLLW debris from the Central Waste Complex. The second and third streams will be non-thermally treated through macro-encapsulation and then packaged for disposal in Hanford's Mixed Waste Disposal Units. The shipment was sent to Perma-Fix Northwest (PFNW).

Photo 4

A close-up on a portion of a waste shipment that contained mixed low-level waste debris, low-level waste debris, and mixed low-level waste debris that was previously classified as transuranic waste. All the waste will be shipped to Perma-Fix Northwest to be packaged for disposal in Hanford's Mixed Waste Disposal Units.

RL-0013C:R1.2: TRU Waste

Of the 2,500 m^3 of suspect TRU waste planned for retrieval under the Recovery Act:

- 17.1 m^3 are staged, pending shipment.
- 431 m^3 have been shipped to a treatment, storage, or disposal facility.

The Waste Retrieval Group workforce was briefed prior to returning to work in 3A Trench 17. Repairs to the trench slopes were initiated on May 25. Removal of the wire rope from the crane and disposal of the wire rope spool in an ERDF box was completed. The crane is now ready to assist with removal activities in 3A Trench 17.

Results from the subsurface survey were reviewed with Waste Retrieval Project Management and the 3A Team. Construction forces continued erecting the Portable Containment Structure and mobile office set-up at the 3A Burial Ground. A kick-off meeting was held for development of the 3A Trench 8 Retrieval Plan and set-up of a two-day facilitated session to complete the draft plan by June 4.

In 4B Trench 11, SUMMA canister and decontamination line water samples were transferred to the Waste Sampling and Characterization Facility for analysis. Preliminary results were received and indicated no hazardous gas concentrations near the 4B Trench 11 area. Cleanup and recovery of equipment from the former exclusion zone was initiated.

The start-up for the Mobile Decontamination Unit (MDU) continued and the draft of the operations procedure was completed and sent for review. The Next Generation Retrieval (NGR) Drum Warming Unit component was received and installation was initiated. A vendor demonstration was conducted for a motorized robot that may provide additional capabilities to retrieval operations.

Photo 5

Workers observe the operations of a motorized robot that is being considered for its potential to provide additional capabilities to retrieval operations.

Alpha Caisson Retrieval Project

Preparation for the Baseline Change Request continued. The 30 percent of the preliminary design on the Waste Processing System was received May 16 and routed for review. An overview of the project was provided for the Washington State Department of Ecology. An updated acquisition plan was received from the ARES Corporation and additional guidance was offered to AREVA on their acquisition plan. Closeout on the Alpha Caisson Retrieval Project continued. The project will be completed to 30 percent design.

TRU Project Drum Repackaging

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

- 1,364 drums (283.8 m³) have been repackaged.
- 42 TRUPACT-II shipments [1,259 55-gallon drums, 24 standard waste boxes (SWBs), two ten-drum over-packs and 146 drums over-packed into 37 SWBs (339.6 m³)] have been shipped.

Photo 6

A TRU-PACT II shipment is ready for departure to the Waste Isolation Pilot Plant.

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

RL-0030.R1: Central Plateau Soil & Groundwater

Well Drilling & Decommissioning

Scout, a subcontractor to CHPRC, began drilling the first of 11 wells planned for installation with Recovery Act funding in the 300-FF-5 operable unit. The wells will support characterization of the aquifer. 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	22	18
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)	12	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)			118

[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 are waiting for State historic preservation officer approval.
[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.

200 West Groundwater Treatment Facility

Excavation of the foundations for two of the four transfer buildings was initiated last week. In addition, Skanska USA Building Inc., the contractor for construction of 200 West Groundwater Treatment Facility, continued mobilizing construction forces and integrating with their CHPRC counterparts.

Photo 7

An excavator removes soil from the site where CHPRC will construct a foundation for one of the four transfer buildings that will support 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	80%	85%
Transfer (M1)	98%	100%
Transfer (M2)	80%	90%
Electrical Power Rack Tie-In		45%
HDPE Piping Installation		74%

The interior of one of the transfer buildings for the DX Groundwater Treatment Facility, where installation of electrical and mechanical equipment is nearly complete.

Photo 8

Photo 9

Resin treatment tanks are positioned and being installed in the process building of the DX Groundwater Treatment Facility.

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

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

U Canyon

Annual mechanical and electrical maintenance on the bridge crane is complete. Life Safety Code requirements have been addressed to the point that activities within the canyon have resumed. Installation of emergency lights or alternative measures are still required outside of the canyon. A statement of work for grout supply and conveyance was finalized and a request for proposals will be issued by the week's end. A second statement of work was issued for procuring a cask to support transfer of the D-10 tank to T Plant. Work continued on remediating asbestos in the operating and pipe galleries.

U Plant Ancillary Facilities

Demolition is under way on the remaining U Ancillary facilities. Last week, activities included removal of the north-end piping and supports at the 224-U building. Waste load-out, removal of the 224-U building stack, and demolition of the 203-UX building are slated to begin next week.

Photo 10

Demolition begins on the exterior piping and supports at the north-end of the 224-U building. The 224-U building is one of three ancillary facilities left at the U Plant that CHPRC is demolishing with support from 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 as well. Construction of the asbestos containment systems and scaffolding in the Powerhouse is on hold pending completion of cold and dark activities. At MO-405, the superstructure has been demolished and waste load-out is in progress.

Photo 11

Demolition of the MO-405 office building continues. The waste is being loaded into containers for disposal at the Environmental Restoration Disposal Facility.

200 West Area Industrial Facilities

Planning and initial characterization activities are now under way for the demolition of six industrial structures in 200 West Area. The structures are 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

Document development continued. The Facility Hazards Analysis, Documented Safety Analysis, and Criticality Safety Evaluation Report are in the approval process. Environmental documents have been revised to address the current scope and other issues and are expected to be transmitted to regulators beginning next week. Preparation of work documents for the facility Life Safety Code upgrades is complete and materials needed to perform the upgrades were received. Characterization activities will resume once the necessary Life Safety Code upgrades are complete.

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 6652-C Nike Building/Space Science

Laboratory and 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	
	Week Ending May 28, 2010	*Total to Date*
600-36	455	1,100
600-40	675	1,300
216-N-4	3,000	28,200
BC Control Area	4,600	116,800

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

- *200-MG-1*
  - 600-36: Based upon sample data, additional excavation occurred this week.
  - 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.
  - 600-226: 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.
  - 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 29.5 acres have been excavated and surveyed; for Zone B, 850 acres have been surveyed and the hazards were down-posted from a radiologically contaminated area. Surveying in Zone B has been temporarily stopped due to concerns involving migratory birds.

Photo 12

An excavator removes soil from Zone A of the BC Control Area, where CHPRC has used Recovery Act funding to excavate and survey approximately 30 acres.

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 13

A mister sprays water to control dust during demolition of the 183.7KW Pipe Tunnel, which runs the width of the Sedimentation Basin and includes two raw water lines, a sewer line, and an elevated walkway.

Photo 14

Sections of the 183.7KW Pipe Tunnel. The Pipe Tunnel comprised two raw water lines and a sewer line that extended from the Headhouse through the center of the Sedimentation Basin to the 190KW Process Water Pump House.

Installation of interior ducting as well as scaffold erection to support ducting installation continued as part of the heating, ventilation, and cooling system (HVAC) upgrade to the 105KW Fuel Storage Basin facilities. About a third of the work has been completed.

Preliminary design activities and document preparation for disposition of the 105KE Reactor continued. The initial preliminary design documents should be available in early June. Core boring began at the second of four locations. Samples from the first core boring location are being processed and analyzed. Asbestos abatement preparations and hazardous material removal continued in the 105KE Reactor building.

Photo 15

A worker prepares to remove a sample from the core of the K East Reactor. The sampling will be used to characterize the reactor core and plan future work activities.

Infrastructure Utilities Upgrade Project

Installation of the import water line continued. About 8,100 feet of pipe and fittings have been installed to date, with three completed road crossings. Overall, installation of the import water line is about 70 percent complete.

Installation 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. Filling of the 12-inch fire water line for flushing and testing activities started.

Installation of a 4-inch potable water pipe to the 105KW Reactor building and Cold Vacuum Drying Facility continued. Fitting and saw cutting locations for the fire and potable water pipe installation on the west side of the 105KW Reactor building were marked. A staging area was prepared for placement of ERDF containers that will be used to receive soils removed from the work site. Contractor submittals are being processed for installation of the fire water and potable water lines for the remainder of the 100K Area.

Concrete form construction continued for the Water Treatment Facility. Concrete was placed for the sump floor. Off-site fabrication of the tank foundation formwork is complete with delivery expected this week. Off-site fabrication for under-slab piping is complete. About 50 percent of the under-slab piping has been

installed with two of five field welds completed. The 12-inch fire water line has been installed from the site boundary to the building foundation. Under-slab electrical conduit has been placed and inspected. Off-site fabrication continued for the fire pump, tank, and microfiltration unit for the Water Treatment Building.

Conduit and vault installation for the A9 Switchyard Site is nearly complete. Demolition work was initiated to remove eight abandoned insulator poles and two switch towers. These items need to be removed in order to install the new substation skids.

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

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	
	Week Ending May 28, 2010	*To date*
100-K-47 (Process Sewer)	1,140	12,040
100-K-53 (Glycol Heat Recovery Underground Pipelines)	-	200
100-K-56 (Reactor Cooling Water Pipelines)	900	9,600
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)	2,900	9,100

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)
- 100-K-63 (West Floodplain) – Planning continued for the remediation of the waste site.

Photo 16

CHPRC is using Recovery Act funding to concurrently demolish facilities and clean up waste sites in the 100K Area. An excavator (right) removes soil from the 120-KW-1 waste site, which is associated with the 183KW Sedimentation Basin Complex (left) where CHPRC is currently demolishing the 183.2KW Sedimentation Basin walls, the 183.3KW Filter Basin, and the 183.7KW Pipe Tunnel.

UPCOMING EVENTS

RL-0011 Nuclear Materials Stabilization & Disposition

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

- Ship five additional glove boxes/hoods to ERDF for disposal as LLW.
- Complete equipment removal from six glove boxes/hoods in room 139 and initiate cleanout of two hoods in room 141.
- Continue isolation and cleanout of three glove boxes/hoods in rooms 180 and 188.
- Complete the expansion of doorway 638; 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.
- Separate glove box 400 from glove box 200 and remove it from building ventilation.
- Begin chemical decontamination of glove box HA-28 and complete external isolations from glove box HA-46.
- Restart work on glove boxes 227-S and 227-T.

- 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 it from the 2736-ZB building.
- Install a new glove box panel and load-out port in room 642 of the 2736-ZB building to allow for removal of larger and heavier equipment.
- Complete updated non-destructive assay 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 two drums (0.4 m^3) of LLW debris sent from WRAP to PFNW.
- Planned shipment of 13 drums (4.1 m^3) of MLLW debris, previously classified as TRU waste, sent from WRAP to PFNW.

RL-0013C:R1.2: TRU Waste

- TRU Retrieval
  - Validate MDU operating procedure and start-up.
  - Continue preparation for removing 3A Trench 17 Box 3.
  - Complete 3A Trench 8 Retrieval Plan and issue for approval.
  - Complete Hazard Review Board dry-runs for repackaging 3A Trench 17 Boxes 80 and 82 using work package 2X-09-3416.
  - Continue work on erecting Portable Containment Structure and setting up mobile office at the 3A Burial Ground.
  - Develop a plan for determining industrial hygiene and radiological conditions from the excavated portions of 4B Trench 11.
  - Receive 4B Trench 11 Recovery Plan decontamination line rinse water laboratory results and disposition rinse water and materials.
  - Complete global positioning system map and ground-penetrating radar scan of the NGR site at 3A Burial Ground.
  - Complete installation of NGR real-time radiography system and Drum Warming Unit.
  - Initiate NGR assay calibration, confirmation, and verification.
  - Complete installation of the NGR RapidPort Dart Venting System.
  - Install the NGR box loading stations.
- Alpha Caisson Retrieval
  - Receive bids on the remote retrieval system mock-up demonstration/validation by June 1.
  - Complete project closeout efforts by July 2.
  - Closeout 30 percent design review with AREVA and the ARES Corporation by June 11.
  - Complete acquisition plans by June 15.
- TRU Repack
  - Three 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 relocating equipment from the U Canyon deck into the process cells.
- 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.