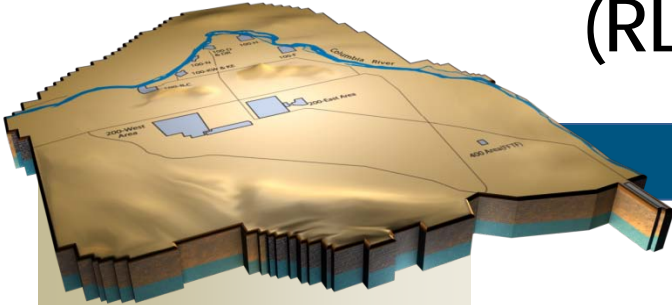


Section F

Nuclear Facility D&D, River Corridor (RL-0041)



Monthly Performance Report

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**105KE Demolition Progress and
1706KE Below-Grade Demolition**

December 2010
DOE/RL-2010-126-12, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

American Recovery and Reinvestment Act (ARRA)

Facilities

- Resolving comments from the Preliminary Design Review Meeting for the 105KE Reactor Core Removal Project
- Work is continuing on 105KE Reactor Disposition Interim Safe Storage activities; planning for soil characterization using direct push technology, was initiated this month.
- Continued demolition for below-grade portions of the 115KE Gas Recirculation Building and 117KE Exhaust Air Filter Building
- Continued characterization of the 181KE River Pump House/1605KE Guard House
- Continued characterization of the 183.1KE Head House
- Issued contract for disposal of stock-piled debris from the 183.2KW Sedimentation Basin Complex
- Planned for deactivation on the 183.4KE Clear Well, 183.4KW Clear Well, and 190KW Main Pump House
- Began asbestos removal on the 190KE Main Pump House

Waste Sites

- Excavation and load out of soils commenced this month at 1706KE and 1706KEL
- Load out of soils resumed at 100-K-3 this month
- Work continued on the 116-KE-1 Condensate Crib. Work continued on cleanup around the 100-K-42 Fuel Storage Basin and associated discharge chute removal.
- Continued waste site remediation of the below listed remove, treat, dispose (RTD) sites:

Active Excavation on ARRA Waste Sites or Subgrade Structure	Dec 2010	
	Tons	Loads
100-K-42	2,872	177
115-KE	966	59
117-KE	98	5
1706-KEL	1,003	48
1706-KE	488	25
100-K-3	130	6
Monthly Total	5,557	320
Previous Cumulative (all sites under ARRA)	68,006	3,919
ARRA Cumulative (FY-09 to Date)	73,563	4,239

Work resumed in mid-month on UPR-100-K-1 (work performed as 100-K-42), 100-K-53, 100-K-77, and 116-KE-1 as D4 activities wrapped up in the immediate areas. 100-K-57 and 100-K-64 are suspended pending contractual action and response from Washington State and the Tribes to the Cultural Mitigation Action Plan submitted to RL in mid-December. Sites associated with the cultural mitigation plan are currently in jeopardy of missing the Tri-Party Agreement (TPA) milestones. Plans are being made to address the additional contamination removal where available.

Other

Sludge vacuuming has been completed overall in the K West Basin. Over 679 debris units have been removed or dispositioned from the K West Basin to date.

HVAC Project: HVAC equipment is in full sustained operation and performing as anticipated, providing a more suitable environment for K West Basin employees. Final closeout of punch list items is being worked in preparation for issuance of the final Construction Closure Document and demobilization of the subcontractor.

Electrical Project: Continued work to close out punch list activities necessary to complete transitioning from the existing A-7 yard to the new A-9 yard/substation. Included is the drilling of the first of two grounding wells near the new A-9 substation. Transfer of electrical loads from A-7 substation to the new A-9 yard/substation is scheduled with Bonneville Power Administration for mid-February.

Water Project: Operational testing of the microfiltration unit has been delayed to early January to correct instrumentation issues. Redesign of the building's fire sprinkler systems, fire alarm system, interior fire wall construction, and fire tank instrumentation are complete with installation continuing.

Base

Facilities

- 105KE Reactor Disposition Engineering Evaluation/Cost Analysis (EE/CA), Draft A, is released for public comment. The 60% design review was conducted in November for the 105KE Reactor Core Removal Project as requested by RL.
- Continued demolition preparation for the 110KW Gas Storage Facility
- Continued deactivation of the 115KW Gas Recirculation Building and 117KW Exhaust Air Filter Building
- Began below-grade demolition of the 1706KE Radiation Control Counting Laboratory. Continued planning for the 1706KER Water Studies Recirculation Building.
- Deactivation is on hold for four buildings which will be removed at the same time, they cannot be removed until after their occupants and contents are moved to other buildings and connex boxes. The buildings are the 1717K Maintenance Transportation Shop, 1717AKE Electrical Shed, 1724K Maintenance Shop, and 1724KA Storage Shed.

Waste Sites

- Sampling was performed at waste site 100-K-102 as the staining and associated contamination plume is uncovered
- Excavation at waste site 120-KW-1 continued this month. This waste site is a large excavation that includes waste sites 100-K-18, 100-K-34, and 120-KW-2. Due to the close proximity and required comingling of waste streams, the site is being excavated under one waste site name, specifically 120-KW-1.

Continued waste site remediation of the below listed RTD sites:

Active Excavation on Base Waste Sites	Dec 2010	
	Tons	Loads
100-K-102	1,584	79
120-KW-1	3,319	158
100K-63	0	0
Monthly Total	4,903	237
Previous Cumulative (all sites under Base)	183,939	9,468
Base Cumulative (FY09 to Date)	188,842	9,705

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
10-EMS-100K-OB3-T1	Integrate methods for controlling air emissions into 105KE reactor core removal planning	Include methods for controlling air emissions in detailed design package	08/31/10	Complete
10-EMS-D&D-OB2-T2	Mitigate spill impacts	1) Develop spill management tools for routine activities (building demolition and surveillance and maintenance)	03/31/10	Complete
		2) Evaluate the need for lower tier project procedures to implement the PRC spill response procedure	04/30/10	Complete
		3) Develop and provide awareness, prevention, response and mitigation training to >85 percent of project personnel as related to spill response	05/30/10	Complete
		4) Review and validate pre-designations for commonly used chemicals at the facility	06/30/10	Complete
		5) Incorporate new spill requirements into applicable procedures/work packages based upon issuance of spill response procedure	04/30/10	Complete
		6) Evaluate the need for a system to pre-designate new chemicals	06/30/10	Complete

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	3	N/A
First Aid Cases	1	28	12/19 RCT complained of right ankle pain after rolling their ankle while walking down stairs at mobile office MO1111. Worker was evaluated at AMH where a cold pack and compression bandage were administered. The worker was then returned to work without restriction. (21584)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

ARRA

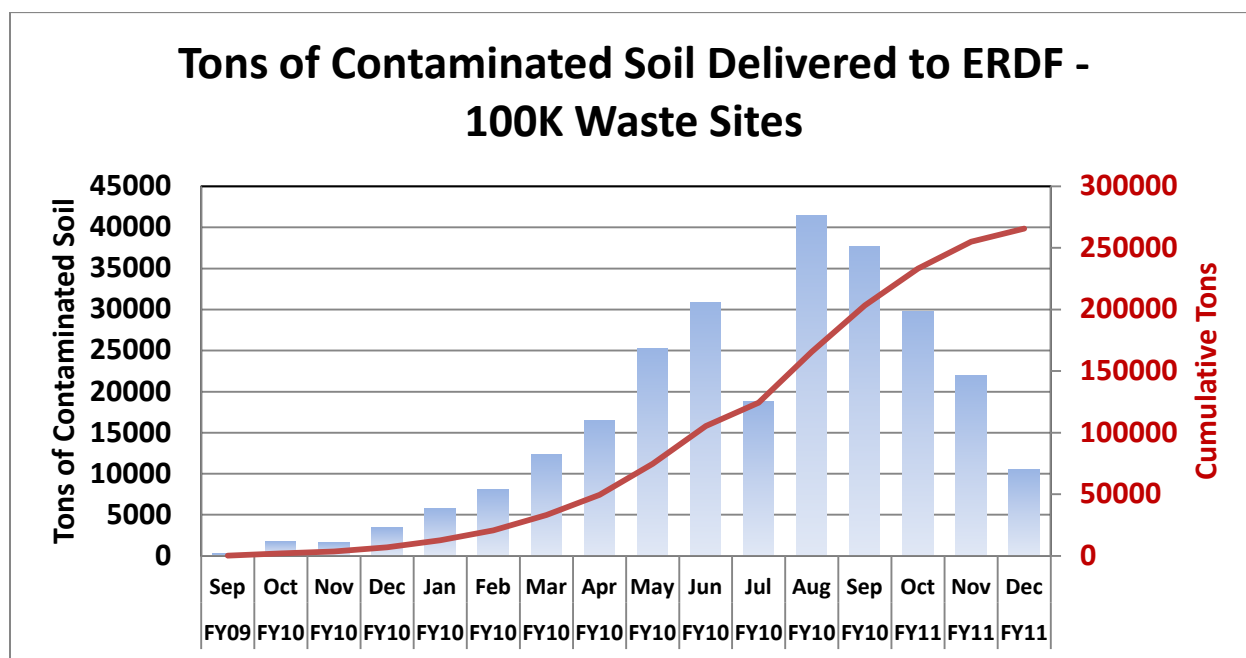
Facilities

- Resolving comments from the 105KE Reactor Core Removal preliminary design review
- 105KE Reactor completed demolition of the discharge chute and is continuing on the west side of the reactor building
- The 115KE Gas Recirculation Building below-grade demolition was initiated by Waste Site Remediation's subcontractor and should finish in late January
- The 117KE Exhaust Air Filter Building below-grade demolition will begin in February, after the 115KE facility is removed
- Deactivation is being performed as a mega-package affecting 183.1KE Head House, 183.7KE Tunnel, 181KE River Pump House/1605KE Guard Shack, and 190KE/190KW Main Pump Houses. Deactivation is on hold but should complete in mid-March after major electrical and water system upgrades are completed in mid-February. Characterization sampling of the 181KE River Pump House/1605KE Guard House should complete in late January. Demolition planning for procuring a river silt barrier and stockpiling rip-rap to backfill during demolition are in process so everything is ready for demolition once the facility is deactivated.
- Characterization sampling of the 183.1KE Head House was completed in mid-December with the final report being issued in mid-January
- Demolition load-out of the stockpiled 183.2KW Sedimentation Basin debris is being planned. A contract was issued to create the haul road at U Plant and prepare a U Plant stock-pile area for receipt of this rubble by the middle of January. Another contract is in place to haul the clean rubble to U Plant, then stop off and bring clean dirt back from ERDF which will be used for backfill at 100K.

- The only remaining glycol is in the 165KE Power Control Building glycol lines which will be drained after the 165KE boiler room asbestos removal is completed
- The 183.4KW and 183.4KE Clear Well deactivation was placed on hold, as part of the mega-package awaiting mid-February utility upgrades. The 183.2KE Sedimentation Basin and both clear wells will continue to supply fire protection water until after major electrical and water system upgrades are completed in mid-February. The basins and clear wells must be drained prior to below-grade demolition of 182K Emergency Water Reservoir Pump House (detailed in base workscope below). This narrow window of opportunity is being carefully planned.
- Asbestos removal is on hold in the 190KE Main Pump House; below-grade asbestos was removed in prior months. Building occupants should be moved out by late January, allowing above-grade asbestos removal to resume and complete in early March. Accelerating asbestos removal will streamline progression to demolition once the mega-deactivation is completed in late January.

Waste Sites

Work progressed somewhat slower than expected for the month of December. Weather delays were caused by wind and snow during the month. The monthly total for December was somewhat diminished from recent months but still above plan.



HVAC Project

- Performed successful systems testing under full operation

Electrical Project

- Began working closeout activities required for transitioning from A-7 yard to A-9 yard/substation.
- Completed grounding grid evaluation on the A-9 switch yard

Water Project

- Obtained subcontractor fire protection engineering support to resolve outstanding fire protection issues
- Successfully reworking and correcting issues with fire protection design and installation

Other

- Completed sludge vacuuming in the K West Basin, and continued to video and review for found fuel in the East Bay of the K West Basin. The Final Debris Campaign was placed on hold awaiting the completion of sludge sampling from containers 210 and 230.

Base**Facilities**

- 116KW Reactor Exhaust Stack is on hold. This facility has a slight risk of falling onto the 105KW Basin, thus was deferred from FY2010. The waste site under this facility is related to a 2012 TPA milestone. Negotiations are under way on the TPA milestone, after which time the 116KW facility demolition will be re-scheduled after completion of the 105KE Basin work.
- 110KW Gas Storage Facility demolition will be performed on the tanks in February, with the balance of the building removed with 115KW. The adjacent rail car offload station will be removed as part of this facility's cleanup.
- The 115KW Gas Recirculation Building additional hard-to-detect sampling is scheduled for January after scaffold is erected. Electrical isolation is planned in mid-January. Asbestos removal was begun and should complete in March.
- The 117KW Exhaust Air Filter Building electrical isolation is planned in January. Above-grade demolition is planned to start in February.
- The 119KW Exhaust Air Sampling Building electrical isolation should complete in January.
- The 1706KE Radiation Control Counting Laboratory and 1706KER Water Studies Recirculation Building substructures have been turned over to Waste Site Remediation's subcontractor for removal with their adjacent waste sites. 1706KE below-grade demolition began in December after which the crew will move to 1706KER below-grade demolition.
- After the utilities upgrades finish in mid-February, a group of facilities will be deactivated as part of a "mega-package" approach. Their initial characterization walk downs have been performed, and characterization sampling finished in September. These facilities are 105KE/KW Tunnels, 1506K1 Fiber Optics Computer Hut, 165KE/KW Power Control Buildings, 166AKE Oil Storage Facility, 166KE/166KW Oil Storage Vaults, 167K Cross-Tie Tunnel and Building, 1705KE Effluent Water Treatment Pilot Plant, 181KW River Pump House/1605KW Guard House on 181KW, 183.2KE Sedimentation Basin, 183.3KE Filter Basin, 183.5KE/183.6KE Lime Feeder Buildings, and 185K Potable Water Treatment Plant. The 1908K Outfall and 1908KE Effluent Monitoring Station were added to this scope, which is accelerated from FY2012. The 151K Electrical Substation was also added, which is accelerated from FY2013. Once the en-mass deactivation occurs, the demolitions will be performed on a staggered schedule.
- Deactivation has been placed on hold for four buildings which will be removed at one time after the utility upgrades occur in mid-February. The buildings are the 1717K Maintenance Transportation Shop, 1717AKE Electrical Shed, 1724K Maintenance Shop, and 1724KA Storage Shed. Fifteen Connex boxes, two tents, and a new tool crib mobile office have been procured to replace the storage capacity and a new array of K West mobile offices were built for current K West Operations support personnel and for future occupants needed to support the Sludge Treatment Project in out-years.
- Demolition is on hold for the 182K Water Reservoir Pump House. The below-grade water reservoir connects directly to the 183.4KE clear well, which provides the service water/fire protection water for 100K. The shut-off valves between these two facilities leak, thus below-grade demolition cannot commence until the new utility systems are operational this winter and the 183.4KE clear well water and 183.2KE sedimentation basins are drained.

- The 183KE Chlorine Vault is awaiting demolition. Operations will continue to utilize the building until after the utility upgrades in mid-February, after which time occupants will be re-located and demolition should commence.
- Leased facility MO872, Radiation Control Trailer, is being re-installed in its new location. The electrical power should be installed in mid January. A worker change trailer and separate shower trailer are being installed at the same time, planned in late January.

Waste Sites

- Excavation of 100-K-63 is suspended waiting on data analyses to determine if the site currently meets the Remedial Action Goal of the Record of Decision (ROD)
- Closure work on 118-KE-2 and 118-KW-2 was initiated as D4 has completed removal of the sites

MAJOR ISSUES

Issue – Extent and severity of contamination in the UPR-100-K-1/100-K-42 waste site footprint and D4 demolition area is much higher than planned in the baseline. The significance of this higher-than-anticipated contamination is the work must be conducted under Nuclear Hazard Category 3 controls, productivity will be at a diminished rate, and a larger volume of contaminated soil will need to be removed.

Corrective Action – Mitigation of the issue tied to higher-than-anticipated contamination levels has not been resolved to date. Corrective actions have included maximizing productivity by ensuring the containers are loaded to their maximum weight without exceeding legal load limits. This yields a higher ton-per-container average with some positive influence on the overall schedule.

Status – D4 removal of the 105KE discharge chute is complete but load out continues. Waste site work is on hold until the chute is removed.

Issue – 13 new sites have been discovered where radiological or chemical contaminants are above cleanup standards.

Corrective Action – The sites are being tracked and added to the appropriate lists (e.g., the 100 Areas RD/RA WP ESD, the CHPRC contract, etc.).

Status – The sites are being tracked and added to the appropriate lists (e.g., the 100 Areas RD/RA WP ESD, the CHPRC contract, etc.).

Issue – The remaining outages (electrical and water) will require significant integration with MSA and 100K Operations to minimize disruptions to existing activities.

Corrective Action – Established weekly meetings with MSA to coordinate outages and assure resources are available. Project Manager is coordinating with 100K Operations to determine best available outage times and define financial resource needs from MSA.

Status – An integrated schedule and MSA cost impacts are being developed to identify outages for electrical and water projects and provide time for MSA and 100K Operations to minimize impacts.

Issue – Activities required for cultural resources evaluation in the eastern flood plain are delaying the start of waste site 100-K-57.

Corrective Action – Pursue a partial release to begin work in unaffected areas of 100-K-57 while a Cultural Resources Review is conducted. Develop a Cultural Mitigation Action Plan acceptable to stakeholders in order to release the rest of the site.

Status - Analysis of artifacts is underway. A partial release is anticipated in December. The need for further mitigation has not yet been determined.

Issue – Change orders in the Power/Water/HVAC Projects have caused an increase in cost and schedule delays throughout the lifecycle of the Utilities Project. These change orders have been incurred due to design changes, additional material/equipment and labor, added subcontractor work scope (i.e., road improvements and debris removal), and unforeseen obstruction/underground utilities.

Corrective Action – Efficient evaluation, communication, and implementation of change orders/claims by Project Management and supporting staff to alleviate additional cost associated with implementing change orders/claims.

Status – Continuing communication between management, subcontractors and supporting staff to minimize schedule/cost impacts associated with change orders/claims. A BCR is being prepared.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk

● Working - No Concerns ↑ Increased Confidence
 ● Working - Concern ↔ No Change
 ● Working - Critical ↓ Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
KBC-001A: KE Basin Phase IV Demolition Contamination Levels	Risk accepted without mitigation	●	↔	Contamination levels are expected to result in increased costs for subsurface waste removal and disposal.
KBC-002: Subcontract change orders/claims exceed planned allowances	Prepare accurate functional requirements and SOW, including flow-downs; monitor subcontractor activities and encourage early communication of problem areas	●	↔	The Utilities Reroutes project has had several design changes to incorporate required fire protection and other requirements and to address unmarked utilities encountered in the field. The cost impacts are being evaluated.
KBC-004: Contamination Depth Greater Than Planned, Increasing Waste Volumes to ERDF	Unassigned Risk - No mitigation	●	↔	Risk has been realized and change proposal and BCR are being prepared.
KBC-009: D4/Waste Site Interference	Integrate all 100 K work activities to minimize issues/conflicts between D4 activities and waste site remediation	●	↔	No issues at this time.
KBC-019: Groundwater Treatment Activities Impact D4/Waste Site RTD Activities	Coordinate with S&GRP to minimize impact to D4 and waste site remediation.	●	↔	No issues at this time.
KBC-020: Ecological/Cultural Conditions Restrict Field Activities	Accelerate cultural resource reviews to minimize schedule impact if cultural resource mitigation is required prior to initiating remediation	●	↔	Although no impacts have been realized at this time, some sensitive cultural areas are expected to be encountered
KBC-022: Drawing Unavailability/Errors Cause Work Stoppage During Utility Isolation	Reroute utilities to prevent this scenario. Reconfiguration work planned during ARRA period.	●	↔	No new issues at this time.
KBC-035: ERDF Packaging Can Shortage	Work closely with W&FM Project regarding ERDF packaging can needs to ensure can availability	●	↔	No issues at this time.
KBC-043: Waste Site Remediation Completion Requirements	Existing closure approach is consistent with WCH approach for balance of River Corridor waste sites; risk accepted without mitigation.	●	↔	No issues at this time.
KBC-044: 100 K Waste Sites Require Haz Cat Controls	Existing characterization data indicates the likelihood of this risk occurring is low; however, if it does occur the consequences may be medium to high with respect to cost and schedule impact.	●	↔	100-K-42 site is a Haz Cat 3 facility and has caused schedule delays.
KBC-045: 100 K East Basin Soil Disposition	Treatment will likely be in the form of waste blending for in accordance with DSA for that site.	●	↔	Some materials are having to be blended for 100-K-42, 100-K-47, and 100-K-70.
KBC-061: Technology Readiness Assessment Required for Reactor Core Removal and Demolition	Perform mock-up testing of equipment to demonstrate effectiveness; obtain early RL agreement of technology readiness approach.	●	↔	No issues at this time.
KBC-070: New SARP Required for Waste Packages	Very low probability of occurrence; risk accepted without mitigation	●	↔	No issues at this time.

RISK MANAGEMENT STATUS – continued

Unassigned Risk
Risk Passed
New Risk

● Working - No Concerns Increased Confidence
● Working - Concern No Change
● Working - Critical Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
KBC-076: Treatment Required for 100 K RTD Waste Prior to Disposal	Review waste disposal records as part of RTD planning to identify potential issues prior to beginning retrieval; work with ERDF to determine minimum acceptable treatment to minimize quantity of waste that must be treated or disposed elsewhere.	●	↔	No issues at this time.
PRC-044: ERDF Not Available for PRC Waste	Unassigned risk. Note that ERDF has modified off-load procedures, began dumping containers in the queue, and resumed container shipments.	●	↔	No issues at this time.
WSR-007: More Extensive Contamination Than Expected	Cannot control extent of contamination; no mitigation.	●	↔	This risk has been realized in waste site remediation. Additional contamination is being encountered above planned levels regularly. BCR-10-047R0 has adjusted volumes for those sites that have been exceeded.
WSR-008: No Action Waste Sites	Confirmatory sampling is the only way to determine if "no action" waste sites require remediation; risk is accepted without mitigation.	●	↔	Rate of failure has stabilized; the Project has initiated planning to determine full impacts.
WSR-009: Different Remediation Approach	Clean up remedies are consistent with direction received from RL in the PRC. There is a risk that the regulators will require a different cleanup remedy that what is planned.	●	↔	Same as CSNA for this effort, but may expand to 116-KE-2 and those sites associated with cultural resource issues. Planning is underway to determine the most appropriate paths forward.
KBC-044: 100 K Waste Sites Require Haz Cat Controls	Existing characterization data indicates the likelihood of this risk occurring is low; however, if it does occur the consequences may be medium to high with respect to cost and schedule impact.	●	↔	100-K-42 is a Haz Cat 3 facility and has caused schedule delays.
KBC-045: 100 K East Basin Soil Disposition	Treatment will likely be in the form of waste blending in accordance with DSA for that site.	●	↔	Some materials are having to be blended for 100-K-42, 100-K-47, and 100-K-70.
WSR-020: Ecological/Cultural Conditions Restrict Field Activities	This risk will be monitored throughout work execution.	●	↔	New: A significant cultural discovery was encountered during active remediation of 100-K-63. The path forward is unclear at this time. On going: Remedial actions are not allowed in 100-K-57 due to the requirement of a Cultural Mitigation plan in a highly sensitive known cultural area. RL has been working with the Tribes since February 2010. This site is significantly behind schedule and is not anticipated to be recoverable within the ARRA window. If negotiations and work authorization restrictions continue the TPA milestone may be jeopardized.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
ARRA	2.5	1.8	5.8	(0.7)	-28.6	(4.0)	-224.8
Base	5.1	2.5	3.0	(2.7)	-51.7	(0.5)	-20.9
Total	7.6	4.3	8.8	(3.4)	-44.1	(4.6)	-106.7

ARRA

CM Schedule Performance: (-\$0.7M/-28.6%)

Waste Sites (-\$1.1M)

The negative schedule variance is attributed to point adjustments related to implementation of BCR-PRC-10-048R0 which moved all remaining scope to a new area-based WBS.

100K Area Project (Facilities and Others) (+\$0.4M)

The positive schedule variance in 105KE Reactor (+\$1.1M) is due to continued performance on the 105KE Reactor Phase I Demolition offset by K West Deactivation (-\$0.7M) due to the final debris campaign being placed on hold awaiting completion of sludge sampling.

CM Cost Performance: (-\$4.0M/-224.8%)

100K Area Project (Facilities and Others) (-\$4.1M)

The negative cost variance in Utilities (-\$1.2) has two components: the electrical project mobile substation subcontract and the water project subcontract, both of which have realized risks and scope growth. Facilities (-\$0.9M) is from the 183.2KW Sedimentation Basin debris lay-down yard/haul road costs being incurred; 115KE/117KE where below-grade planning costs occurred, but no BCWP can be taken until demolition actually starts; and cold-and-dark being planned but unable to complete until after mid-February utility upgrades occur. The 105KE Reactor (-\$1.1M) is due to continuing removal of the discharge chute (this scope will be added in a pending BCR). K West deactivation (-\$0.8M) is due to the final debris campaign being placed on hold thus no BCWP was earned.

Base

CM Schedule Performance (-\$2.7M/-51.7%)

Waste Sites (-\$2.5M)

A large part of the schedule variance is due to work on many waste sites that was completed early with performance taken in prior months, primarily 100-K-63.

100K Area Project (Facilities and Others) (-\$0.2M)

The negative variance is primarily due to cold and dark activities being pushed into mid-March due to mid-February utility upgrades (-\$1.2M), and 105KE Reactor (+\$1.0M) point adjustment(BCR-PRC-10-048R0).

CM Cost Performance (-\$0.5M/-20.9%)**Waste Sites (-\$0.3M)**

The cost variance is primarily related to work scope moved to new WBS elements retroactive to the start of the fiscal month (BCR-PRC-10-048R0). Cost transfers will correct this next month.

100K Area Project (Facilities and Others) (-\$0.2M)

The negative cost variance for Facilities (-\$0.5M) is due to asbestos removal costs on 165KE and initiation of below-grade removal of 1706KE, and costs of relocating personnel and materials displaced from facilities being demolished; offset by 105KE Core Removal (+\$0.3M) attributed to point adjustment (BCR-PRC-10-048R0).

Contract-to-Date

(\$M)

WBS 041/ RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
ARRA	131.5	130.3	128.7	(1.2)	(0.9)	1.6	1.2	168.4	169.3	(1.0)
Base	44.9	41.8	40.0	(3.1)	(6.9)	1.8	4.4	314.6	329.9	(15.3)
Total	176.4	172.1	168.7	(4.3)	(2.4)	3.4	2.0	483.0	499.2	(16.3)

Numbers are rounded to the nearest \$0.1M.

ARRA**CTD Schedule Performance: (-\$1.2M/-0.9%)**

The negative variance is within reporting thresholds.

CTD Cost Performance: (+\$1.6M/+1.2%)

The positive variance is within reporting thresholds.

Base**CTD Schedule Performance (-\$3.1M/-6.9%)**

100K Area (Facilities and Others) (-\$2.9M) where cold and dark activities are being pushed into mid-March due to mid-February utility upgrades.

CTD Cost Performance (+\$1.8M/+4.4%)

The positive variance is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	FY2011		Variance
	Projected Funding	Spending Forecast	
ARRA	67.7	61.8	6.0
Base	71.4	61.4	10.1

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis:

Funding includes FY2010 carryover and FY2011 new Budget Authority. The ARRA positive variance of \$6.0M reflects a projected PMB over run of \$8.9M offset by \$14.8M of reserve funds. The BASE positive variance of \$10.1M reflects a projected PMB under run of \$7.2M plus \$2.9M of reserve funds. A CHPRC site integrated work scope prioritization plan is being developed to align work scope with proposed revised funding levels.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018, the PRC contract period.

Baseline Change Requests

BCR-PRC-11-010R0, PBS Alignment to Contract Price Adjustment Request.

MILESTONE STATUS

TPA milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PRC Baseline Revision 2, submitted in January 2010, defines CHPRC planning with respect to TPA milestones. The following table is a one year look ahead of key milestones.

Milestone	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-016-140	Submit Revised RD/RA Work Plans for 100K RODs With New Milestones	TPA	3/31/11			Currently considered "at risk" due to issues with providing sludge treatment milestone dates and plans. Other work plans required by the milestone are on schedule. EPA disapproved TPA change request with DOE's proposed strategy and milestone modifications on 12/14/10. TPA dispute with EPA initiated by letter on 12/21/10.

SELF-PERFORMED WORK

The Section H. clause entitled *Self-Performed Work* is addressed in the Monthly Report Overview.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.