

PROJECT SUMMARY

American Recovery and Reinvestment Act (ARRA)

Facilities

Completed demolition load-out on the 105KE Reactor above-grade demolition of the west annex.

Completed demolition of the 110KW Gas Storage Facility.

Continued project closeout on the 105KE Reactor Core Removal Project Final Design.

Started demolition of the 181KW River Pump House/1605KW Guard House

Continued with demolition of the 183.4KE Clear Well.

Completed asbestos removal in the 190KE Main Pump House and continued with asbestos removal in the 190KW Main Pump Houses and 165KE Power Control Building.

Waste Sites

Six of the eight borehole samples at the east and west ends of the 100-KE reactor building have been completed; sample results are beginning to be received. The additional direct push technology (DPT) logging activities are being evaluated by DOE-RL and direction to pursue these ten DPTs is forthcoming.

DOE-RL has decided to move forward with a memorandum of agreement (MOA) on the final closure activities for waste site 100-K-63. This MOA will be presented to the Tribes in July and with approval of the MOA, CHPRC will be able to move forward with closure.

The memorandum of agreement (MOA) for the 100K Area flood plain Waste Site 100-K-64 continues to be supported by CHPRC as RL works to finalize the wording contained in these agreements.

Continued waste site remediation of the below listed remove/treat/dispose (RTD) sites:

Active Excavation on ARRA Waste Sites and Sub-Grade Structures	June 2011	
	Tons	Containers
100-K-53	119	6
100-K-56	1,113	52
116-KE-1	1,684	77
Monthly Total	2,916	135
Previous Cumulative (all sites under ARRA)	127,426	6,953
ARRA Cumulative (fiscal year [FY]2009 to Date)	130,342	7,088

Other

The 100K Electrical Power Project transitioned from the existing A-7 yard to the new A-9 yard/substation. The system is performing as designed.

Base

Facilities

Continued 105KE Reactor Engineering/Planning activities for the design and construction of the Reactor Building Safe Storage Enclosure (SSE) to place it in interim safe storage (ISS)

Continued below-grade demolition of the 1706KE Radiation Control Counting Laboratory and 1706KER Water Studies Recirculation Building

Started above-grade demolition of the 183.2KE Sedimentation Basin.

Continued demolition and electrical work packages for 115KW Gas Recirculation Building

Waste Sites

Continued waste site remediation of the below listed RTD sites:

Active Excavation on Base Waste Sites and Sub-Grade Structures	June 2011	
	Tons	Containers
100-K-42	3,798	215
120-KW-1	5,235	238
105-KE Admin	7,184	433
1706-KE	1,210	58
1706-KER	3,195	159
100-K-77	2,363	107
Monthly Total	22,985	1,210
Previous Cumulative (all sites under Base)	251,825	12,754
Base Cumulative (FY2009 to Date)	278,810	13,964

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	4	N/A
First Aid Cases	3	28	<p>06/14 100K Insulator while descending scaffolding experienced a pull in the left arm. (22074)</p> <p>06/14 100K Electrician from cut right thumb and forefinger when a new light bulb broke while being removed from a package. 22037</p> <p>06/26 105KW HPT was walking between building. Worker fell and landed on hand causing a scrape to left palm. (22063)</p>
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

ARRA

Facilities

- Work was completed on the 105KE Reactor Building Disposition Site Preparation/Phase I Demolition – ISS above-grade demolition of the West Annex.
- Project closeout continued on the 105KE Reactor Core Removal Final design.
- 110KW Gas Storage Facility demolition is complete. Load out has begun.
- Started demolition of the 181KW River Pump House. The 165KE Power Control Building demolition planning continued; asbestos removal activities commenced.
- Completed deactivation of the 183.1KE Head House. Completed asbestos removal and above-grade demolition. Completed demolition of below-grade which was self-performed. Load out has begun.
- Initiated demolition on above grade for the 183.3KE Filter Basin and load out. Initiated sampling plans to verify the 183.4KW/183.4KE Clear Well floors can remain in place. Completed 183.4KE deactivation (183.4KW was deactivated in FY2010).
- Completed asbestos removal in the 190KE Main Pump House, and continued with asbestos removal in 190KW as well as the demo work plan.

Other

- Continued videotaping in the West Bay area and Weasel Pit.
- Performed annual check of the MLS.
- Conducted troubleshooting of the limit switch for the MLS Gantry.

100K Electrical Power Project:

Outage and switch over the new substation completed the weekend of June 10.

100K Water Project:

Closing out of final project documents being completed.

Base**Facilities**

- Continued 105KE Reactor Disposition – ISS engineering/planning activities for the design and construction of the Reactor Building SSE.
- Continued 105KE Tunnel decontamination and asbestos removal, which was started early to support adjacent ARRA facility demolitions.
- Continued below-grade demolition of the 1706KE Radiation Control Counting Laboratory and the 1706KER Water Studies Recirculation Building.
- Continued demolition of the 183.2KE Sedimentation Basin but on hold due to nesting birds.
- Initiated asbestos abatement in the 183.7KE Tunnel.
- Completed demolition of the 1605KW Guard Shack.

Waste Sites

Waste sites 120-KW-1, 100-K-109, 100-K-102 are ready for closure. Remaining Site Verification Plans documents for waste sites 118-KW-2, 118-KE-2 and 130-KE-1 were approved by DOE-RL and EPA this month.

MAJOR ISSUES

Issue – RL-41 Waste Site Remediation will probably not be able to complete the remediation work scope tied to waste site 100-K-57 by December 31, 2012. The inability to complete this work by December 31, 2012, is being driven by the lack of an approved cultural resources mitigation action plan.

Corrective Action – An approved MOA is needed to complete remediation of waste site 100-K-57.

Status – This MOA is expected to be approved by the end of the Fiscal Year 2011. If funding is available and if the MOA is in place by the end of Fiscal Year 2011, then the work needed to complete remediation of waste site 100-K-57 should complete by the end of Fiscal Year 2012.

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	
RL-0041/WBS 041				
WSR-007: More Extensive Contamination Than Expected	Cannot control extent of contamination; no mitigation.	●	↔	No new issues this past month.
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.	●	↔	It has been demonstrated that with ISS of 105-KE, two significant plumes will not be fully remediated under RTD. The project is researching a long term (i.e., 75 year), low cost stabilization that will retard water movement through the contaminated zone. Failure to retard precipitation will result in additional contamination to the groundwater and possibly the Columbia river unless more drastic measures are taken. There are alternative remediation strategies being discussed for the following waste sites: 100-K-42/UPR-100-K-1 (Fuel Storage Basin); 100-K-57 and 100-K-64 (100-K East Flood Plain), and 116-KE-1 (Ventilation Condensate Crib with Carbon-14 and Tritium). The client is being kept informed on developments.
KBC-044: 100 K Waste Sites Require Haz Cat Controls	Existing characterization data indicates the likelihood of this risk occurring is low; risk accepted without mitigation.	●	↔	Additional direct pushes and associated logging, along with pothole samples are being looked at as an option to better understand the path of contamination movement to the east and west and to the south around the 105-KE Reactor and former fuel storage basin. Logging data and sample results will be evaluated and used to assess the radiological inventory around and under the 105-KE reactor building.
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.	●	↔	This situation continues to be managed as load out effort continues from the 100-K-42 waste site.
KBC-020: Ecological/Cultural Conditions Restrict Field Activities	This risk will be monitored throughout work execution.	●	↔	Due to the complexities of the MOA process is not likely and it is too early to tell if remediation can be accomplished by December 31, 2012, putting the associated TPA milestone (M-016-53; due December 31, 2012) at risk.
WSR-020: Ecological/Cultural Conditions Restrict Field Activities	This risk is accepted as written and will be monitored throughout work execution.	●	↔	The risk status was changed to stable as there has been very little movement on memorandum of agreements that RL is drafting. With the MOA's approval, CHPRC will be able to initiate controlled remediation activities in the 100-K-57 waste site and initiate backfill or similar for 100-K-63. Completing remediation of this site under ARRA funds by the end FY2011 is not likely and it is too early to tell if remediation can be accomplished by December 31, 2012, putting the associated TPA milestone (M-016-53; due December 31, 2012) at risk.

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	2.1	2.8	3.3	0.7	33.4	(0.5)	-18.9
Base	<u>1.6</u>	<u>3.5</u>	<u>4.6</u>	<u>1.9</u>	113.0	<u>(1.1)</u>	-30.4
Total	3.7	6.3	7.9	2.6	68.3	(1.6)	-25.2

Numbers are rounded to the nearest \$0.1M

ARRA

CM Schedule Performance: (+\$0.7M/+33.4 %)

Waste Sites (+\$1.5M) The positive variance is primarily due to implementation of BCR-PRC-11-037R0 during the month. In accordance with Contract Modification 167, this BCR shifted all remaining scope for four waste sites (100-K-53, 100-K-57, 116-KE-1, and 116-KE-2) from ARRA to Base funding. This is partially offset by negative variances due to ahead of schedule performance achieved in prior months on numerous sites (especially 100-K-55 Part 1 and 100-K-56 Part 2), and from 100-K-79 running behind schedule; although work is being accelerated to finish closure.

100K Area Project (Facilities and Others) (-\$0.8M) The negative variance is due to the delays encountered earlier in the year related to the Utilities Upgrades which has impacted demolition of facilities. There will be no additional CENRTC purchases made this year, and the treatment of the LDC at T Plant will not occur in FY2011.

CM Cost Performance: (-\$0.5M/-18.9 %)

Waste Sites (+\$0.3M) The positive variance is primarily related to cost transfers processed during the month.

100K Area Project (-1.4M) The negative variance is primarily due to the KW Basin Debris Project collecting costs without performance; until the OTRS is completed and the IP-2 shipped no performance can be obtained. In addition, the performance numbers for ISS were understated this month and will be corrected during the next performance period.

Base

CM Schedule Performance (+\$1.9M/+113.0 %)

Waste Sites (-\$1.5M) The negative schedule variance is primarily due to implementation of BCR-PRC-11-037R0 during the month. In accordance with Contract Modification 167, this BCR shifted all remaining scope for four waste sites (100-K-53, 100-K-57, 116-KE-1, and 116-KE-2) from ARRA to Base funding. Additionally, high levels of contamination at 100-K-42 have forced a strategic pause and re-evaluation of the path forward for waste sites in the 105-KE fuel storage basin, and cultural resource issues continue to delay work in the 100-K-64 flood plain.

100K Area Project (Facilities and Others) (+\$3.4M) The positive variance is due to the implementation of a BCR that re-aligned scope to the proper sequence as it was identified that several facilities were required to remain until after the completion of the Sludge Treatment Project.

CM Cost Performance (-\$1.1M/-30.4 %)

Waste Sites (-\$0.3M) The negative cost variance is primarily related to cost transfers processed during the month.

100K Area Project (-\$0.9M) The negative variance is primarily due to the understated Performance taken in the Period and the implementation of a pending BCR for the Core Removal Design Project. This will be corrected in the following period.

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	163.4	158.6	159.5	(4.9)	-3.0	(0.9)	-0.6	175.1	171.6	3.6
Base	<u>62.9</u>	<u>60.9</u>	<u>59.3</u>	<u>(1.9)</u>	-3.0	<u>1.6</u>	2.8	<u>340.2</u>	<u>342.4</u>	<u>(2.2)</u>
Total	226.3	219.5	218.8	(6.8)	-3.0	0.7	0.4	515.4	514.0	(1.4)

Numbers are rounded to the nearest \$0.1M

ARRA

CTD Schedule Performance: (-\$4.9M/-3.0 %)

The negative variance is within reporting thresholds.

CTD Cost Performance: (\$0.9M/-0.6 %)

The negative variance is within reporting thresholds.

Base

CTD Schedule Performance (-\$1.9M/-3.0 %)

Waste Sites (+\$2.0M) The positive schedule variance is within reporting thresholds.

100K Area Project (Facilities and Others) (-\$3.9M) The negative schedule variance is within reporting thresholds.

CTD Cost Performance (+\$1.6M/+ 2.8%)

Waste Sites (+\$4.9M) The positive cost variance is within reporting thresholds.

100K Area Project (Facilities and Others) (-\$4.6M) The negative cost variance is partially offset by the positive variance of \$1.3M in the Project G&A accounts and is within reporting thresholds.

Estimate at Completion (EAC)

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

The May to June ARRA EAC increase in River Zone D&D (+\$1.7M) reflects the transfer of the 181KW River Pump House. This scope was moved from Base to ARRA funding. The Base, River Zone, EAC increased by (+\$1.3M) from the prior month due to doubling of the 1706KE/KER complex below-grade demolition forecast due to contaminated soil and delayed electrical utility project completion. A BCR was implemented in the period that redirects work scope from FY11 into out years.

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		Spend Variance
	Projected Funding	Spending Forecast	
ARRA	67.7	64.0	3.7
Base	54.6	44.2	10.4

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis:

Funding includes FY2010 carryover and FY2011 new Budget Authority.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCR-041-11-004R0, Deferral of FY 2011 Facility

BCR-PRC-11-037R0, Transfer of Waste Site and Facility Demo Scope

BCRA-PRC-11-037R0, General Administrative Changes for June 2011

MILESTONE STATUS

None at this time.

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.