



# River Corridor Closure Project



# Monthly Performance Report

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**Safety • Integrity • Teamwork • Disciplined Operations**

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Washington Closure Hanford is the River Corridor Closure Contractor for the U.S. Department of Energy, Richland Operations Office



**RIVER CORRIDOR CLOSURE PROJECT**  
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**RIVER CORRIDOR CLOSURE PROJECT  
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**INTRODUCTION:**

On August 27, 2005 the U.S. Department of Energy (DOE) Richland Operations Office (RL) transitioned cleanup along the Columbia River to Washington Closure Hanford (WCH), the new River Corridor Closure (RCC) Project contractor. The RCC Integrated Project Baseline (IPB) Rev. 0 was transmitted on March 23, 2006, and received provisional approval from RL on April 28, 2006. The March 2006 monthly report assumed implementation of the IPB, which provided the basis for performance reporting under the RCC contract. Reporting of change control and associated contingency drawdown to the IPB began with the May 2006 report.

Contract Line Item Number 3 (CLIN 3) (618-10/11) and majority of 100-K Area remaining scope were removed from SPI, CPI, and CSPI calculations beginning in November 2008 per discussions with RL. All other cost and schedule information for this scope still remains.

In May 2009, implementation of Contract Modification 123 (a.k.a. Mod 30), which incorporated material differences into the baseline, was initiated. Due to the extensive Mod 30 implementation effort, May performance was derived from the current period budgeted cost of work scheduled (BCWS). Actual costs were unaffected. No IPB change control actions were enacted in May. IPB Rev. 1 implementation is reflected beginning with the June 2009 report; final negotiated value is reflected in the September 2009 report.

**American Recovery and Reinvestment Act of 2009 (ARRA)**

RL issued two contract modifications (A099 [April 9, 2009] and A105 [April 30, 2009]) revising the RCC contract scope of work to include Environmental Restoration Disposal Facility (ERDF) cell expansion (Super Cells 9/10) with system and equipment upgrades, and to also begin the Field Remediation efforts for 618-10 waste site trenches. The modification provided \$203M to perform ARRA-funded workscope. An ARRA 180-Day Work Plan (WCH-332) was prepared that outlined the workscope, estimated costs, and FTE projections for the period from April 9, 2009 through October 8, 2009. WCH then submitted a Technical, Cost, and Fee Proposal on June 4 to RL to further define the full scope, cost, and schedule for the ARRA portion of the RCC contract. Funding Modification 139 was received in early September that increased the obligated amount to \$253M. Contract Modification 142 was negotiated for all of Phase 1 of the WCH ARRA workscope (\$106M) and provided a not to exceed (NTE) of \$17M for the start of Phase 2 scope (waste site remediation, confirmatory sampling, additional 618-10/11 scope and also additional ERDF scope).

The process for incorporating this new ARRA scope (CLIN 4) into the IPB is a phased approach. The first step (which this month's report reflects) is the deduction of ERDF cell expansion from CLIN 1 (~\$41M deduct baseline change proposal [BCP] RS-03). The negotiated CLIN 4 scope (Mod 142) will be input into the IPB in early October and performance will be reported against it for month-end October.

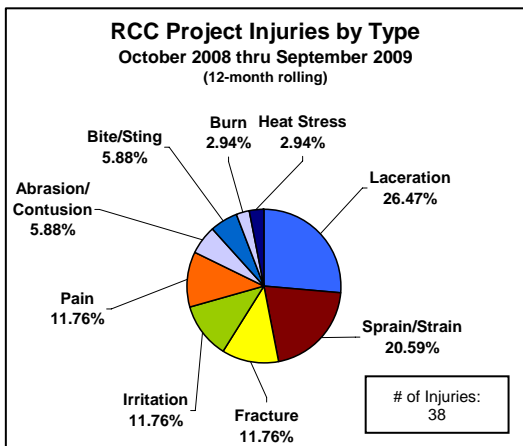
**SAFETY:**

As of September 30, 2009, RCC has worked approximately 601,300 hours since the last lost work day case (July 1, 2009). During September there were two first aid injuries.

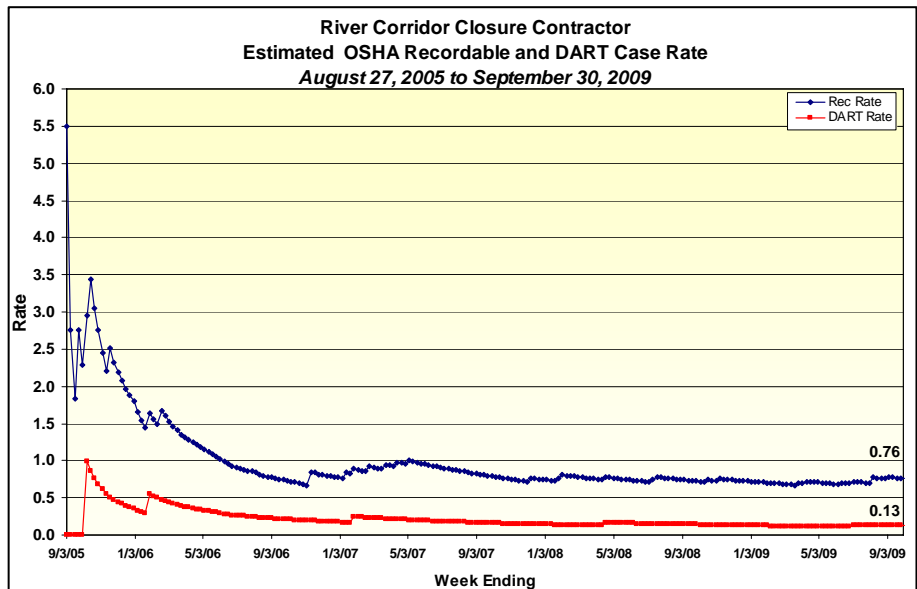
Inception to Date: 155 first aids; 26 recordable-only; 2 lost restricted; 3 lost work days

FYTD: 27 first aids; 9 recordable-only; 1 lost work day

Current Month: 2 first aids (1 contusion/abrasion, 1 burn)



Graph at right tracks rate of injuries by week. Number of hours worked affects the OSHA rates (calculation is: # cases x 200,000 / actual hours worked). As of September 30, 2009, RCC Project total recordable case (TRC) rate was 0.76; DART rate was 0.13.



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**ACCOMPLISHMENTS:**

***Deactivation, Decontamination, Decommissioning, and Demolition (D4) Closure Project***

- Completed Performance Milestone #16, including applicable portions of 107N above- and below-grade demolition.
- Completed 3718M ramp to facilitate asbestos-containing material (ACM) removal.
- Initiated work packages for the B-Reactor filter press removal.

***Reactor Interim Safe Storage (ISS) Closure Project***

- Began 109N large pourbacks from below grade to +10 feet.
- Completed all 109N above-grade hazardous material removal except for stair 7 lead pig removal which is to be completed after backfill.
- Initiated south and east backfill on area surrounding 109N.

***Field Remediation (FR) Closure Project***

- Completed verification sampling of all sites at 100-B/C.
- Awarded subcontract for 100-IU-2/6 remediation.

***Waste Operations (WO) Project***

- Received and disposed 108,326 tons of waste at ERDF during September bringing the total to 2,566,305 tons disposed since WCH assumed River Corridor cleanup responsibilities on 8/27/05. FY09 total = 864,797 tons.
- Transported and disposed 816 roll-on/roll-off (RO/RO) containers for CHPRC.
- Received provisional approval for "Ready to Serve" (RTS) rates.

***End State and Final Closure (ESFC) Project***

- Completed sturgeon collection and processing (30 fish) in support of remedial investigation of Hanford Site releases to the Columbia River. All tissue samples requested by USGS have been shipped and received.
- Delivered Volume 2 (human health) of the *River Corridor Baseline Risk Assessment Report* (DOE/RL-2007-21; Draft B) for pre-concurrence review by RL, and briefed RL review team on report contents.
- Provided the Draft A 100-B/C and 100-F/100-IU-2/100-IU-6 Addenda to EPA for review on 9/30/09.

***Mission/General Support***

- Completed corrective action plan for 327 building contamination events.
- Developed corrective action plans to address the DOE Type B Investigation Report.
- Eliminated the SH&Q fall protection standing order for WCH work; flowed down enhanced fall protection requirements to subcontractors.
- Submitted completion letter to RL on declaring conformance to DOE Order 450.1A (Environmental Protection Program).

***ARRA Workscope***

- Excavated approximately 417,900 cubic yards (CYs) of the estimated 1,500,000 CY for ERDF Super Cell 9 as of 9/30/2009.
- Submitted ERDF Super Cells 9/10 design for approval.
- Completed 618-10 surface geophysical delineation of vertical pipe units (VPUs).
- Conducted 618-10 cone penetrometer and inclinometer mockup.
- Completed final negotiations for Phase 1 ARRA Technical and Cost proposal.

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**TPA MILESTONES:**

To date, 24 RCC Project TPA milestones were accomplished on (4) or ahead (20) of schedule.

TPA Milestone Statistics (Includes Targets and Commitment Milestones)				
Total	Remaining	Completed	Completed On	Completed Ahead
43	19	24	4	20

RCC Project FY09/10 TPA milestones include:

- **M-16-49 - Complete** Complete Interim Remedial Action for 100-F Area (due 12/31/08). *Completed on 12/1/08.*
- **M-16-61 - Complete** Complete Interim Remedial Actions for 618-2, 618-3, 618-5, 618-7 (due 12/31/08). *Completed on 12/29/08.*
- **M-16-94A - Complete** Initiate Interim Remedial Actions at 100-B-28 Waste Site (due 3/16/09). *Completed on 2/5/09.*
- **M-94-07 - Complete** Complete the Selected Removal and/or Remedial Actions that are Selected for 6 of the following 19 High Priority Facilities: 305B, 306E, 306W, 307 Retention Basins, 308, 309, 321, 323, 324, 324B, 325, 326, 327, 329, 333, 340, 3706, 307 Trench, and 3720; to include the 306E, 306W, 3720, and 305B Facilities (due 12/30/09). *Completed on 3/23/09 upon approval of closeout documentation. 3706 above-grade loadout completed 7/19/07. 306W above-grade loadout completed 12/15/07. 3720 below-grade loadout completed 10/21/08. Additionally, 305B, 306E, 333 completed 3/13/08 under M-94-06.*
- **C-16-06C - Complete** Submit Schedule and Establish Commitments to Complete Remedial Investigation/Feasibility Studies, and Proposed Plans in Support of Final RODs for 100 Area (due TBD). *Completed 8/11/09.*
- **C-16-06D - Complete** Submit Schedule and Establish Commitments to Complete Remedial Investigation/Feasibility Studies, and Proposed Plans in Support of Final ROD for 300 Area (due TBD). *Completed 8/11/09.*
- **M-16-51-T01 - Complete** Complete Excavation of 1 of 5 100-H Burial Grounds (118-H-1,-2,-3,-4, or -5) (due 12/31/09). **Completed on 9/30/09 (118-H-5).**
- **M-94-03 - Complete** Complete Disposition of Following Surplus Facilities: 303M, 332, 333, 334, 334A, 3221, 3222, 3223, 3224, 3225 (due 9/30/10). **Completed on 9/9/09, one year ahead of schedule.**
- **M-16-64 - Due 9/30/10** Complete Interim Remedial Actions for 300-259, 303-M SA, 303-M UOF, UPR-300-46, UPR-300-17, and 618-1. *On schedule.*

**PERFORMANCE MILESTONES:**

All RCC Project prior-year quarterly performance milestones were completed on or ahead of schedule. RCC Project FY09/10 performance milestones include:

- 12/31/08 **Complete** Complete 100-D-32, 100-D-45, and 100-D-40 Loadout. *Completed on 7/30/08.*
- 3/31/09 **Complete** Complete 618-13 and 100-D-41 Loadout. *Completed on 2/2/09.*
- 6/30/09 **Complete** Complete Building 3720 Demolition. *Below-grade loadout completed 10/21/08. Final closure documentation approved on 3/23/09.*
- 9/30/09 **Complete** Complete 118-H-1 Loadout, 107N Loadout as Shown in CCN 144419, 1310N Above-Grade Demolition and Contaminated Berm Loadout, and 107N T-1 Tank Disposal. *118-H-1 loadout (for IPB planned quantity) completed on 1/28/09; 107N scope completed on 9/28/09.*
- 12/31/09 Ahead Complete Construction of ERDF Cells 7/8 and Complete 618-1 Loadout. *ERDF cells completed 5/7/09; 618-1 loadout completion scheduled for October.*
- 3/31/10 To be renegotiated Complete 116-KW-2 Loadout. *Most of 100-K Area scope was transitioned to CH2M Hill Plateau Remediation Company (CHPRC) 10/1/08.*
- 6/30/10 On schedule Complete Building 327 Demolition.
- 9/30/10 Behind Complete Building 324 Demolition. *Milestone will require revision after Mod 30 implementation to align with approved TPA change package M-89-09-01.*

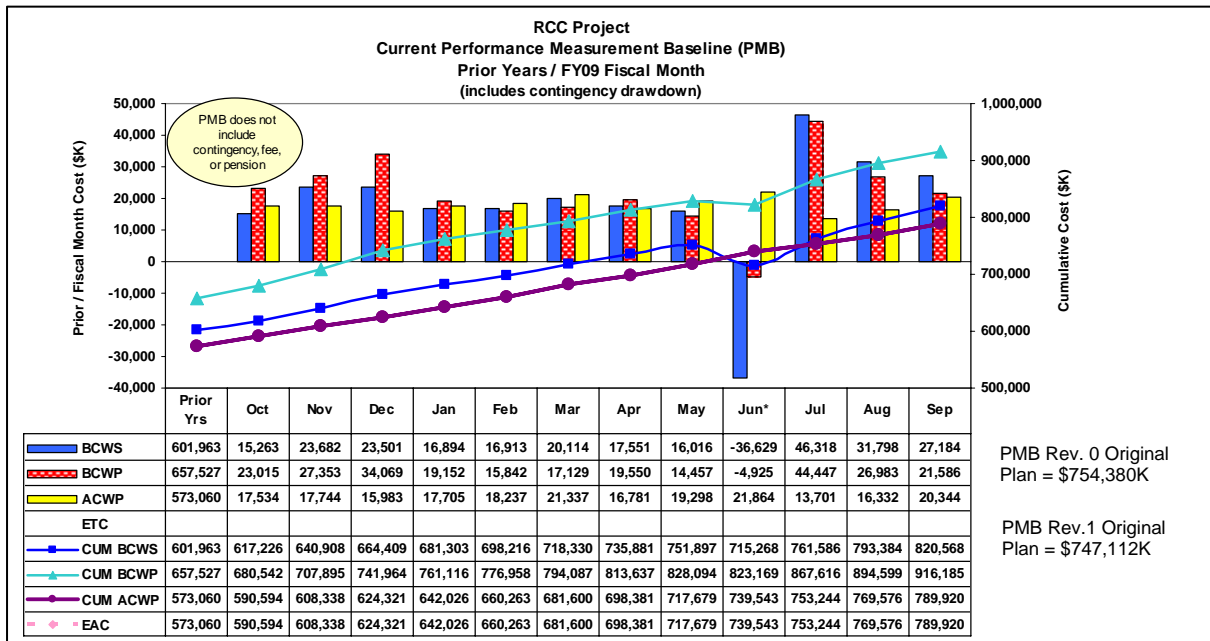
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**TARGET COST STATUS:**

Summary of FY09 IPB Target Cost and Cumulative Contract Cost:

	FY09 IPB Plan (\$K)	Cum to Date Plan (\$K) (through FY09)
PMB	\$218,605	\$820,568
Contingency	\$20,096	\$20,096
<b>Target Cost</b>	<b>\$238,701</b>	<b>\$840,664</b>
Pension	\$3,088	\$12,319
Target Fee	\$10,355	\$45,325
<b>Contract Cost</b>	<b>\$252,144</b>	<b>\$898,308</b>



\*IPB Rev.1 (Mod 30) implemented in June

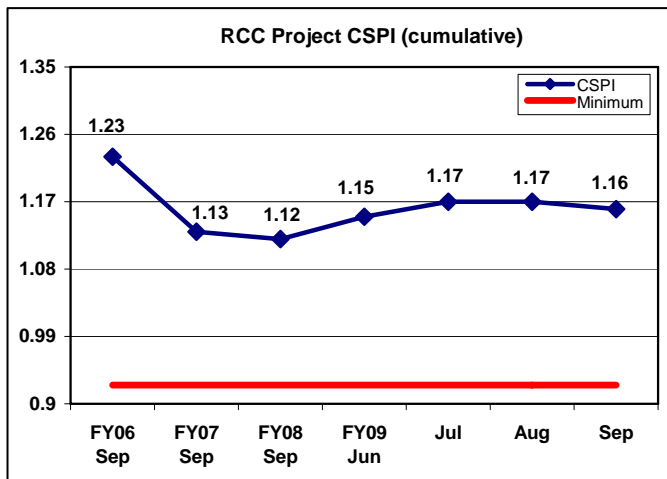
Note: ACWP does not include costs associated with \$1.1M funds transferred to Savannah River via DOE Inter-Entity Work Orders (IEWOs) for support services.

**Schedule Variance (PMB): \$95,617K; 11.7%**

- Acceleration of 300 Area and 100-N Area building demolitions.
- Stop-work at KE/KW Reactors ISS (RL direction).
- 105N/109N demolition/SSE subcontract was delayed due to increased focus on FR priority waste sites and associated quantity growth.
- Accelerated work at 100-D/H burial grounds and accelerated completion of 100-B-14 and 100-C-9. Partially offset by delays at 100-K burial grounds, 300 Area waste sites, and 618-10/11 Burial Grounds.
- Design of Cells 7-10 and procurement/construction of Cells 7/8 completed ahead of schedule.

**Cost Variance (PMB): \$126,265K; 13.8%**

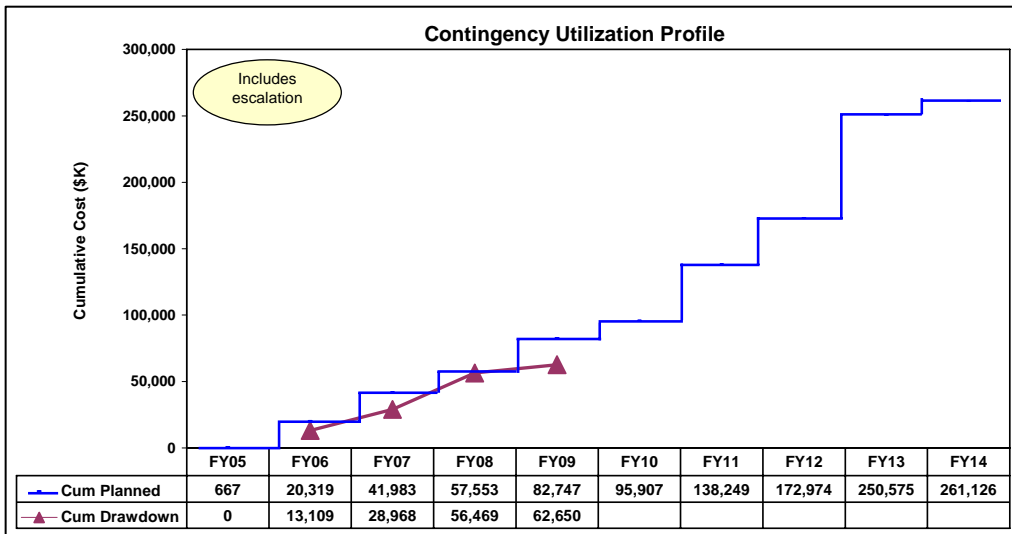
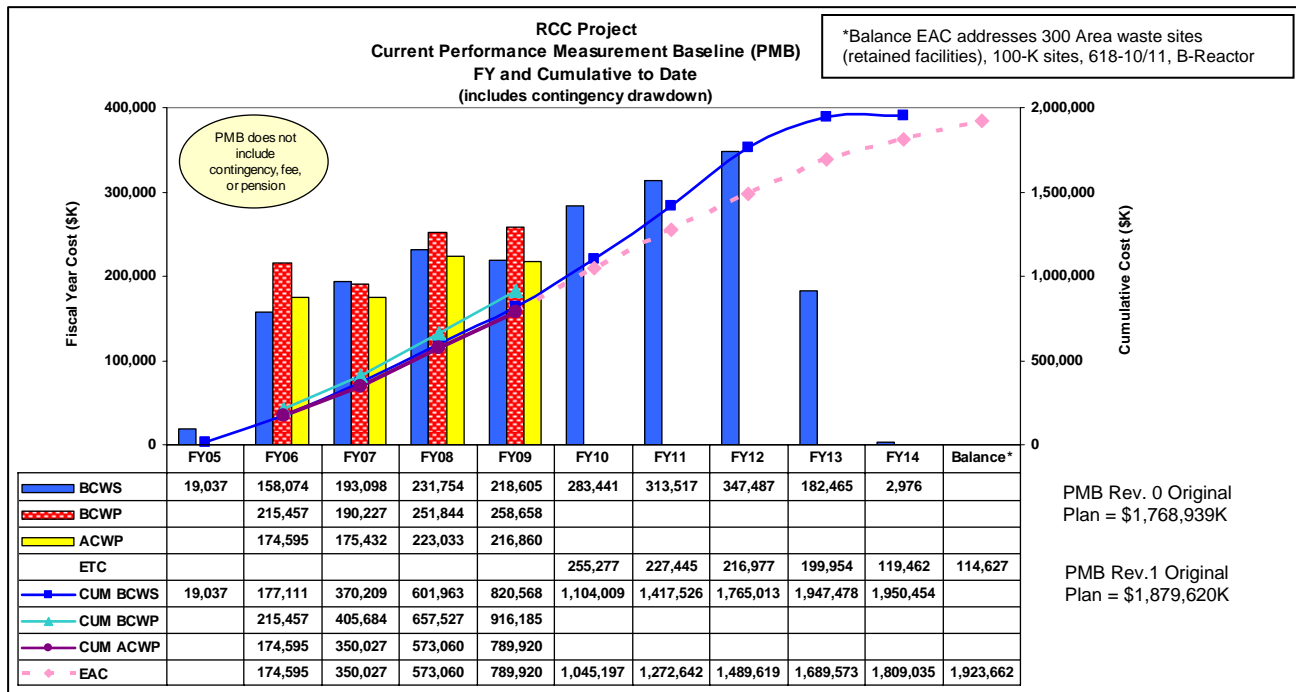
- Significant underruns experienced in 300 Area building characterization, deactivation, and demolition activities.
- Significant underruns in 300 Area utility charges and S&M activities.
- 100-D/F/H and 300 Area burial grounds remediation underruns. Partially offset by 618-7 anomalies, increased costs for 118-K-1 remediation and interim shutdown costs, and by significant project support costs at all active dig sites.
- ERDF cost overruns in transport, treatment, and disposal of waste due to operational issues; overrun in purchase and leasing of additional equipment; and transportation and disposal subcontractor mobilization.



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**TARGET COST STATUS: (CONT'D)**



**Contingency Summary (\$K)**  
 Total: \$261,126  
 Drawdown thru 9/09: 62,650  
 Contingency Balance: \$198,476

**Cum Through FY09 Summary (\$K)**  
 Total: \$82,747  
 Drawdown thru 9/09: 62,650  
 Contingency Balance: \$20,097

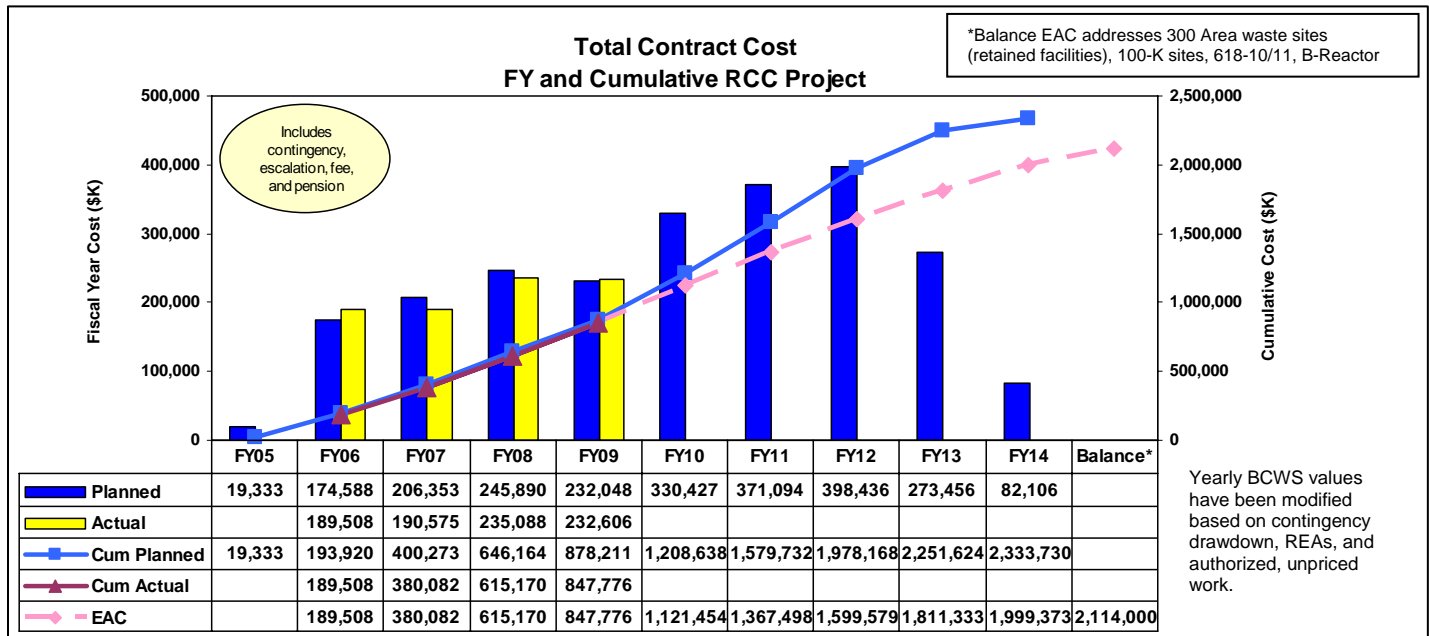
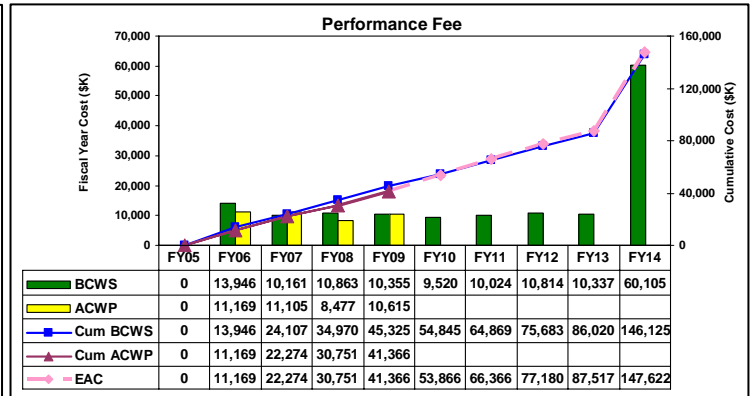
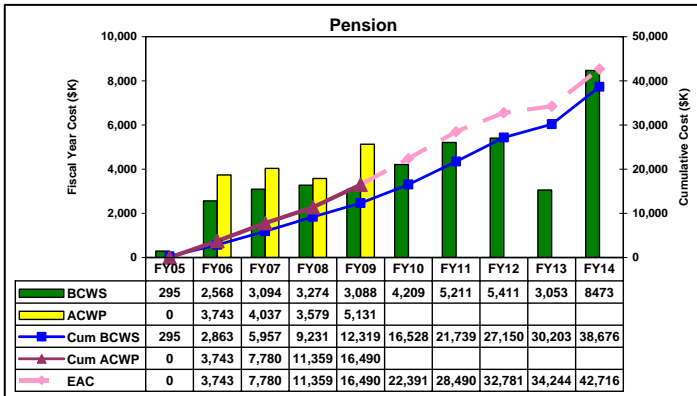
Distribution of \$62,650K cumulative contingency drawdown:  
 \$ 71K - D4  
 \$41,520K - FR  
 \$10,551K - Waste Operations  
 \$ 2,186K - ESFC  
 \$ 8,322K - Mission/General Support

The final material difference value in Contract Modification 123 (9/23/09) (previously referred to as Mod 30) required a contingency adjustment of -\$6.7M in September. This is an IPB Rev. 1 true-up from the initial negotiated settlement that occurred in May 2009. Additionally, an -\$11.5M contingency adjustment was made to the CLIN 1 contingency pool in September to implement Contract Mod 142. This mod descoped associated ARRA work, contingency, and fee from CLIN 1 and established a new CLIN 4 where ARRA work will be consolidated.

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**TOTAL CONTRACT COST:**



**FUNDING:**

Funding Summary (\$K) Period Ending 9/30/09										
	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
<b>FUNDING PROFILE</b>										
Contract Funding Profile - FY	20,000	183,000	212,000	232,000	242,000	297,000	376,000	406,000	416,000	409,000
Contract Funding Profile - Cumulative	20,000	203,000	415,000	647,000	889,000	1,186,000	1,562,000	1,968,000	2,384,000	2,793,000
<b>FUNDING ALLOCATION</b>										
*Contract Allocation through 9/30/09 - By FY	23,402	174,170	205,059	234,133	229,265					
**Contract Allocation - Cumulative (through Mod #143 + IEWOs)	23,402	197,572	402,631	636,764	866,029					

\* Does not include \$2,240K non-RCC funds

\*\* Includes base contract and directed workscope (excluding ARRA)

**TRENDS:**

No significant trends identified this reporting period.

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**ACCELERATION INITIATIVES:**

The RCCAT utilizes cost underruns to accelerate workscope to the IPB planned amount. Key RCCAT actions through September 2009 relate to:

- 300 Area and 100-N Area facility deactivation and demolition accelerations; 300 Area S&M and utility closure underruns.
- Acceleration of field remediation at waste sites in the 100-D, 100-F, 100-N, and 100-K Areas; acceleration of 100-B/C backfill.
- Additional volumes (plumes) at 100-B/C and 100-K burial grounds, 100-N crib remediation sites, and 300 Area burial grounds.
- Resolving issues associated with discovery of anomalies at waste remediation sites.
- ERDF issues resolution and upgrades.

**CHANGE CONTROL:**

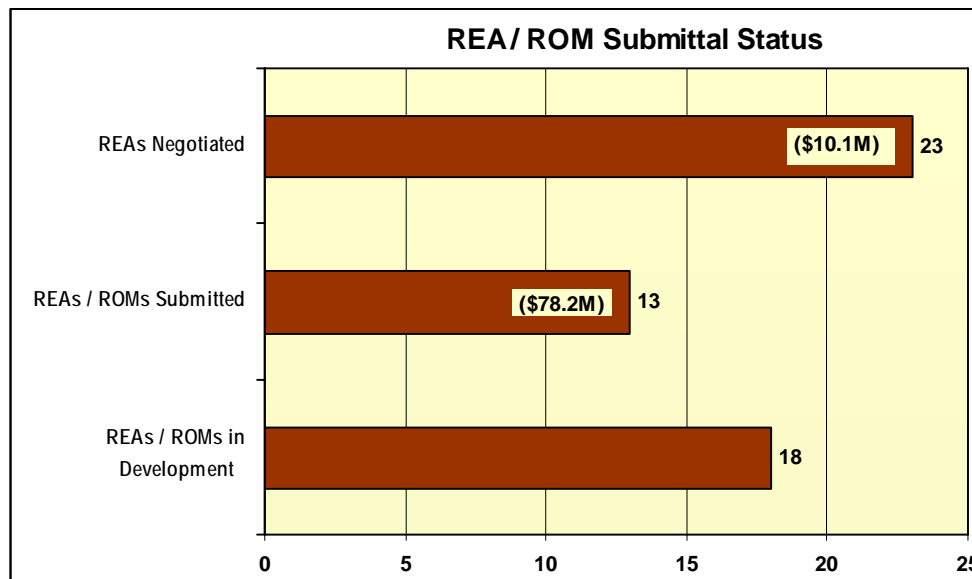
There were three Field Remediation project BCPs approved in September for base WCH work. All were contingency draws related to additional remediation quantity growth in the 300 Area, 100-H Area, and 100-B/C Area.

IPB Rev. 1 was adjusted in September for final Contract Modification 123 (a.k.a Mod 30) negotiations. IPB Rev. 1 was also adjusted in September for Contract Modification 142 (09/30/09) that transferred ARRA scope from CLIN 1 to a new CLIN 4. CLIN 4 was established to consolidate ARRA work. September database input descope \$41.1M of the ARRA CLIN 1 scope (Phase 1), contingency, and fee. But the offsetting CLIN 4 entries will not occur until October business since the authorization came at the end of the month.

Up to this point, no change control actions for ARRA work had been initiated. RCCAT funding authorizations were required, however. An interim EAC was updated and managed against authorized funding for RCCAT-approved work. Actual costs have been captured and reported in the Project Integration database. The baseline for ARRA Phase 1 will come on line for October reporting. Change control documentation will then commence in the same fashion as with the 'base' scope.

**REQUESTS FOR EQUITABLE ADJUSTMENT (REAs) AND ROUGH ORDER OF MAGNITUDE (ROM) ESTIMATES:**

The following table depicts REA/ROM submittal status. Attachment 1 of the Executive Summary contains a detailed listing of REAs/ROMs.

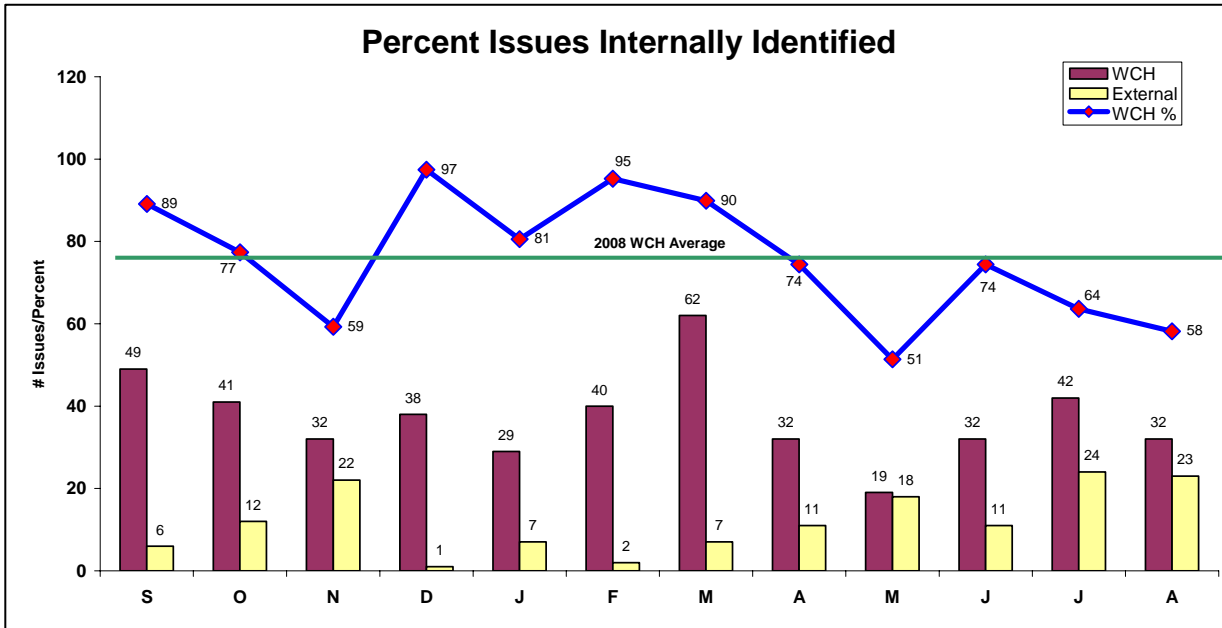


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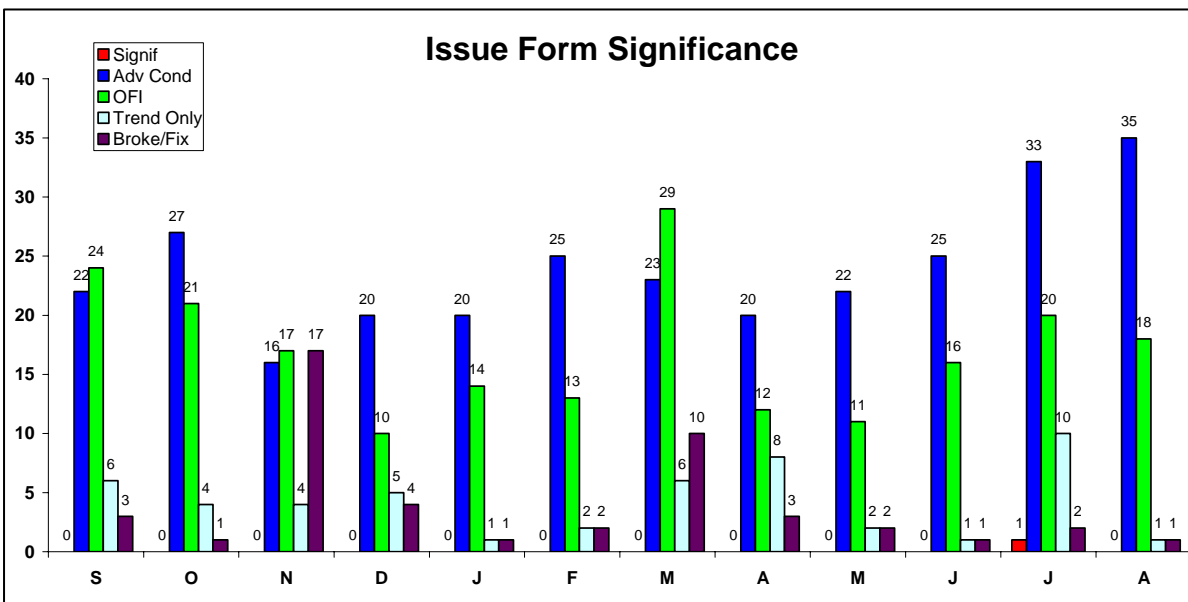
**QUALITY:**

As part of the Quality Assurance focus on continuous improvement, the following charts depict the identification and documentation of issues, their relative significance, and the overall responsiveness towards addressing the issues. The data are derived from the Corrective Action Management System (CAMS) and includes adverse conditions (AC) and opportunities for improvement (OFI). These charts illustrate data for a 12-month timeframe from September 2008 through August 2009.



**Percent Issues Internally Identified:**

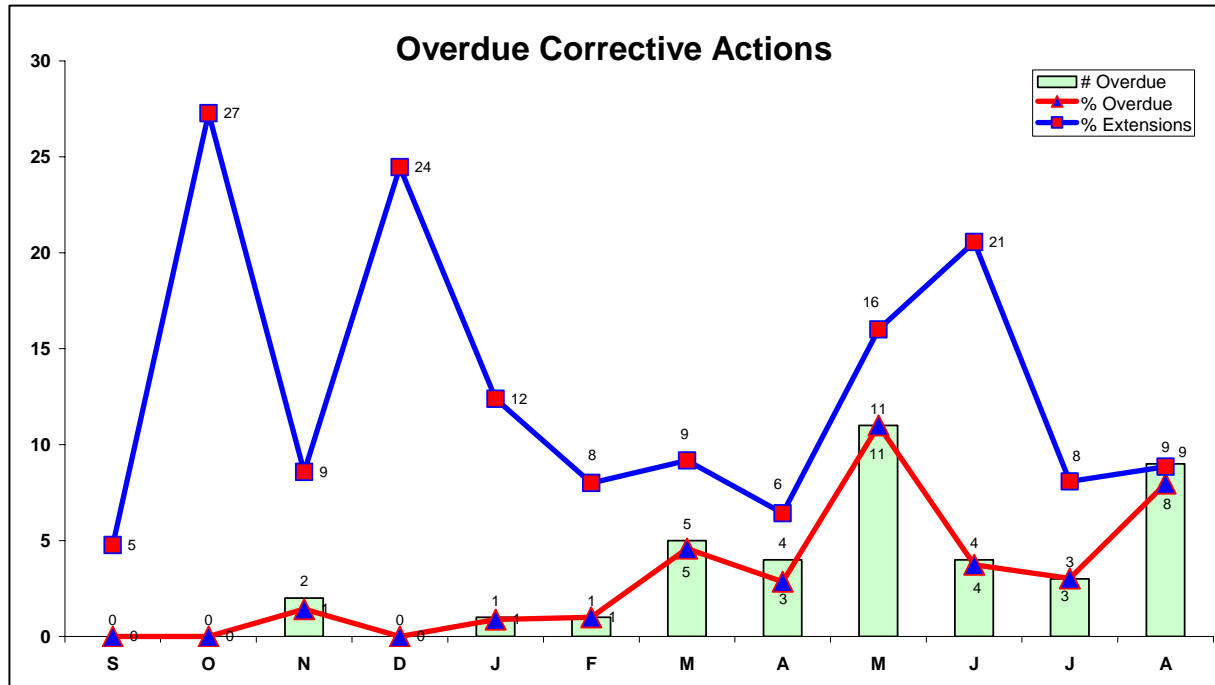
- **Analysis:** Results primarily influenced by the Type B accident report where each Judgment of Need (JON) was entered as a separate Issue Form (IF). August level is at 58 and the 12-month average is at 76%. If the Type B JONs were counted as one issue, then this month's ratio would be at 89%.
- **Action:** Continue to communicate appropriate use of the IF system to document and address problems encountered by WCH personnel and activities.



**Issue Form Significance:**

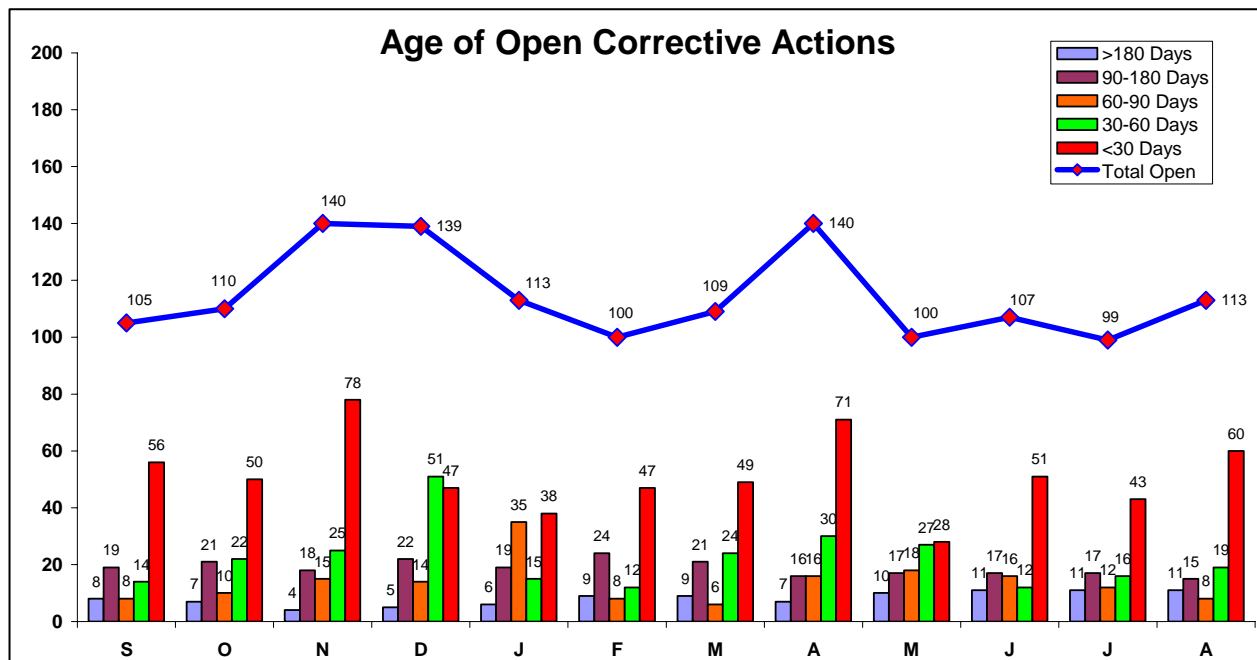
- **Analysis:** August numbers (57) are higher than the annual rate (50), primarily influenced by 23 issues from DOE assessment activities, 20 of which were the JONs from the Type B report. This indicates that August IF activity was actually at 38, which is significantly below the annual rate of 50.
- **Action:** Continue to monitor appropriate use of the system and reinforce expectations for use of the CAMS process to document problems.

**QUALITY: (CONT'D)**



**Overdue Corrective Actions:**

- Analysis:** August data for overdue issues are within acceptable range (9), and the extension activity is also at acceptable levels (10); both are still higher than desired and warrant attention. The average age of corrective actions is relatively stable and is actually trending downward showing that, from a program health point of view, the extension activities are not having a negative impact. Overall performance has met or exceeded goal for eleven of the last twelve months. Issues are being appropriately managed.
- Action:** QA to issue reminders on corrective actions that are overdue to improve focus and attention on preventing actions from going overdue.



**Age of Open Corrective Actions:**

- Analysis:** The average age of actions is currently at 59 with the 12-month average being 65 days. The majority of actions are less than 30 days old. Of the 11 actions greater than 180 days, 8 are due to be closed by September 30.
- Action:** Maintain a focus on greater than 180-day actions for appropriateness.

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**SUBCONTRACTING GOALS:**

Per Contract Section H.13:

<b>WCH Self-Performed Work (\$K)</b> (cumulative ACWP less Pension)	
WCH Direct Labor	\$247,568
All Other	\$583,718
<b>Total</b>	<b>\$831,286</b>
Percent Self-Performed *	29.8%

\* Goal to be 40% or less. (Excludes ARRA data.)

As a function of subcontract commitments:

	Goal *	Oct 2008 - Sep 2009 (2nd 3-yr window)	ARRA	Total
Small Business	65.0%	<b>92.2%</b>	97.1%	93.0%
Small Disadvantaged	22.0%	<b>16.7%</b>	21.6%	17.4%
Woman-Owned	13.0%	<b>10.6%</b>	42.9%	15.4%
HUBZone Certified	4.5%	<b>8.9%</b>	12.9%	9.5%
Veteran-Owned	3.0%	<b>2.9%</b>	11.1%	4.1%
SD Veteran-Owned	3.0%	<b>1.5%</b>	11.2%	3.0%

\*Per contract Section J.4

<b>Small Business Subcontract Goal (\$K)</b> (Inception through September 2009)	<b>Previous Month</b>	
Cum Funding Received (minus Pension portion)	\$853,710	\$852,768
Small Business Subcontract Committed through Current FY	\$371,092	\$356,844
Percent Committed *	43.5%	41.8%

\* Goal to be 30% or greater. (Excludes ARRA data.)

**ISSUES:**

- **Issue:** Two areas of chromium contamination have been discovered outside of any previously defined waste site boundary. The first location is near the remediated 100-D-12 chromate transfer station and directly over a known chromate groundwater plume. The other location is near the southwest corner of the remediated 100-D-30 waste site (190-D building). Ecology has verbally indicated they would not approve any waste site closure package associated with potential chromate contamination until these areas have been evaluated and additional vadose characterization completed for the 100-D Area. Due to the limited progress, Ecology requested RL to install an interim cover over these two waste sites. The following additional high priority sites have been identified: 100-D-73, 100-D-76, 100-D-77, 100-D-78, and 100-D-100.

**Status:** A meeting was held with RL on 7/29/09 to discuss the path forward for these sites. For 100-D-30, the RSVP will be completed and submitted for review and approval based on the verification sample data demonstrating the site is cleaned up. A new discovery site would be created for the southwest contaminated area that is not associated with 100-D-30. This new discovery site has been identified as 100-D-104. The other sites will be recommended for remediation. A letter was submitted on 9/30/09 to RL describing the recommended path forward.
- **Issue:** There is substantial evidence that the 128-H-2 and 128-H-3 waste sites that have been identified as burn pits were never used as burn pits or for other hazardous waste disposal. This is based upon several pieces of evidence including, but not limited to, historical documentation review, the locations have the character cuts for borrow soil and there is an immediately adjacent road fill, no significant anomalous geophysical features exist, no hazardous solid wastes or other evidence of burning or disposal have been located in site investigations, and analytical data collected from confirmatory sampling are not suggestive of hazardous waste disposal.

**Status:** Efforts between RL and Ecology to resolve comments have resulted in an agreement to enter into dispute. Once the RSVPs are submitted to Ecology, it is expected that Ecology will reject the WSRF, thus elevating them to IAMIT. The 128-H-2/128-H-3 RSVP was informally transmitted to RL 7/9/09. The WSRF and RSVP were formally submitted to Ecology by RL on 7/23/09. Ecology formally rejected the WSRFs in a letter to RL dated 9/24/09. Two letters are being prepared: a letter for RL to send to Ecology transmitting response to comments; and a letter identifying the potential milestone impact should continual path forward delay continue. Sites 128-H-2 and 128-H-3 are included in TPA Milestone M-16-51 (due 12/31/11).
- **Issue:** The 132-H-3 Effluent Pumping Station is a confirmatory sampling site that was removed during D4 operations. Ecology requested RL to collect soil data. Because collection of soil samples would, in essence, remediate the site and be difficult and very costly, RL requested Ecology to consider evaluating the groundwater data. Ecology did not agree to using groundwater data to demonstrate protectiveness of the soil. At the 6/9/09 Brown Bag meeting, RL indicated dispute was the next step in the process. Ecology concurred.

**Status:** The RSVP and WSRF were transmitted to RL 7/23/09. RL was to formally submit to Ecology in anticipation that Ecology would reject the WSRF and the matter would enter dispute. This site is included in TPA Milestone M-16-51 (due 12/31/11). RL indicated they are re-evaluating raising this site to IAMIT. A meeting was held with RL on 8/19/09. Based on discussion, it was determined this site would not be raised to IAMIT but would instead be sent to RTD (remove, treat, dispose). An RTD memo was issued on 9/8/09. **This issue is closed.**

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**90-DAY LOOK AHEAD:**

**Major Activities:**

***D4 Closure Project***

- Commence demolition of 1112NA Microwave Tower (October).
- Complete below-grade demolition and loadout of 384 Power House (October).
- Complete hazardous waste removal in 315 complex (November-December).

***Reactor ISS Closure Project***

- Complete 105N removal of siding on east side (October).
- Complete 109N south side small pourbacks (October).
- Complete south and east side backfills surrounding 109N (November).

***FR Closure Project***

- Begin 118-K-1 remediation (October).
- Begin 100-IU-2/6 remediation (November).

***Waste Operations Project***

- Start ready-to-serve (RTS) initiative (October).
- Submit ERDF Operations disposal subcontract extension for RL approval (November).

***End State and Final Closure Project***

- Complete groundwater upwelling Phase IIb indicator contaminant screening and begin Phase III groundwater upwelling characterization activities using Trident Probe technology (October-December).
- Complete fish collection activities for walleye, sturgeon, sucker, and carp to support the remedial investigation for Hanford Site releases to the Columbia River (October-November).
- Initiate field investigation phase for the 400 Area orphan site evaluation (October).

***Mission/General Support***

- Revise radiation protection program to incorporate new dosimetry system mandated by 10 CFR 835 revision (October).
- Perform Type B action item mid-point effectiveness assessment (December-January).
- Participate in the development and review of the site-wide fall protection program (October-December).
- Complete FY10/11 Contractor Performance Plan (CPP) (October).
- Submit 2015 Vision Roadmap for reducing the site cleanup footprint (October).
- Complete the Deductive Change Proposal for 100-K and the 300 Areas (December).

***ARRA Workscope***

- Begin receiving 10 upgraded shuttle trucks for ERDF operations (October).
- Initiate 618-10 radiological characterization (October).
- Prepare and issue 618-10 value engineering report (October-November).
- Begin negotiations for ARRA Phase 2 Technical and Cost Proposal (October).

**GFS/I:**

A total of 108 action items have been identified that require RL action within the next three months. Detailed listings of the actions are included within the following individual Project reports.

**RIVER CORRIDOR CLOSURE PROJECT**  
**EXECUTIVE SUMMARY**  
 September 2009 Monthly Report



**RISK MANAGEMENT REPORT:**

Cumulative To-Date Risk Item Status		Cumulative To-Date Risk Mitigation Action Status	
Risk Items OPEN	59	Risk Mitigation Actions (To Go) PLANNED	75
Risk Items CLOSED	35	Risk Mitigation Actions COMPLETED	113
Risk Items ON HOLD	38	Risk Mitigation Actions PENDING	13
Risk Items CANCELLED	7	Risk Mitigation Actions ON HOLD	57
<b>Total WCH Risk Items</b>	<b>139</b>	<b>Total Risk Mitigation Actions</b>	<b>258</b>

**Risk Items and Mitigation Actions Closed or Modified This Period**

**D4-006, Rev 1 – Structural Integrity for Heavy Lifts (Risk Score: Low) Risk Open**

**Risk Item:** There will be at least 3 very heavy hot cell lifts and dozens of other substantial hot cells in the 300 Area. It is planned to move the hot cells in one piece to ERDF. It is uncertain whether they are structurally sound enough to do so. Impact: The WCH D4 cost and schedule estimates assume that heavy lifts are feasible. If they are not, alternate approaches, including making significant structural modifications, will almost certainly result in cost and schedule impacts.

**Status: Open. Mitigation 3.** This risk mitigation has been incurred for the 324 building. A cost evaluation is currently being performed.

**Prior Months Pending/Ongoing Risk Items**

- CS-004 Risk Assessment Second Year Sampling Phase
- CS-005 Multiple Remedial Investigation Reports and Proposed Plans
- CS-006 Columbia River Component of the River Corridor Baseline Risk Assessment
- CS-007 Potential for Unplanned Involvement in Natural Resource Damage Assessment (NRDA) for River Corridor
- D4-005 Facility Information Available During RCCC Solicitation Missed Significant D4 Issues
- D4-006R1 Structural Integrity of Heavy Lifts
- D4-010 Underground Utility Damage
- D4-011R1 Late Turnover of PNNL Facilities
- D4-013 Status at Turnover of PNNL Buildings
- D4-016 Concrete Foundations for 181N and 181NE Extend into the Water
- FR-004 Cultural Resources
- FR-009 K-Basin Turnover Status
- FR-013 Fuel/Alpha Contamination Waste
- FR-016R1 Field Remediation Excavation Quantities
- FR-017 Disposition of SNF
- FR-018 100-C-7 Remediation
- FR-021 100-D Burial Ground CVP
- FR-022 100-D Hexavalent Chromium
- FR-062R1 Newly Discovered Orphan Sites
- FR-063R1 Failed Confirmatory Sites
- FR-064 100-N Area Bioremediation Pilot
- FR-065 600-149 Characterization
- FR-066 Discovery of Chromium Plumes
- FR-068 Utilities to Remain in the 300 Area
- FR-071 Failed Previously Closed Out Sites
- FR-073 Beryllium Exposure to Workers
- GEN-002R1 HAMTC Site-Wide Seniority
- GEN-007 Workman's Compensation
- GEN-008R2 FY Funding
- GEN-014 Project Sampling Resource Requirements

**Risk Items Due - 90-Day Look-Ahead**

**October 2009**

- D4-011R1 Late Turnover of PNNL Facilities

**November 2009**

None

**December 2009**

None

**RIVER CORRIDOR CLOSURE PROJECT**  
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**Emerging Risks** (new risks identified or revised during the month)

- FR-077 - Field Remediation identified (August 2008) a new risk for - Partial Remaining Sites Verification Package.
- FR-078 - Field Remediation identified (August 2008) a new risk for - Petroleum Waste Sites Removal from ROD.
- 618-10/11 - WCH-216 Rev. 0, 600 Area Non-intrusive Characterization Risk Register, has been submitted to RL (February 2008). New risks have been identified and will be implemented in the Risk Register once the workscope is authorized from RL.

**Unusual Activities** (may include unanticipated cost or schedule impacts [favorable or unfavorable] for mitigation activities, go/no-go decisions, or deployment of contingency for risk mitigation)

- None

**RIVER CORRIDOR CLOSURE PROJECT**  
**ATTACHMENT 1 - REA/ROM SUBMITTAL STATUS**  
September 2009 Monthly Report



**REA/ROM Submittal Status**

**REAs Negotiated:**

WCH-REA-002R1 - DOE CRD O 226.1 Rev. 0 - Implementation of DOE Energy Oversight Policy (1/16/08)  
WCH-REA-004R1 - DOE CRD O 414.1C - Safety Software Quality Assurance (includes guide, CRD G 414.1-4) (1/16/08)  
WCH-REA-007R1 - DOE CRD O 420.1B Supp Rev. 0 - Change to WCH Criticality Safety Program (1/16/08)  
WCH-REA-008R1 - 100-F Area Orphans/Confirmatory Sites (1/16/08)  
WCH-REA-012R1 - DOE CRD M 470.4 Series - 470.4-1 Safeguards & Security Program, 470.4-2 Physical Protection, 470.4-4 Information Security, and 470.4-5 Personnel Security (1/16/08)  
WCH-REA-016 - Columbia River Component SAP, documentation for CRC (4/22/08)  
WCH-REA-017 - 618-10/11 Burial Grounds - Phase I Characterization Plan (1/16/08)  
WCH-REA-020 - B Reactor Roof - Phase I (1/16/08)  
WCH-REA-022 - 618-10/11 Phase II Characterization Plan, BIO, SAP, ENW Support (3/2/09), negotiations complete 8/25/09  
WCH-REA-023 - Four 100-D Area Confirmatory Sites (high priority potential chromium sites) (4/30/09), negotiations complete 8/19/09  
WCH-REA-025 - Lockout Tagout (7/9/09) - negotiations complete 9/30/09  
WCH-REA-029 - B Reactor Roof - Phase II (7/2/08)  
WCH-REA-031 - 100-D Hydraulic Hammer Rig Sample Analysis (CRC fieldwork)  
WCH-REA-032 - 100-F Shoreline Investigation (3/17/09), negotiations complete 8/19/09  
WCH-REA-035R1 - Columbia River Component (CRC) - Phase II (10/2/08)  
WCH-REA-040 - PRC Transition (7/30/08)  
WCH-REA-041R1 - 100-D-100 - (1/28/09) - negotiations complete 7/23/09  
WCH-REA-043 - MSC Transition (10/23/08) - negotiations complete 6/10/09  
WCH-REA-045 - H Area Confirmatory Sites (3/10/09), negotiations complete 8/26/09  
WCH-REA-051 - 1112NA Microwave Tower Demolition (12/18/08) - negotiations complete 4/29/09  
WCH-REA-052 - 1902D Water Tower Demolition (12/18/08) - negotiations complete 6/25/09  
WCH-REA-066 - 100-B/C Remediation for 100-B-31, 100-B-32, 100-B-33 (3/19/09) - negotiations complete 9/24/09  
WCH-REA-069 - Implementation of RRD 008 Rev. 1 (7/23/09) - negotiations complete 9/29/09

**REAs / ROMs Submitted:**

WCH-REA-005R1 - DOE CRD O 151.1C - Comprehensive Emergency Management System  
WCH-REA-015 - Design/Remediation for Three 100-B/C Area Sites (100-B-20, 100-B-25, 100-B-28) (7/1/09)  
WCH-REA-021 - CRD O 205.1 Rev. 0 - Energy Cyber Security Management (1/9/08), RL NTP received 3/31/08  
WCH-REA-036 - Columbia River Component (CRC) Phase III (4/22/09)  
WCH-REA-042 - Chronic Beryllium Disease Prevention Program (8/13/09)  
WCH-REA-048 - Groundwater Integration (6/25/09)  
WCH-REA-050 - CRD O 450.1A, Environmental Protection (7/23/09)  
WCH-REA-059 - H Area Design & Remediation #1 (Design & Remediation of 126-H-2, 600-151, 1607-H1, 1607-H3 / Design of 128-H-1, 100-H-3, 100-H-4, 100-H-28:3 & :4 & :5 (4/7/09)  
WCH-REA-064 - D Area Design & Remediation #1 (128-D-2) (4/15/09)  
WCH-REA-070 - 100-D Area Remediation #2, Remediation for 100-D-7, 100-D-65, 100-D-66, 1607-D1, 1607-D5, 100-D-50:6 (4/15/09)  
WCH-REA-076 - Development and Implementation of the DOE Tribal Use Scenario into RCBRA (7/1/09)  
WCH-ROM-034 - DOE O 243.2, Supp. Rev. 0, Vital Record Changes (7/22/08)  
WCH-ROM-073 - Implementation of CRD DOE O 200.1A - Information Technology Management (4/27/09)  
WCH-ROM-082 - Implementation of CRD O 442.1A, Supplemented Rev. 22, DOE Employee Concerns Program (9/17/09 & 10/6/09) - No impact

**REAs / ROMs in Development:**

WCH-REA-019 - 300 Area Utilities  
WCH-REA-024 - 300/400 Area Facilities (descope) MO-740 / MO-766 Scope Deletion, and 100-K Area (descope) (combining REA-024 and REA-030 as complete scope deletion package)  
WCH-REA-047 - 100-D Area Bat Caves (100-D-50:2 and 100-D-50:3)  
WCH-REA-054 - ERDF Performance Assessment  
WCH-REA-055 - Fee Request for OHC Scope  
WCH-REA-056 - 183D Demolition  
WCH-REA-060 - H Area Remediation #2 (Remediation of 128-H-1) (4/7/09) - REA rejected (May 2009), will be resubmitted as Rev. 1.  
WCH-REA-061 - H Area Remediation #3 (Remediation of 100-H-3, 100-H-4, 100-H-28:3 & :4 & :5)  
WCH-REA-062 - H Area Remediation #4 (Design & Remediation of 100-H-8, 132-H-3, 100-H-28:2 & :7)  
WCH-REA-071 - Demolition of 331 Hog Barns  
WCH-REA-074 - Cost Impact to B-Reactor Partial ISS/Hazardous Material Reduction as a Result of Changed Conditions in Work Performance  
WCH-REA-075 - Removal of 100-N Sewer Lagoon (1904N) from RCC Contract (descope)  
WCH-REA-077 - Conversion from P3 to P6  
WCH-REA-078 - Development and Implementation of Site-Wide Respiratory Protection Program  
WCH-REA-079 - Groundwater Integration 100-D/H and 100-K Field Investigation  
WCH-REA-080 - Perform Pre-concurrence Review of the River Corridor Baseline Risk Assessment  
WCH-REA-081 - Confirmatory Sampling Process for 23 100-N Sites  
WCH-ROM-083 - Implementation of CRD O 205.1A, Rev. 4, DOE Cyber Security Management

**RIVER CORRIDOR CLOSURE PROJECT  
EXECUTIVE SUMMARY  
ATTACHMENT 2 - ISMS QUARTERLY METRIC  
September 2009 Monthly Report**

**ISMS Quarterly Metric**

ID	ISMS Metrics	ISMS PIs	POMCS FY-09		RCCC Subject Matter Expert	FY06		FY07		FY08		FY 2009					Comments
			Stretch	Base		TOT	TOT	TOT	TOT	Q1	Q2	Q3	Q4	TOT			
A1	OSHA Total Recordable Case Rate	✓	N/A	N/A	McClure, DA	0.56	0.85	0.80	0.78	0.38	0.63	1.54	0.85	Quarterly rate is the rate for the particular quarter; the Total is the rate for the Fiscal Year.			
A2	OSHA Days Away, Restricted, Transferred (DART) Case Rate	✓	N/A	N/A	McClure, DA	0.23	0.23	0.11	0.00	0.00	0.00	0.31	0.09	Quarterly rate is the rate for the particular quarter; the Total is the rate for the Fiscal Year.			
A3	Injury/Illness Review		Director review of each injury	Thursby, SA					9	12	4	14	38	New POMC for FY09-14 injuries occurred during the 4th quarter. S&H Director and S&H Manager conducted and documented review of the incidents that occurred to include first aids and recordable injuries that occurred in the 4th qtr of FY09 detailing the incident, the corrective action taken, and planned actions to prevent recurrence. Seven of the incidents have been documented on the S&H Injury Management Review Report Form; an additional seven will have the forms completed by the end of October.			
A4	Injury Rate Continuous Improvement		Implement Corrective Action Plan for adverse trend in TRC or DART 12 MMA rate.	Thursby, SA					1	0	1	1	3	New POMC for FY09 - Developed a comprehensive corrective action plan for DOE to address the items identified in the Type B investigation of the fall event. The additional items triggering the unfavorable trend within the 4th quarter of FY09 were addressed by the issuance of similar Rude Awakening information topics, three safety pause meetings that outlined the events and necessary actions to preclude recurrence, and the increased involvement in the Safety Ownership Program. This employee empowerment included highlighting work pauses for each project, increased attention to self-identified items within the LSIT logbooks, and increased management oversight through the Senior Supervisory Watch program.			
A5	AED Awareness		Perform AED placement evals, provide training & seminars	Thursby, SA										New POMC for FY09 - Base Met during the second quarter. Quarterly review completed with training verified and AED locations confirmed.			
B1	Radiological Uptakes as Defined by DOE M 231.1-2, Group 6, Subgroup C, Criteria 3	✓	0	1	Boone, DM	0	0	0	0	0	0	0	0				
B2	Radiological Skin Contaminations as Defined by DOE M 231.1-2, Group 6, Subgroup D, Criteria 3	✓	0	1	Boone, DM	2	0	2	0	0	0	0	0				
C1	Hazardous Energy Contact	✓	0	1	Quinn, TS	0	0	0	0	0	0	0	0				
C2	Hazardous Energy Procedure Non-compliance/Violation (LO/TO)	✓	1	3	Quinn, TS	2	0	0	0	0	0	0	0				
D1	Spills and Releases		0	1	London, RJ	0	1	0	0	0	0	0	0				
D2	Environmental Non-Compliance as Defined by DOE M 231.1-2, Group 5, SC4		1	3	London, RJ	1	2	0	0	0	0	0	0				
D3	Protection of Environmental and Cultural Resources as Defined in DOE M 231.1-2, Group 5, Subgroup B		0	1	London, RJ	0	0	0	0	0	0	0	0				
D4	Environmental Protection Index		1	0.9	London, RJ	0.99	0.89	0.92	0.99	0.94	0.94	0.99	0.97				
E1	Transportation Safety Events - Physical Incidents	✓	N/A	Quinn, TS	1	0	2	0	0	0	0	0	0	FY09C1 - Near Miss - Laborer struck by roll-in/rolloff can during loading at ERDF.			
E2	Near Misses	✓	N/A	Quinn, TS	3	2	1	1	1	0	0	0	2	FY09C2 - Near Miss - Worker tripped between waste box and cell in B327 while rigging waste box			
E3	Technical Safety Requirement (TSR) Violations at Separate Nuclear Facilities		0	1 per facility/qtr	Curry, LR	0	0	1	0	0	0	0	0	New POMC for FY09 - Procedure implemented 5/19/09 with weekly communications confirmed on fleet and vehicle topics confirmed. Weekly Roundup contains weekly vehicle safety tips.			
E4	Fleet/Vehicle Safety		Implement Fleet Safety Program	Thursby, SA													

**RIVER CORRIDOR CLOSURE PROJECT  
EXECUTIVE SUMMARY  
ATTACHMENT 2 - ISMS QUARTERLY METRIC  
September 2009 Monthly Report**

**ISMS Quarterly Metric (cont'd)**

ID	ISMS Metrics	ISMS PIs	POMCs FY-09		RCCC Subject Matter Expert	FY06		FY07		FY08		FY 2009					Comments
			Stretch	Base		TOT	TOT	TOT	TOT	Q1	Q2	Q3	Q4	TOT			
F1	Completed Corrective Actions	✓	N/A	N/A	Christensen, KC	80%	77%	72%	84%	82%	85%	77%	82%	82%	Q1, Q2, & Q3 Data updated based on current status. Calculating % Completed. #Completed/#scheduled + #unscheduled, completed assessments) New ISMS PI FY09 New ISMS PI FY09 New ISMS PI FY09		
F2	Completed Scheduled Assessments	✓	N/A	N/A	Christensen, KC	88%	78%	85%	100%	99%	100%	66%	96%				
F3	Percent of Corrective Actions that are Overdue	✓	N/A	N/A	Mountain, GR				<1%	2%	4%	5%	3%				
F4	Percent of Corrective Actions that are > 180 Days Old	✓	N/A	N/A	Mountain, GR				3%	7%	8%	8%	7%				
F5	Percent of Corrective Actions Extended	✓	N/A	N/A	Mountain, GR				17%	10%	14%	7%	13%				
J1	Performance Analysis evaluations conducted		Every 12 Month Period	3	Mountain, GR			3	0	1	1	0	2				
J2	WCH Key Performance Indicator monthly evaluations conducted		3	2	Mountain, GR			11	3	3	3	3	12				
J3	Operating Experience Documents Issued		90	70	Woodford, TL			402	85	101	85	108	379				
J4	Chronic Beryllium Protection Program		N/A	80%	Thursby, SA				100	100	100	100	100				
J5	VPP Safety Recognition		Achieve VPP Designation	Submission & Approval VPP Application	Thursby, SA				Base Met	Base Met	Stretch Met	Stretch Met	Stretch Met				
J6	Hazard Identification and Mitigation		Develop & Implement Project-Wide Hazards Document		Thursby, SA				Base Met	Base Met	Base Met	Base Met	Base Met				
J7	Safety Trained Supervisor (STS) Program Inspections		Conduct STS Inspections in DL, FR, WOC & Report		Thursby, SA				> 35	>40	>40	>40	>155				

**RIVER CORRIDOR CLOSURE PROJECT**  
**DEACTIVATION, DECONTAMINATION, DECOMMISSIONING, AND DEMOLITION (D4) CLOSURE PROJECT**  
September 2009 Monthly Report



**SAFETY:**

Inception to Date: 78 first aids; 9 recordable-only; 1 lost restricted; 2 lost work days  
FYTD: 12 first aids; 2 recordable-only; 1 lost work day  
Current Month: 2 first aids

**ACCOMPLISHMENTS:**

**100 Area**

- Completed Performance Milestone #16, including applicable portions of 107N above- and below-grade demolition.
- Completed below-grade demolition of 1607N1 Septic Tank.

**300 Area**

- Completed 3718M ramp to facilitate asbestos-containing material (ACM) removal.

**324 Chemical Engineering Lab / 327 Post-Irradiation Test Lab**

- Continued cutting hot cells from 327 building.
- Continued 324 in-cell equipment/debris relocations to support 324 B-Cell decontamination.



Demolition of 107N Building  
(Before / After)



**Surveillance & Maintenance (S&M) / Utilities**

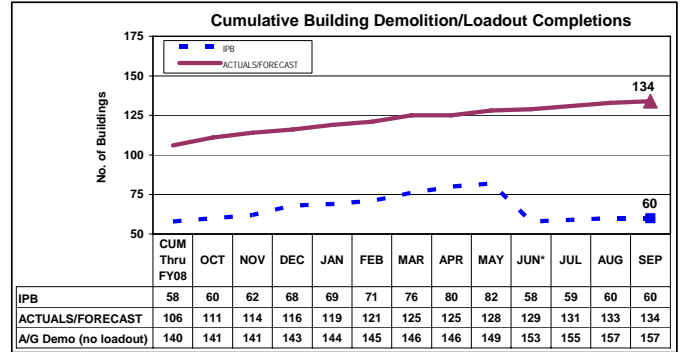
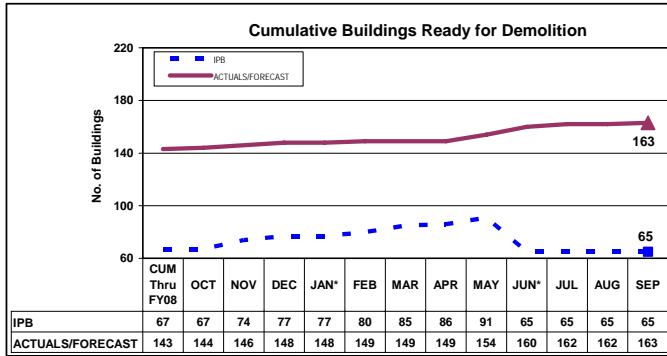
- Removed failed backup pump in the 312 pump complex.
- Installed temporary power feed for the B-Cell pipe trench cleanout.
- Installed external temporary power for the 105NE fission product trap.
- Completed initial radiological surveys of B-Reactor.
- Initiated work packages for the B-Reactor filter press removal.



# RIVER CORRIDOR CLOSURE PROJECT DEACTIVATION, DECONTAMINATION, DECOMMISSIONING, AND DEMOLITION (D4) CLOSURE PROJECT September 2009 Monthly Report



## D4 METRICS:



\*IPB Rev. 1 (Mod 30) implemented in June

## TPA MILESTONES:

To date, five D4 Closure Project TPA milestones were accomplished on (1) or ahead (4) of schedule. D4 FY09/10 TPA milestones include:

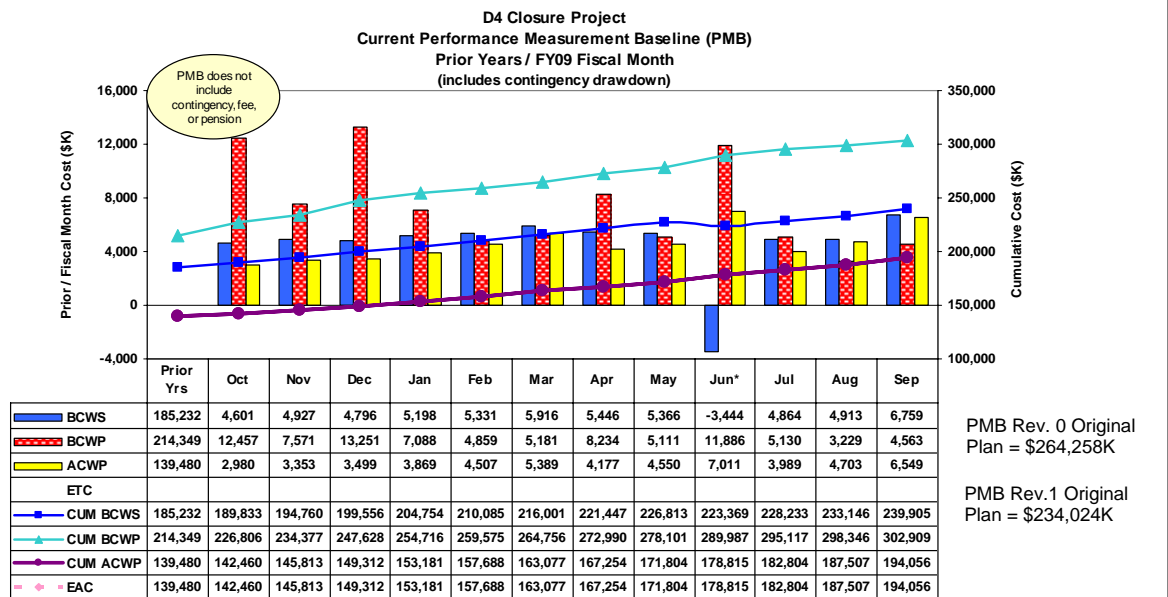
- M-94-07 Complete** Complete the Selected Removal and/or Remedial Actions that are Selected for 6 of the following 19 High Priority Facilities: 305B, 306E, 306W, 307 Retention Basins, 308, 309, 321, 323, 324, 324B, 325, 326, 327, 329, 333, 340, 3706, 307 Trench, and 3720; to include the 306E, 306W, 3720, and 305B Facilities (due 12/30/09). *Completed on 3/23/09 upon approval of closeout documentation. 3706 above-grade loadout completed 7/19/07; 306W above-grade loadout completed 12/15/07; 3720 below-grade loadout completed 10/21/08. Additionally 305B, 306E, 333 completed 3/13/08 under M-94-06.*
- M-94-03 Complete** Complete Disposition of Following Surplus Facilities: 303M, 332, 333, 334, 334A, 3221, 3222, 3223, 3224, 3225 (due 9/30/10). **Completed on 9/9/09, one year ahead of schedule.**

## PERFORMANCE MILESTONES:

All D4 Closure Project prior-year performance milestones were completed ahead of schedule. D4 Closure Project FY09/10 performance milestones include:

- 6/30/09 Complete** Complete Building 3720 Demolition. *Below-grade loadout completed 10/21/08. Final closure documentation approved on 3/23/09.*
- 9/30/09 Complete** Complete 118-H-1 Loadout, 107N Loadout as Shown in CCN 144419, 1310N Above-Grade Demolition and Contaminated Berm Loadout, and 107N T-1 Tank Disposal. *118-H-1 loadout (for IPB planned quantity) completed on 1/28/09; 107N scope completed on 9/28/09.*
- 6/30/10 On schedule** Complete Building 327 Demolition.
- 9/30/10 Behind** Complete Building 324 Demolition. *Milestone will require revision after Mod 30 implementation to align with approved TPA change package M-89-09-01.*

## TARGET COST STATUS:



\*IPB Rev. 1 (Mod 30) implemented in June

**RIVER CORRIDOR CLOSURE PROJECT**  
**DEACTIVATION, DECONTAMINATION, DECOMMISSIONING, AND DEMOLITION (D4) CLOSURE PROJECT**  
 September 2009 Monthly Report



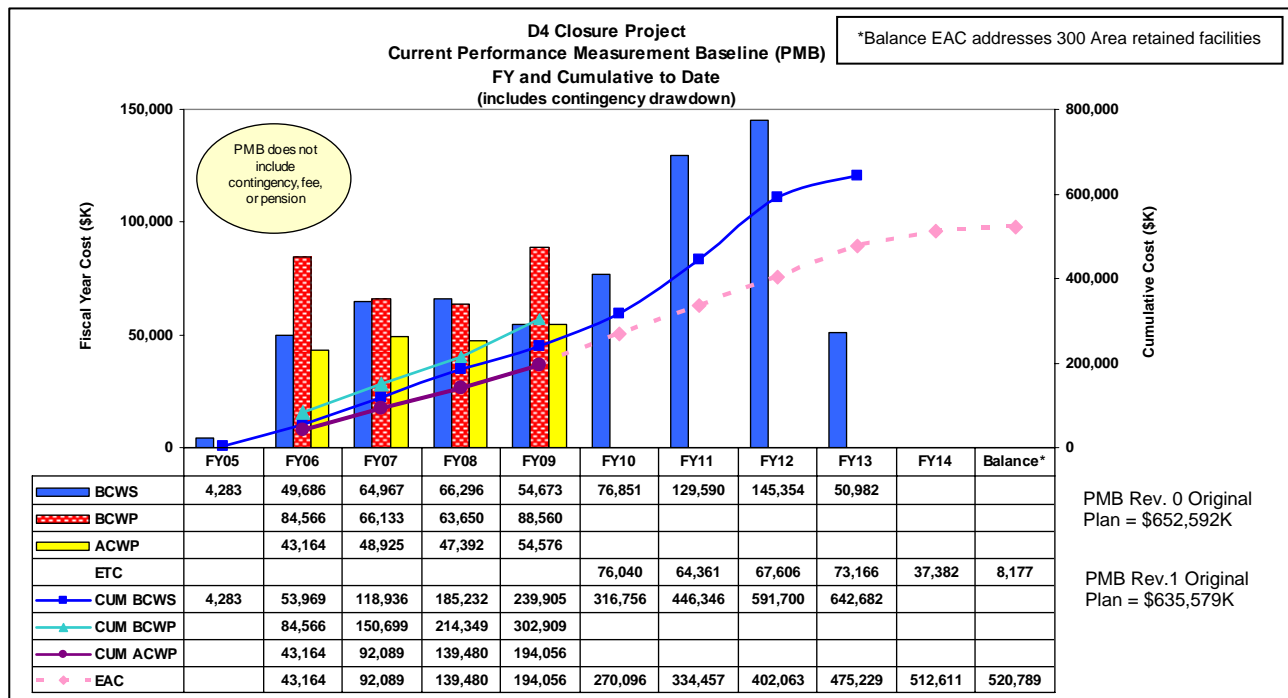
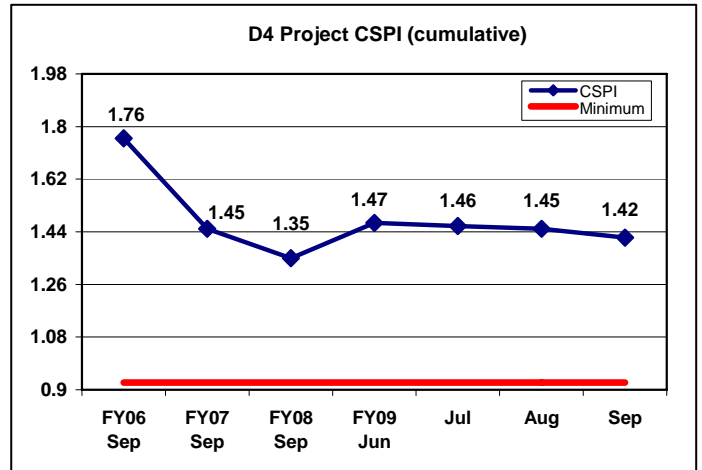
**TARGET COST STATUS: (CONT'D)**

**Schedule Variance: \$63,004K; 26.3%**

- Acceleration of numerous 300 Area and 100-N Area building demolitions account for favorable schedule variance. IPB Rev. 1 plan was for demolition of 60 buildings through September 2009, while 134 have been completed.
- Earned value technique for LOE management and support and nonsite specific support accounts was changed in October 2008 to apportioned effort to align the performance of these accounts with the overall D4 performance.

**Cost Variance: \$108,854K; 35.9%**

- Significant underruns experienced in 300 Area building characterization, deactivation, and demolition activities.
- Significant underruns in 300 Area utility charges and S&M activities.



**ISSUES:**

None for this reporting period.

**90-DAY LOOK AHEAD:**

**Major Activities:**

**100 Area**

- Commence demolition of 1112NA Microwave Tower (October).
- Commence deactivation of 105NE Fission Product Trap (October-December).
- Complete deactivation of 181N and 181NE Pump Houses (October-December).
- Commence demolition of 1902D Water Tower (November-December).
- Complete deactivation of 117N Air Filter Building (November-December).
- Recommence deactivation and asbestos abatement of 182N High-lift Pump House (November-December).



**90-DAY LOOK AHEAD: (CONT'D)**

**Major Activities:**

**300 Area**

- Complete below-grade demolition and loadout of 384 Power House (October).
- Complete demolition of MO-274 and MO-275 (October).
- Complete deactivation of 3621D (October-November).
- Continue shipping 308 gloveboxes to Perma-Fix (October-December).
- Complete demolition of 336 building (November).
- Remove ACM from 3718M (November).
- Complete hazardous waste removal in 315 complex (November-December).
- Complete 337BA below-grade demolition (December).
- Complete 338 demolition (December).

**324 Chemical Engineering Laboratory / 327 Post-Irradiation Test Laboratory**

- Perform 324 B-Cell decontamination (October).
- Complete cutting hot cells from 327 (October).

**S&M / Utilities**

- Complete construction of retention process sewer (RPS) reroute in TEDF Area (October).
- Complete tie-in of Lift Station #12 (October).
- Award Lift Station #11 construction (October).
- Complete 331 electrical construction (October).
- Initiate 3621D and 352E electrical isolations (October); complete cold/dark utility isolations (2.4 Kva system) (November).
- Initiate closure planning for 3621B/C backup electrical power facilities (December).
- Complete design of 300 Area water distribution system (October).
- Complete design of 385 Water Pump Skid (October); complete RFP/SOW, bid, and award (November); initiate construction (December).
- Complete 325 backup electrical modifications (October).
- Complete transition of 310 TEDF and 340 facilities from CHPRC to WCH (October).
- Prepare transition plan for 3790 from FH to WCH S&M (November).
- Continue temporary electrical power fabrication action and field work for 324 facility (October-November).
- Develop statement of work for 300 Area water distribution system rehabilitation work (October); issue RFP and award contract (November).
- Support 618-10 utility planning (October-November).
- Award contract for 100-N Area water line project (October); complete construction of reroute (December).
- Prepare 1120N water services plan (relocation of services and vacate plan) (November); complete relocation to Energy Northwest (December).
- Initiate work activities for B-Reactor filter press removal (November-December).
- Prepare for and perform D-Reactor five-year inspection (October).
- Prepare work package for H-Reactor five-year inspection (December).
- Develop and perform utility isolations plans/work documents to support 400 Area D4 (October-December).
- Complete transition of all work packages to IWCP Rev. 5 (October).

**GFS/I Actions:**

None for this reporting period.

**REGULATORY INTERACTIONS:**

None for this reporting period.

# RIVER CORRIDOR CLOSURE PROJECT REACTOR INTERIM SAFE STORAGE CLOSURE PROJECT

September 2009 Monthly Report



### SAFETY:

Inception to Date: 13 first aids; 3 recordable-only, 1 lost work day  
 FYTD: 2 first aids; 2 recordable-only  
 Current Month: None

### ACCOMPLISHMENTS:

#### **105N Reactor / 109N Heat Exchanger Building**

- Began 109N large pourbacks from below grade to +10 feet.
- Completed all 109N above-grade hazardous material removal except for stair 7 lead pig removal which is to be completed after backfill.
- Initiated south and east backfill on area surrounding 109N.
- Continued rewrites of 105N Type II Work Packages as required by IWCP, Rev 5.
- Continued turbine size loadout to ERDF.

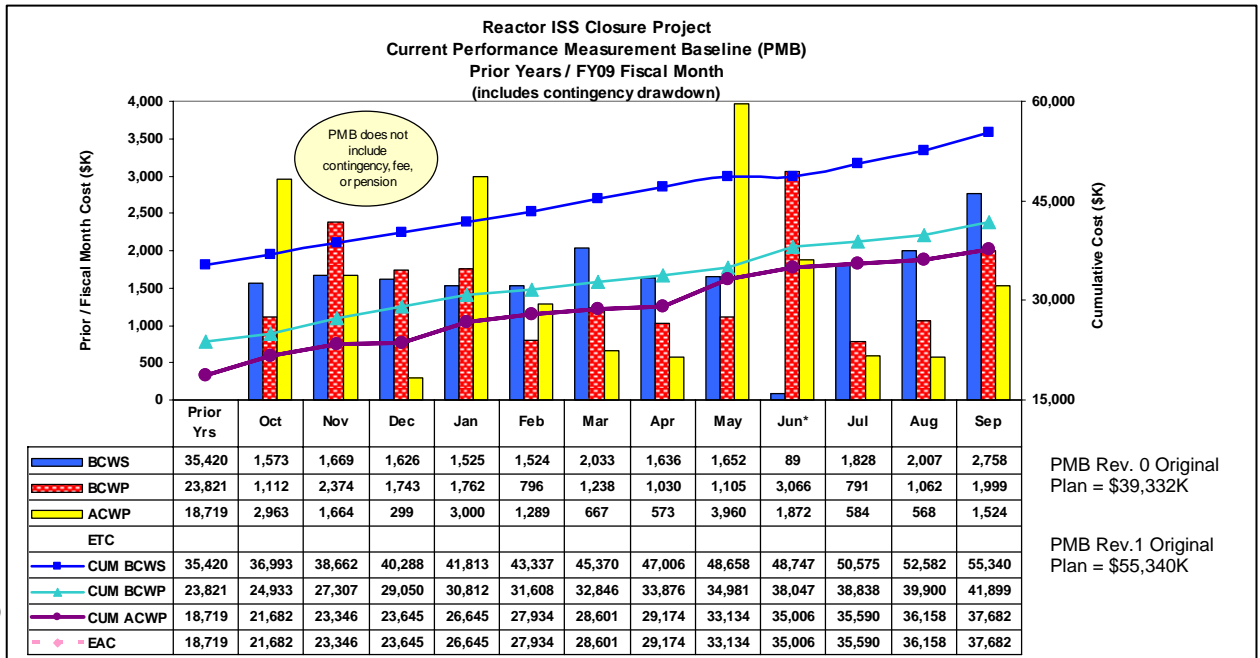


Performing 109N Pourbacks

### TPA MILESTONES / PERFORMANCE MILESTONES:

To date, three Reactor ISS Closure Project TPA milestones were accomplished ahead of schedule. There are no FY09/10 TPA milestones for the Reactor ISS Project. There are no performance milestones for the Reactor ISS Closure Project.

### TARGET COST STATUS:



\*IPB Rev. 1 (Mod 30) implemented in June

# RIVER CORRIDOR CLOSURE PROJECT REACTOR INTERIM SAFE STORAGE CLOSURE PROJECT

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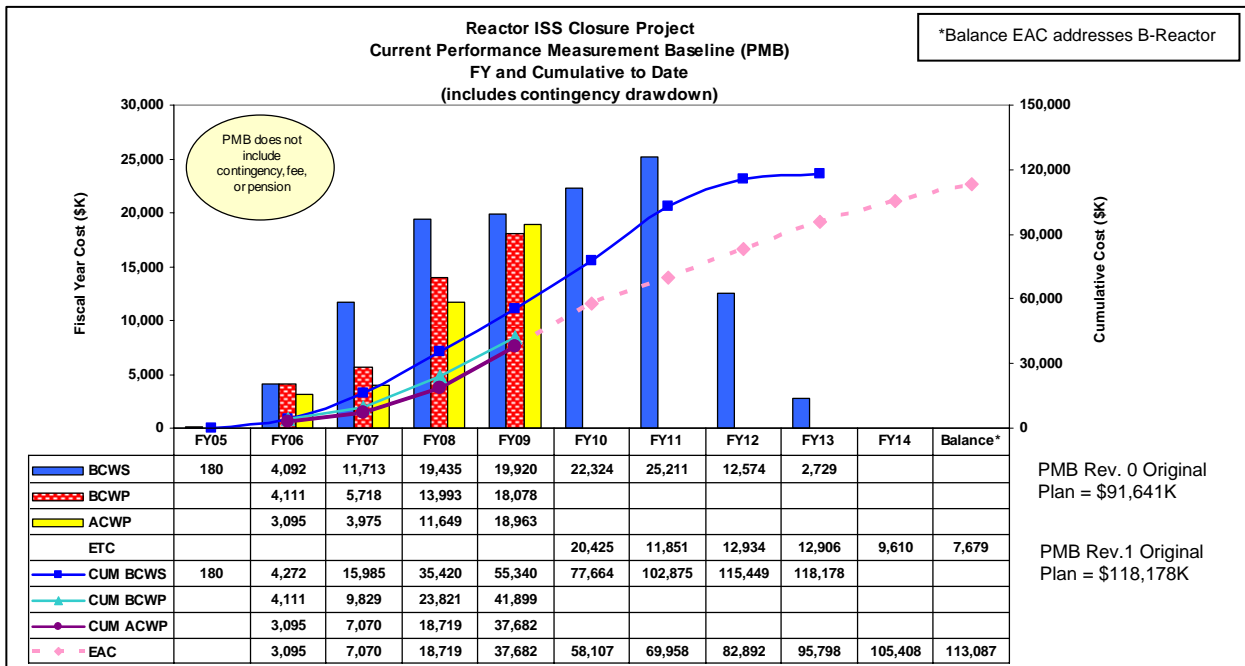
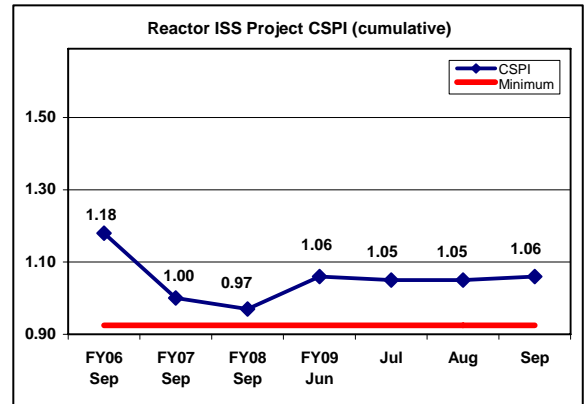
## TARGET COST STATUS: (CONT'D)

### Schedule Variance: (\$13,441K); (24.3%)

- KE/KW Reactor ISS continues to fall behind schedule due to RL direction to stop work on these reactor sites.
- 105N/109N demolition/SSE subcontract was delayed due to increased focus on Field Remediation priority waste sites and associated quantity growth.

### Cost Variance: \$4,217K; 10.1%

- N-Reactor ISS planning and documentation required fewer resources than planned.
- H-Reactor ISS completed under budget.
- 109N/105N asbestos abatement accomplished under budget.



## ISSUES:

None for this reporting period.

## 90-DAY LOOK AHEAD:

### Major Activities:

#### 100-N Area

- Complete 105N removal of siding on east side (October).
- Initiate 105N safe storage enclosure (SSE) design (October).
- Begin preparation of 105N C-Elevator Pit stabilization (November).
- Complete south and east side backfills surrounding 109N (November).
- Complete 109N south side small pourbacks (October).

### GFS/I Actions:

None for this reporting period.

## REGULATORY INTERACTIONS:

None for this reporting period.

RIVER CORRIDOR CLOSURE PROJECT  
FIELD REMEDIATION CLOSURE PROJECT

September 2009 Monthly Report



**SAFETY:**

Inception to Date: 32 first aids; 8 recordable-only

FYTD: 7 first aids; 4 recordable-only

Current Month: None

**ACCOMPLISHMENTS:**

**100-B/C Area**

- Completed verification sampling of all sites at 100-B/C.
- Continued site closure activities.

**100-D Area**

- Continued remediation of 118-D-2.
- Completed verification sampling for 100-D-15.
- Continued excavation and sorting for 128-D-2.
- Continued overburden and loadout of the 100-D-31 pipelines.

**100-H Area**

- Continued excavation and loadout at 126-H-2.
- Continued loadout at 128-H-1.
- Initiated excavation and sorting activities at 1607-H3.



Analyzing Archeological Material Retrieved from 600-109 Landfill

**100-K Area**

- Continued mobilization activities for 118-K-1 remediation (trailers, heavy equipment).

**100-IU-2 / 100-IU-6**

- Completed the archeological workscope at 600-109; continued to support the archeology work at 600-202.
- Awarded subcontract for 100-IU-2/6 remediation.
- Continued to work on the Project Startup Review for the remediation workscope.

**Engineering Design**

- Continued design for new 100-H Area waste sites.
- Continued 100-N Bioremediation electrical installation activities.
- Continued 118-K-1 Silo design.
- Briefed RL and Ecology on 100-N design.

**300 Area**

- Continued demolition of slabs and processing of concrete debris.



Anomaly Packaging of Drum Found Under 306 Building Slab

**Sample Design and Cleanup Verification**

- Obtained RL/regulator approval of 100-B-22:2, 100-B-28, 100-B-33, 100-D-15, 300-259, and 300-274 verification work instructions (WIs). Also obtained approval of 100-H-40, 100-H-44, 100-H-45, 100-H-47, and 100-H-48 confirmatory WIs.
- Transmitted the following verification WIs for RL/regulator Draft A review: 100-B-22:2, 100-B-33, 118-H-2, and UPR-300-17. Also transmitted 100-H-51:1 confirmatory WI for RL/regulator Draft A review.
- Provided RL with a path forward for the high priority chromium sites in the 100-D Area.

**ARRA - 618-10 Burial Ground**

- Completed surface geophysical delineation of vertical pipe units (VPUs).
- Conducted radiological characterization Project Startup Review activities.
- Continued confinement design criteria definition activities.
- Continued records research activities to supplement those records obtained during the design solution.
- Conducted cone penetrometer and inclinometer mockup.
- Conducted an emergency drill in support of project startup readiness.
- Prepared ARRA Phase 2 Technical Proposal for 618-11 non-intrusive characterization activities.

**ARRA - Other**

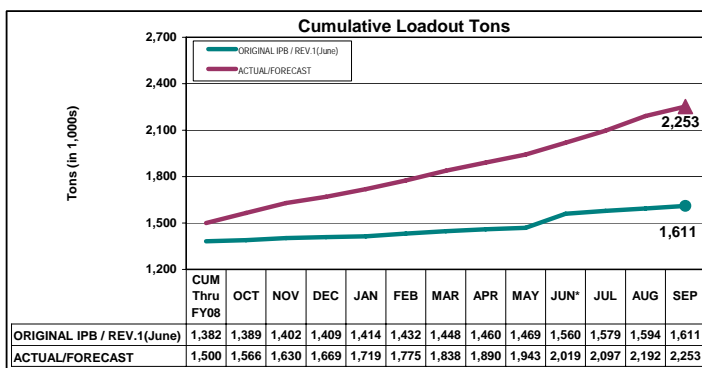
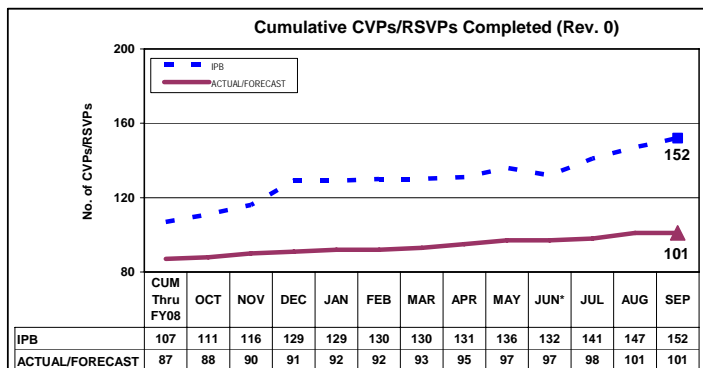
- Supported cost estimate preparation for ARRA Phase 2 Proposal Volume 2 to cover confirmatory sampling of orphan sites at 100-D, 100-K, and 100-IU-2/6.

# RIVER CORRIDOR CLOSURE PROJECT FIELD REMEDIATION CLOSURE PROJECT

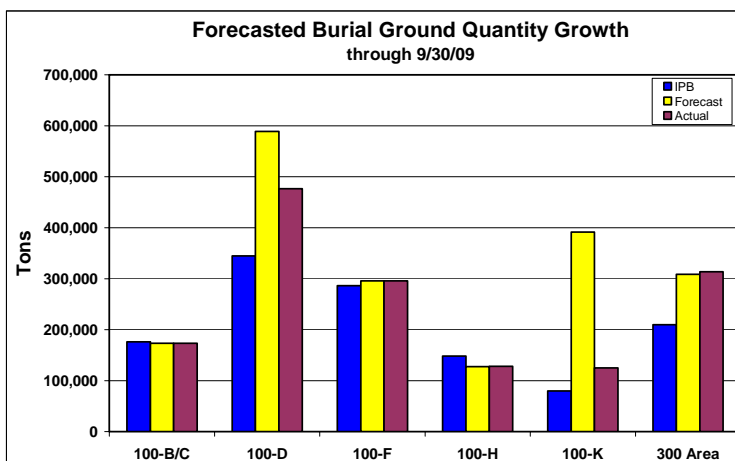
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## METRICS:



\*IPB Rev. 1 (Mod 30) implemented in June



## TPA MILESTONES:

To date, 12 Field Remediation Closure Project TPA milestones were accomplished on (1) or ahead (11) of schedule. Field Remediation FY09/10 TPA milestone activities include:

- **M-16-49 - Complete** Complete Interim Remedial Action for 100-F Area (due 12/31/08). *Completed on 12/1/08.*
- **M-16-61 - Complete** Complete Interim Remedial Actions for 618-2, 618-3, 618-5, 618-7 (12/31/08). *Completed on 12/29/08.*
- **M-16-94A - Complete** Initiate Interim Remedial Actions at 100-B-28 Waste Site (3/16/09). *Completed on 2/5/09.*
- **M-16-51-T01 - Complete** Complete Excavation of 1 of 5 100-H Burial Grounds (118-H-1,-2,-3,-4, or -5) (due 12/31/09). **Completed on 9/30/09 (118-H-5).**
- **M-16-64 - Due 9/30/10** Complete Interim Remedial Actions for 300-259, 303-M SA, 303-M UOF, UPR-300-46, UPR-300-17, and 618-1. *On schedule.*

## PERFORMANCE MILESTONES:

All Field Remediation Closure Project prior-year performance milestones were completed on or ahead of schedule. FR Closure Project FY09/10 performance milestones include:

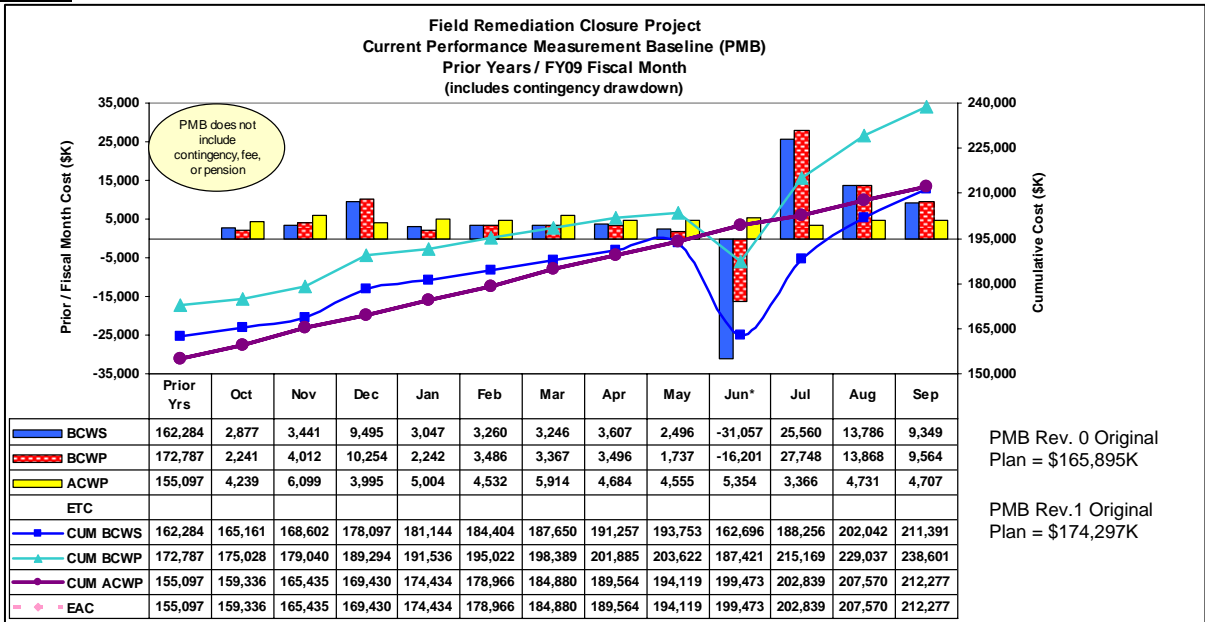
- 12/31/08 **Complete** Complete 100-D-32, 100-D-45, and 100-D-40 Loadout. *Completed on 7/30/08.*
- 3/31/09 **Complete** Complete 618-13 and 100-D-41 Loadout. *Completed on 2/2/09.*
- 9/30/09 **Complete** Complete 118-H-1 Loadout, 107N Loadout as Shown in CCN 144419, 1310N Above-Grade Demolition and Contaminated Berm Loadout, and 107N T-1 Tank Disposal. *118-H-1 loadout (for IPB planned quantity) completed on 1/28/09; 107N scope completed on 9/28/09.*
- 12/31/09 **Ahead** Complete Construction of ERDF Cells 7/8 and Complete 618-1 Loadout. *ERDF cells completed 5/7/09; 618-1 loadout completion scheduled for October.*
- 3/31/10 **To be renegotiated** Complete 116-KW-2 Loadout. *Most of 100-K Area scope was transitioned to CHPRC 10/1/08.*

# RIVER CORRIDOR CLOSURE PROJECT FIELD REMEDIATION CLOSURE PROJECT

September 2009 Monthly Report



## TARGET COST STATUS:



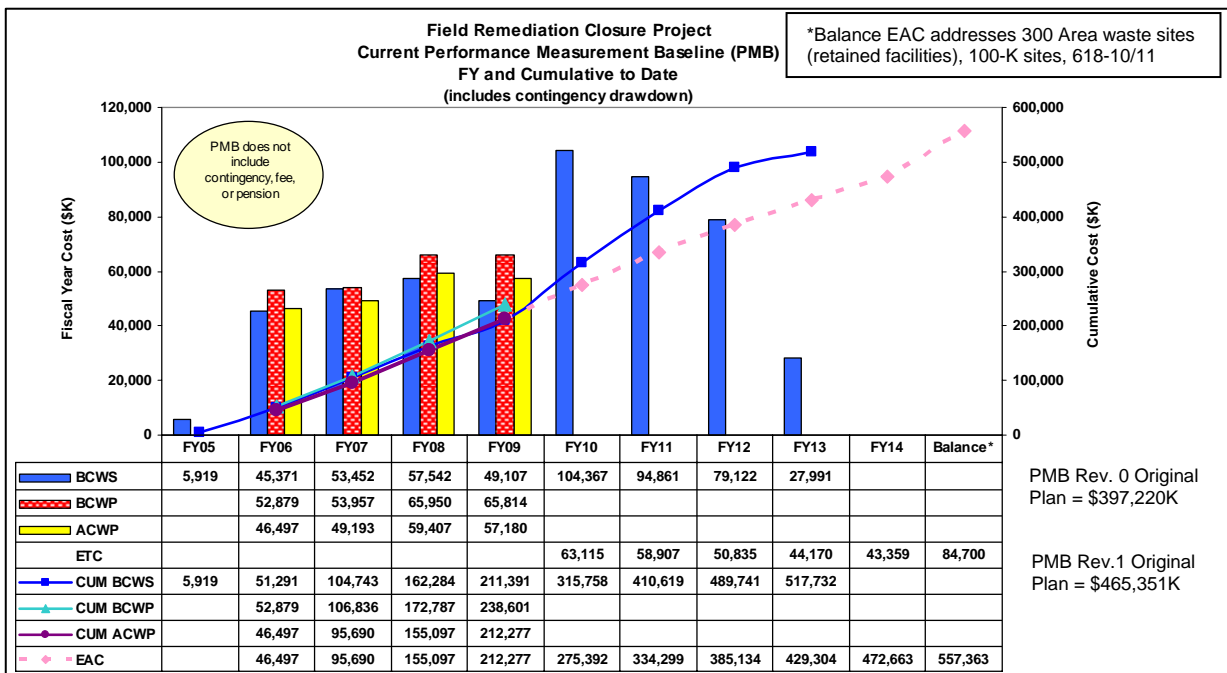
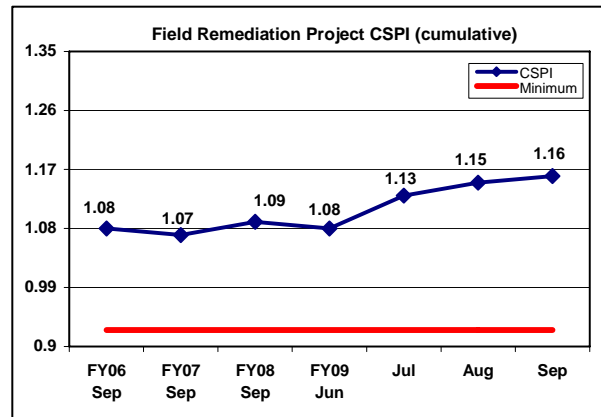
\*IPB Rev. 1 (Mod 30) implemented in June

### Schedule Variance: \$27,210K; 12.9%

- Variance is combination of accelerated work at 100-D and 100-H burial grounds and accelerated completion of 100-B-14 and 100-C-9. Partially offset by delays at 100-K burial grounds, 300 Area waste sites, and 618-10/11 Burial Grounds.

### Cost Variance: \$26,324K; 11.0%

- Favorable cost experienced to-date in 100-D, 100-F, 100-H, and 300 Area burial grounds remediation. Partially offset by 618-7 anomalies; increased costs for 118-K-1 readiness/startup, compensatory measures as well as slow production due to hard-to-detect radionuclides and anomalies, and interim shutdown costs; and by significant project support costs at all active dig sites.



**RIVER CORRIDOR CLOSURE PROJECT**  
**FIELD REMEDIATION CLOSURE PROJECT**

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**ISSUES:**

- **Issue:** Two areas of chromium contamination have been discovered outside of any previously defined waste site boundary. The first location is near the remediated 100-D-12 chromate transfer station and directly over a known chromate groundwater plume. The other location is near the southwest corner of the remediated 100-D-30 waste site (190-D building). Ecology has verbally indicated they would not approve any waste site closure package associated with potential chromate contamination until these areas have been evaluated and additional vadose characterization completed for the 100-D Area. Due to the limited progress, Ecology requested RL to install an interim cover over these two waste sites. The following additional high priority sites have been identified: 100-D-73, 100-D-76, 100-D-77, 100-D-78, and 100-D-100.  
**Status:** A meeting was held with RL on 7/29/09 to discuss the path forward for these sites. For 100-D-30, the RSVP will be completed and submitted for review and approval based on the verification sample data demonstrating the site is cleaned up. A new discovery site would be created for the southwest contaminated area that is not associated with 100-D-30. This new discovery site has been identified as 100-D-104. The other sites will be recommended for remediation. A letter was submitted on 9/30/09 to RL describing the recommended path forward.
- **Issue:** There is substantial evidence that the 128-H-2 and 128-H-3 waste sites that have been identified as burn pits were never used as burn pits or for other hazardous waste disposal. This is based upon several pieces of evidence including, but not limited to, historical documentation review, the locations have the character cuts for borrow soil and there is an immediately adjacent road fill, no significant anomalous geophysical features exist, no hazardous solid wastes or other evidence of burning or disposal have been located in site investigations, and analytical data collected from confirmatory sampling are not suggestive of hazardous waste disposal.  
**Status:** Efforts between RL and Ecology to resolve comments have resulted in an agreement to enter into dispute. Once the RSVPs are submitted to Ecology, it is expected that Ecology will reject the WSRF, thus elevating them to IAMIT. The 128-H-2/128-H-3 RSVP was informally transmitted to RL 7/9/09. The WSRF and RSVP were formally submitted to Ecology by RL on 7/23/09. Ecology formally rejected the WSRFs in a letter to RL dated 9/24/09. Two letters are being prepared: a letter for RL to send to Ecology transmitting response to comments; and a letter identifying the potential milestone impact should continual path forward delay continue. Sites 128-H-2 and 128-H-3 are included in TPA Milestone M-16-51 (due 12/31/11).
- **Issue:** The 132-H-3 Effluent Pumping Station is a confirmatory sampling site that was removed during D4 operations. Ecology requested RL to collect soil data. Because collection of soil samples would, in essence, remediate the site and be difficult and very costly, RL requested Ecology to consider evaluating the groundwater data. Ecology did not agree to using groundwater data to demonstrate protectiveness of the soil. At the 6/9/09 Brown Bag meeting, RL indicated dispute was the next step in the process. Ecology concurred.  
**Status:** The RSVP and WSRF were transmitted to RL 7/23/09. RL was to formally submit to Ecology in anticipation that Ecology would reject the WSRF and the matter would enter dispute. This site is included in TPA Milestone M-16-51 (due 12/31/11). RL indicated they are re-evaluating raising this site to IAMIT. A meeting was held with RL on 8/19/09. Based on discussion, it was determined this site would not be raised to IAMIT but would instead be sent to RTD (remove, treat, dispose). An RTD memo was issued on 9/8/09. **This issue is closed.**

**90-DAY LOOK AHEAD:**

**Major Activities:**

**100-B/C Area**

- Backfill all 100-B/C sites (November).
- Revegetate all 100-B/C sites (December).
- Continue the site closure process for all 100-B/C sites (October-January).

**100-D Area**

- Continue remediation activities for 118-D-2 (October-November).
- Complete excavation and sorting activities for 128-D-2 (October).
- Initiate loadout for 128-D-2 (October).
- Continue overburden and loadout of the 100-D-31 pipelines (continuous through FY10).

**100-H Area**

- Complete truck and pup loadout of 128-H-1 (October).
- Complete excavation and loadout of 126-H-2 Clearwells (November).
- Continue excavation and sorting at 1607-H1 and 1607-H3 septic systems (October).

**100-K Area**

- Complete 118-K-1 site mobilization (October).
- Begin 118-K-1 remediation (October).

**100-IU-2 / 100-IU-6**

- Begin archeological support work at 600-202 (October).
- Continue to work on the Project Startup Review to support remediation (October-November).
- Begin remediation (November).

**300 Area**

- Complete cleanup of 618-1 (October).
- Complete loadout of 306E/W slabs (October).

**RIVER CORRIDOR CLOSURE PROJECT  
FIELD REMEDIATION CLOSURE PROJECT**

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**90-DAY LOOK AHEAD:**

**Major Activities: (cont'd)**

**Engineering Design**

- Issue the revised 300 Area RDR/RAWP for inclusion of 618-10 (October).
- Begin 100-F failed confirmatory sites design (October).
- Begin 100-N remediation subcontract procurement (October).

**Sample Design and Cleanup Verification**

- Continue to support RL in addressing issues related to sites 128-H-2 and 128-H-3; if issues cannot be resolved, support RL in IAMIT (October-November).
- Continue preparation of confirmatory WIs for six 100-H Area sites (October).
- Transmit the confirmatory WI for 600-29, 100-K Construction Laydown Area, to RL/regulators for Draft A review (October).
- Begin preparation of a Request for Equitable Adjustment for the 100-N Area to bring 23 orphan sites into confirmatory sampling (October).

**ARRA - 618-10 Burial Ground**

- Initiate radiological characterization (October).
- Continue preparation of Basis of Interim Operation (BIO) and Emergency Preparedness Hazard Analysis (EPHA) (October-February).
- Continue confinement design criteria development activities (October).
- Conduct confinement design criteria value engineering (October).
- Prepare and issue value engineering report (October-November).
- Continue records research activities (October-February).

**ARRA - Other**

- Pending work authorization, begin preparation of confirmatory sample designs for orphan sites at 100-D, 100-K, and 100-IU-2/6 as proposed in the ARRA Phase 2 Proposal (October-December).

**GFS/I Actions:**

Activity	Planned Submittal Date to RL	Requested Return Date from RL
RL Review Draft A WSRF for 100-H-50	7/13/2009 (A)	10/15/2009
RL Review Draft A WI for 100-H-35	8/13/2009 (A)	10/8/2009
RL Sign Rev. 0 Closure Document for 100-D-31:6	8/18/2009 (A)	10/6/2009
RL Sign Rev. 0 Closure Document for 100-H-8	8/19/2009 (A)	10/8/2009
RL Review Draft A WI for 118-H-2	9/3/2009 (A)	10/17/2009
RL Review Draft A Closure Document for 100-H-36	9/15/2009 (A)	10/29/2009
RL Review Draft A WI for 100-H-51:1	9/21/2009 (A)	11/4/2009
RL Review Draft A WI for 118-H-6:4	10/1/2009 (A)	11/14/2009
RL Review Draft A Closure Document for 1607-D2:2	10/6/2009 (A)	11/18/2009
RL Review Draft A Closure Document for 118-D-5	10/6/2009 (A)	11/18/2009
RL Review Draft A Closure Document for 118-H-5	10/6/2009 (A)	11/20/2009
RL Sign Rev. 0 WI for 118-H-3	10/12/2009	10/15/2009
RL Sign Rev. 0 Closure Document for 100-D-31:5	10/12/2009	10/15/2009
RL Sign Rev. 0 Closure Document for 100-D-47	10/12/2009	10/15/2009
RL Sign Rev. 0 WI for 100-H-52	10/12/2009	10/15/2009
RL Sign Rev. 0 Closure Document for 100-D-61	10/12/2009	10/15/2009
RL Sign Rev. 0 WI for 116-D-5	10/12/2009	10/15/2009
RL Sign Rev. 0 WI for 100-H-41	10/12/2009	10/19/2009
RL Review Draft A WI for 118-H-4	10/12/2009	11/25/2009
RL Approve Rev. 0 of 100 Area RDR	10/12/2009	12/3/2009
RL Approve Rev. 0 of 100 Area SAP	10/12/2009	12/3/2009
RL Review Draft A Closure Document for 618-13	10/13/2009	11/26/2009
RL Review Draft A Closure Document for 118-DR-1	10/13/2009	11/26/2009
RL Review Draft A 100-H-51:3 WSRF	10/15/2009	11/28/2009

**RIVER CORRIDOR CLOSURE PROJECT**  
**FIELD REMEDIATION CLOSURE PROJECT**

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**GFS/I Actions: (cont'd)**

Activity	Planned Submittal Date to RL	Requested Return Date from RL
RL Review Draft A 100-H-51:4 WSRF	10/15/2009	11/28/2009
RL Sign Rev. 0 Closure Document for 100-D-32	10/19/2009	10/22/2009
RL Sign Rev. 0 WI for 116-DR-10	10/19/2009	10/22/2009
RL Sign Rev. 0 WI for 100-H-39	10/19/2009	10/22/2009
RL Sign Rev. 0 WI for 100-K-78	10/19/2009	10/22/2009
RL Sign Rev. 0 Closure Document for 100-H-28:6	10/19/2009	10/22/2009
RL Sign Rev. 0 WI for 100-H-46	10/19/2009	10/22/2009
RL Sign Rev. 0 WI for 100-H-49	10/19/2009	10/22/2009
RL Sign Rev. 0 WSRF for 100-H-53	10/19/2009	10/22/2009
RL Approve Backfill Concurrence for 100-B-27	10/19/2009	10/22/2009
RL Approve Backfill Concurrence for 100-B-25	10/19/2009	10/22/2009
RL Review Draft A WI for UPR-300-46	10/19/2009	12/2/2009
RL Sign Rev. 0 WI for UPR-300-17	10/20/2009	10/26/2009
RL Sign Rev. 0 Closure Document for 100-D-56:1	10/26/2009	10/29/2009
RL Sign Rev. 0 WI for 100-D-63	10/26/2009	10/29/2009
RL Sign Rev. 0 WI for 100-H-35	10/26/2009	10/29/2009
RL Approve Backfill Concurrence for 100-B-22:2	10/26/2009	10/30/2009
RL Approve Backfill Concurrence for 100-B-28	10/26/2009	10/30/2009
RL Review Draft A Closure Document for 100-D-56:2	10/26/2009	12/9/2009
RL Review Draft A WI for 100-H-37	10/28/2009	12/10/2009
RL Review Draft A Closure Document for 600-152	10/28/2009	12/11/2009
RL Review Draft A WI for 628-3	10/29/2009	12/12/2009
RL Review Draft A Closure Document for 116-DR-8	10/29/2009	12/12/2009
RL Approve Backfill Concurrence for 100-B-32	11/2/2009	11/5/2009
RL Approve Backfill Concurrence for 100-B-19	11/2/2009	11/5/2009
RL Approve Backfill Concurrence for 100-B-21:4	11/2/2009	11/5/2009
RL Review Draft A WI for 600-29	11/2/2009	12/16/2009
RL Review Draft A Closure Document for 100-D-29	11/3/2009	12/17/2009
RL Review Draft A Closure Document for UPR-100-D-5	11/5/2009	12/19/2009
RL Review Draft A Closure Document for 100-B-27	11/5/2009	12/28/2009
RL Sign Rev. 0 WSRF for 100-H-50	11/9/2009	11/16/2009
RL Sign Rev. 0 WI for 118-H-2	11/9/2009	11/16/2009
RL Review Draft A WI for 116-DR-5	11/9/2009	12/23/2009
RL Review Draft A WI for 118-D-6:4	11/9/2009	12/23/2009
RL Review Draft A Closure Document for 116-D-10	11/17/2009	12/31/2009
RL Review Draft A Closure Document for 100-B-22:2	11/17/2009	1/7/2010
RL Review Draft A Closure Document for 100-B-32	11/18/2009	1/11/2010
RL Review Draft A Closure Document for 100-B-19	11/18/2009	1/11/2010
RL Review Draft A Closure Document for 100-B-21:4	11/18/2009	1/11/2010
RL Review Draft A Closure Document for 100-H-28:7	11/23/2009	1/6/2010
RL Sign Rev. 0 WI for 100-H-51:1	12/1/2009	12/7/2009
RL Review Draft A WI for 118-D-3	12/1/2009	1/14/2010
RL Sign Rev. 0 Closure Document for 100-H-36	12/2/2009	12/8/2009
RL Review Draft A WI for 118-H-6:5	12/2/2009	1/15/2010
RL Review Draft A Closure Document for 100-B-28	12/3/2009	1/21/2010
RL Review Draft A Closure Document for 100-B-33	12/7/2009	1/25/2010
RL Sign Rev. 0 WI for 118-H-6:4	12/9/2009	12/15/2009
RL Review Draft A WI for 128-H-1	12/16/2009	1/29/2010

**RIVER CORRIDOR CLOSURE PROJECT**  
**FIELD REMEDIATION CLOSURE PROJECT**

September 2009 Monthly Report



**GFS/I Actions: (cont'd)**

Activity	Planned Submittal Date to RL	Requested Return Date from RL
RL Review Draft A WI for 118-H-1	12/16/2009	1/29/2010
RL Review Draft A Closure Document for 116-H-9	12/17/2009	1/30/2010
RL Sign Rev. 0 WI for 118-H-4	12/21/2009	12/29/2009
RL Review Draft A Closure Document for 100-B-31	12/21/2009	2/3/2010
RL Sign Rev. 0 Closure Document for 1607-D2:2	12/22/2009	12/30/2009
RL Sign Rev. 0 Closure Document for 118-D-5	12/22/2009	12/30/2009
RL Sign Rev. 0 Closure Document for 118-H-5	12/28/2009	1/7/2010
RL Review Draft A Work Instruction for 300-256	12/28/2009	2/10/2010
RL Review Draft A Work Instruction for 300-258	12/28/2009	2/10/2010
RL Review Draft A WI for 100-D-1	12/28/2009	2/10/2010
RL Review Draft A Closure Document for 100-B-25	12/29/2009	2/11/2010
RL Sign Rev. 0 100-H-51:3 WSRF	12/30/2009	1/7/2010
RL Sign Rev. 0 100-H-51:4 WSRF	12/30/2009	1/7/2010
RL Sign Rev. 0 Closure Document for 118-DR-1	12/30/2009	1/7/2010

**REGULATORY INTERACTIONS:**

Require regulator support to meet activities/due dates identified in above GFS/I table.

**RIVER CORRIDOR CLOSURE PROJECT  
WASTE OPERATIONS PROJECT**  
September 2009 Monthly Report



**SAFETY:**

Inception to Date: 24 first aids; 4 recordable-only; 1 lost restricted  
FYTD: 5 first aids; 1 recordable-only  
Current Month: None

**ACCOMPLISHMENTS:**

***Waste Operations (WO)***

- Received and disposed 108,326 tons of waste at ERDF during September bringing the total to 2,566,305 tons disposed since WCH assumed River Corridor cleanup responsibilities on 8/27/05. FY09 total = 864,797 tons.
- Disposed an average of 212 containers per day during September.
- Received found fuel containers.
- Received provisional approval for "Ready to Serve" (RTS) rates.

***ARRA - Super Cells 9/10 Construction / ERDF Upgrades***

- Excavated approximately 417,900 cubic yards (CYs) of the estimated 1,500,000 CY for Cell 9 as of 9/30/2009.
- Submitted Cell 9/10 design for approval.
- Bought-out treatment equipment.
- Received 1 other Hanford contractor (OHC) RTS water truck.
- Received 5 OHC RTS shuttle trucks.
- Received 15 of 150 new containers.

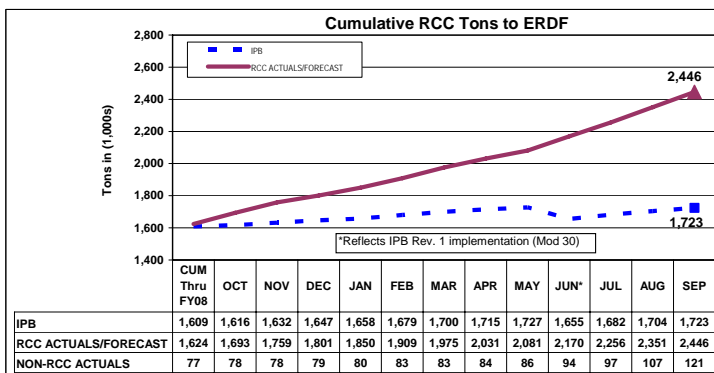


Void Fill Flood Grouting Operations at ERDF

***Other Hanford Contractors (OHC)***

- Disposed 3 trailers and other miscellaneous building equipment and 1 hose-in-hose line from WRPS (Tank Farms - 9/30/09 milestone date met).
- Transported and disposed 816 roll-on/roll-off (RO/RO) containers for CHPRC.
- Accepted and disposed 13 ion exchange modules, 3 immobilized debris monoliths (IDMs), and 8 IP-2s for CHPRC (all TPA milestone related).

**WASTE OPERATIONS METRICS:**



**Waste Received at ERDF  
(Data through September 30, 2009)**

Projects Shipped	Quantities in U.S. Tons		
	Month Ending	Fiscal Year 2009	Since Beginning of Contract
100 BC	17	47,052	288,266
100 D	25,742	374,665	771,234
100 F	0	0	406,254
100 H	46,614	221,291	225,788
100 K	0	2	174,293
100 N	0	12	16,042
300 Area	9,232	109,838	361,837
600 Area	0	0	9,168
RCC Other	0	69	309.2
RCC D4 - 100 Area	9,899	55,995	136,540.8
RCC D4 - 300 Area	3,360	12,523	55,925.8
OHC	13,463	43,406	120,647
<b>Total FR</b>	<b>81,605</b>	<b>752,859</b>	<b>2,252,882</b>
<b>Total D4</b>	<b>13,259</b>	<b>68,518</b>	<b>192,467</b>
<b>Total RCC</b>	<b>94,864</b>	<b>821,446</b>	<b>2,445,658</b>
<b>Total All Sources</b>	<b>108,326</b>	<b>864,852</b>	<b>2,566,305</b>
<b>Total Tons Since August 27, 2005 =</b>			<b>2,566,305</b>
<b>Grand Total of ERDF Tons Since July 1, 1996 =</b>			<b>8,618,482</b>

**PERFORMANCE MILESTONES:**

Waste Operations Project prior-year performance milestone was completed ahead of schedule. FY10 performance milestone includes:

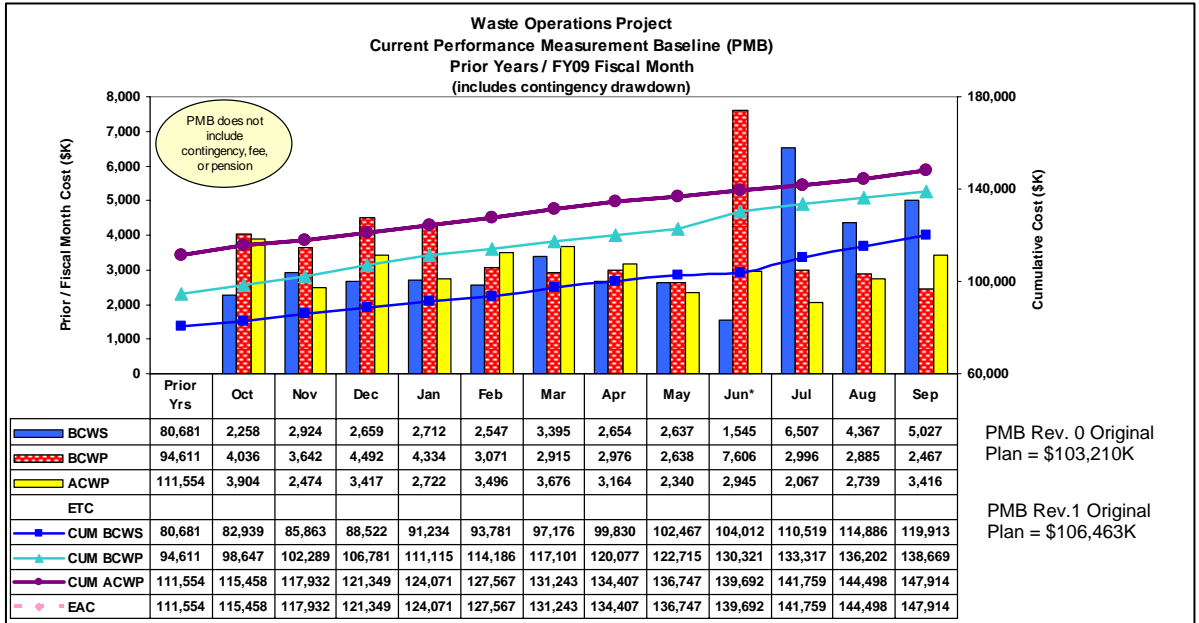
- 12/31/09 Ahead Complete Construction of ERDF Cells 7/8 and Complete 618-1 Loadout. ERDF cells completed 5/7/09; 618-1 loadout completion scheduled for October.

# RIVER CORRIDOR CLOSURE PROJECT WASTE OPERATIONS PROJECT

September 2009 Monthly Report



## TARGET COST STATUS:



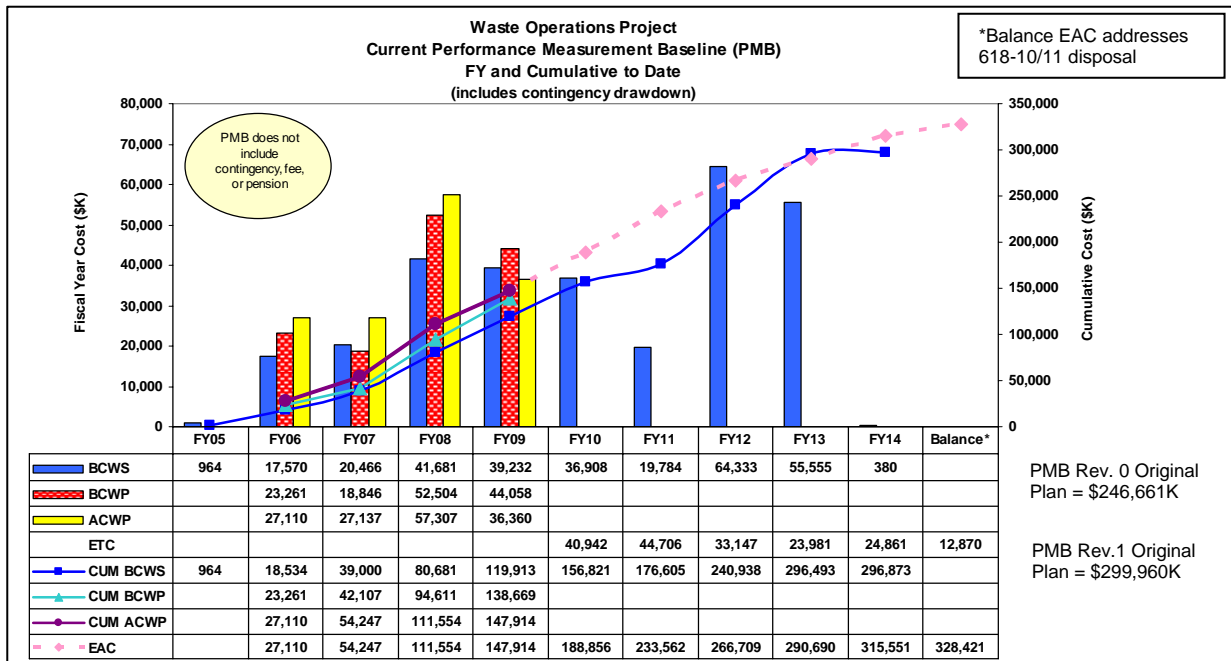
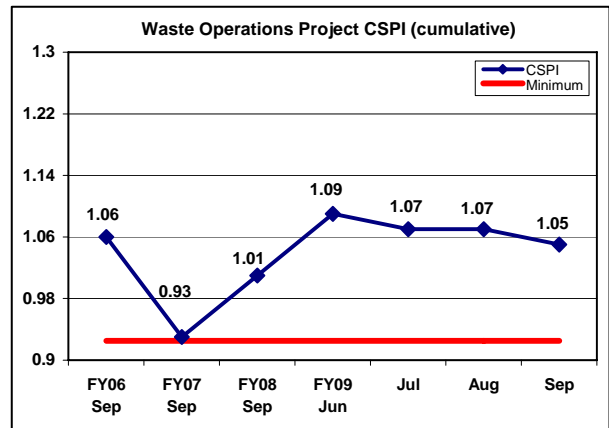
\*IPB Rev. 1 (Mod 30) implemented in June

### Schedule Variance: \$18,756K; 15.6%

- Design of Cells 7-10, procurement and construction of Cells 7/8, and support to accelerated work in FR and D4 Projects.

### Cost Variance: (\$9,245K); (6.7%)

- Cost overruns due to the purchase and leasing of additional equipment, transportation and disposal subcontractor mobilization, and increased project support costs. In addition, overruns in transport, treatment, and disposal of forecasted waste quantities while operational issues associated with compaction, landfill integrity, leachate systems, and disciplined operations were resolved.



RIVER CORRIDOR CLOSURE PROJECT  
WASTE OPERATIONS PROJECT  
September 2009 Monthly Report



**ISSUES:**

- **Issue:** OHC significantly higher waste volumes and inconsistent schedules.  
**Status:** Working with OHCs to complete near-term TPA milestones along with preparing for a RTS initiative to begin in FY10.

**90-DAY LOOK AHEAD:**

**Major Activities:**

***Waste Operations***

- Start RTS initiative (October).
- Submit ERDF Operations disposal subcontract extension for RL approval (November).

***ARRA - Super Cells 9/10 Construction / ERDF Upgrades***

- Evaluate Cells 9/10 proposal (November).
- Finish construction of Phase IV container transfer area (CTA) upgrades (October).
- Begin receiving 10 upgraded shuttle trucks (October).
- Receive 2 OHC RTS D-9 dozers (October).
- Receive 2 used dozers (October).
- Receive ramp shacks (October).
- Install new RTS scale (October).
- Finish paving road – back gate to Route 3 (November).
- Continue receiving new containers at 3 per day (December).

**GFS/I Actions:**

Activity	Planned Submittal Date to RL	Requested Return Date from RL
RL Provide Final Approval for RTS Rates	8/12/2009 (A)	10/22/2009

**REGULATORY INTERACTIONS:**

Items are addressed during Waste Operations and RL/regulator weekly interface meetings.

**RIVER CORRIDOR CLOSURE PROJECT**  
**END STATE AND FINAL CLOSURE PROJECT**  
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**SAFETY:**

There have been no first aid, recordable, restricted, or lost away incidents experienced within the End State and Final Closure Project since project inception (August 2005).

**ACCOMPLISHMENTS:**

***Risk Assessment***

- Remedial Investigation (RI) of Hanford Site Releases to the Columbia River.
  - Continued indicator contaminant screening Phase IIb fieldwork for the groundwater upwelling survey using the Trident Probe technology. A total of 67 of 240 Phase IIb samples were collected as of 9/23/09, with a focus on the 100-B/C and 300 Areas. Held briefing with CHPRC on 9/24/09 to provide status of completed and planned work and to facilitate integration of information supporting groundwater data needs identified in the RI/FS work plans.
  - Completed sturgeon collection and processing (30 fish). All tissue samples requested by USGS have been shipped and received.
  - Held job hazard analysis, completed work control reviews, and conducted equipment walkdowns to authorize fish collection for carp and sucker using electrofishing techniques. Fishing initiated in areas where river temperatures are within permit restrictions (< 64°F).
  - Continued walleye collection; 62 of 100 collected through 9/23/09.
- River Corridor Baseline Risk Assessment - Source and Groundwater Component.
  - Delivered Volume 2 (human health) of the *River Corridor Baseline Risk Assessment Report* (DOE/RL-2007-21; Draft B) for pre-concurrence review by RL, and briefed RL review team on report contents.
  - Conducted working sessions with WCH staff and subcontract team members, RL, and CHPRC to discuss and address initial RL pre-concurrence review comments on the Vol. 1 (ecological) risk assessment report which was delivered to RL on 9/9/09.

***Long-Term Stewardship***

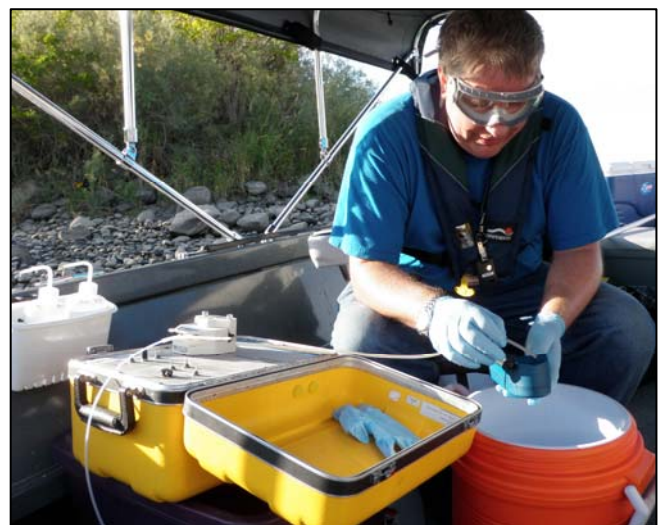
- Submitted the *100-FR-2 Operable Unit Remedial Action Report*, Rev. 0 (DOE/RL-2009-063) to RL on 9/24/09 for transmittal to EPA by 9/30/09.

***Groundwater Integration***

- Resolved EPA and Ecology comments on the 100 Area Integrated Work Plan and submitted a redline/strikeout version of the document to the agencies for final review. Continued document revision to Rev. 0.
- Continued Ecology comment resolution on the 100-D/H Addendum by conducting three additional workshops. Continued development of redline/strikeout document incorporating all changes.
- Completed technical editing and final formatting of the 100-K Addendum and SAP to Rev. 0.
- Provided the Draft A 100-B/C and 100-F/100-IU-2/100-IU-6 Addenda to EPA for review on 9/30/09.
- Completed the Draft A revision of the 300 Area Work Plan and provided it to RL for transmittal to EPA.
- Completed revising the 100-N Addendum to Decisional Draft A for RL review.

***Orphan Sites Evaluation (OSE)***

- Planning to issue the *100-N Area Orphan Sites Evaluation Report*, Rev. 0 (OSR-2009-0001) after all the MP-14 forms for the new waste sites have been signed by all parties. This is anticipated to be completed in October.
- Completed drafting the Inter-Areas Segment 1 orphan sites evaluation report; internal review is scheduled for October. The draft report is scheduled for RL and EPA review in November.
- Completed the field investigation phase for 300-FF-2 OSE area.
- Completed the historical review phase for the 400 Area and Inter-Areas Segment 2 orphan site evaluations.



Collection of Pore Water Samples Using the Trident Probe Technology

# RIVER CORRIDOR CLOSURE PROJECT END STATE AND FINAL CLOSURE PROJECT

September 2009 Monthly Report

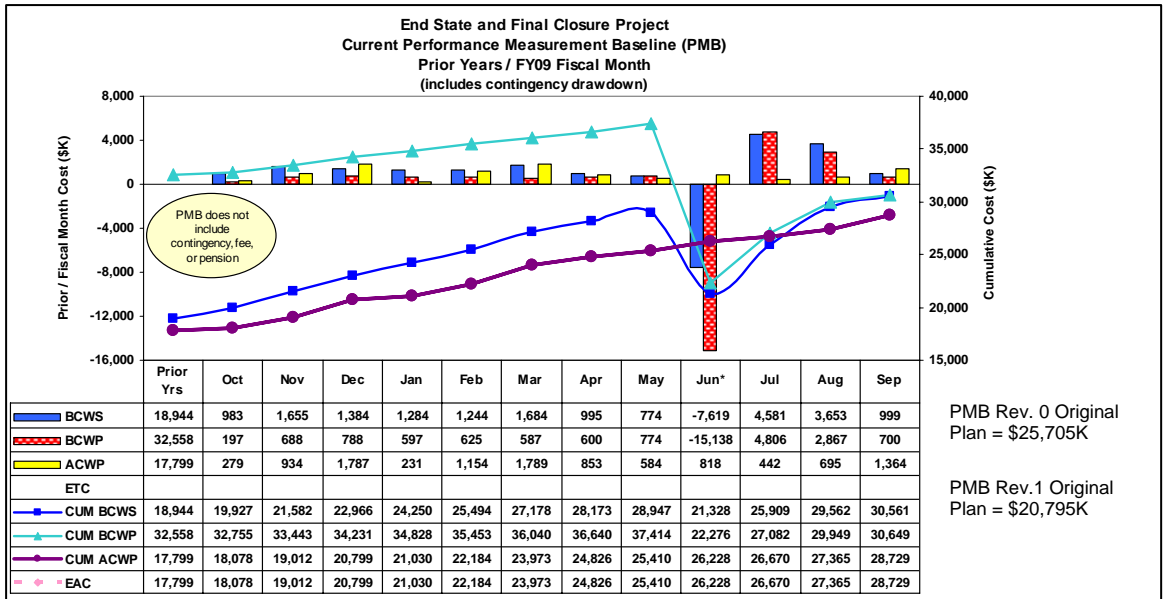


## TPA MILESTONES / PERFORMANCE MILESTONES:

To date, four End State and Final Closure Project TPA milestones were completed on (2) or ahead of schedule (2). There are no FY09/10 performance milestones for End State and Final Closure Project.

- **C-16-06C - Complete** Submit Schedule and Establish Commitments to Complete Remedial Investigation/Feasibility Studies, and Proposed Plans in Support of Final RODs for 100 Area (due TBD). *Completed 8/11/09.*
- **C-16-06D - Complete** Submit Schedule and Establish Commitments to Complete Remedial Investigation/Feasibility Studies, and Proposed Plans in Support of Final ROD for 300 Area (due TBD). *Completed 8/11/09.*

## TARGET COST STATUS:



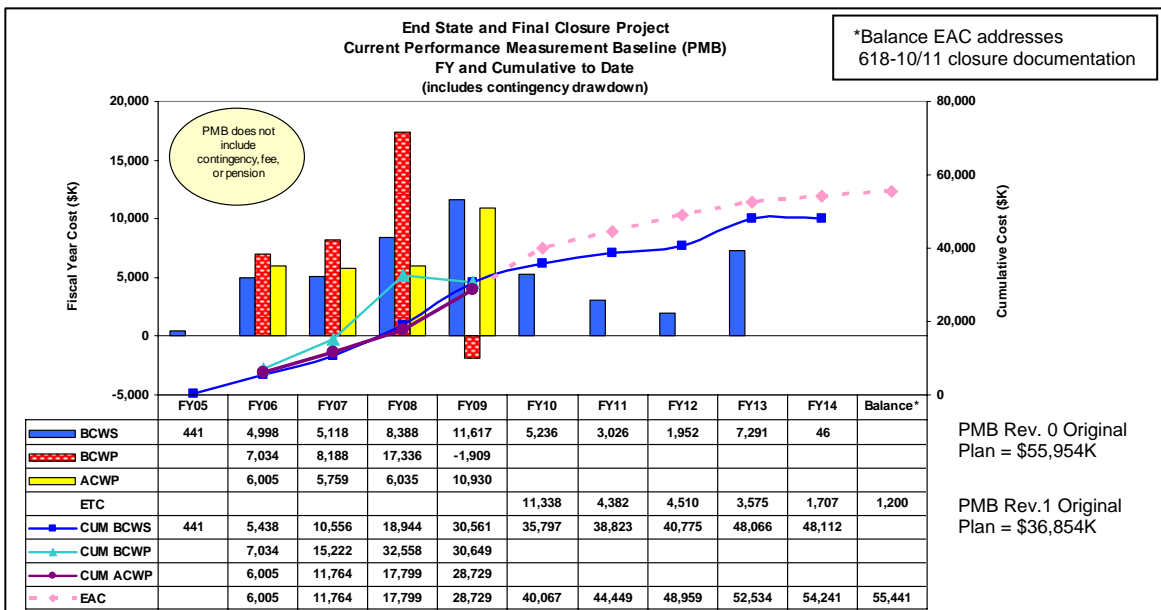
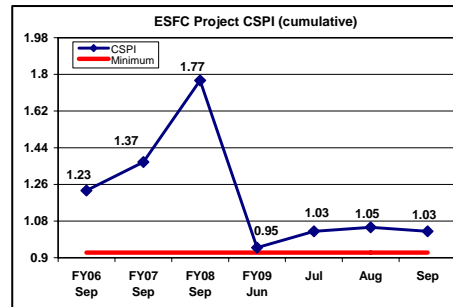
\*IPB Rev. 1 (Mod 30) implemented in June

### Schedule Variance: \$88K; 0.3%

- Acceleration of orphan site evaluations and the Inter-Areas flight surveys is offset by groundwater upwelling sample collection proceeding slower than anticipated due to water level spikes.

### Cost Variance: \$1,920K; 6.3%

- Efficiencies realized during the performance of the orphan sites evaluation and Inter-Areas flight surveys.
- Efficiencies realized during the preparation of the draft long-term stewardship report.
- Efficiencies realized during Inter-Areas sampling and evaluation.



**RIVER CORRIDOR CLOSURE PROJECT**  
**END STATE AND FINAL CLOSURE PROJECT**  
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**ISSUES:**

None for this reporting period.

**90-DAY LOOK AHEAD:**

**Major Activities:**

***Risk Assessment***

- Complete RL pre-concurrence review of the *River Corridor Baseline Risk Assessment Report* (DOE/RL-2007-21, Draft B) and address comments to prepare document for regulatory review (October-December).
- Finalize package to support RL letter to Ecology and EPA documenting use of RESRAD as an appropriate fate and transport model for chemical constituents in final decision making (October).
- Complete groundwater upwelling Phase IIb indicator contaminant screening and begin Phase III groundwater upwelling characterization activities using Trident Probe technology (October-December).
- Complete fish collection activities for walleye, sturgeon, sucker, and carp to support the remedial investigation for Hanford Site releases to the Columbia River (October-November).

***Groundwater Integration***

- Complete field planning at 100-K. Initiate spatial/temporal groundwater sample collection and new well/borehole drilling and sampling (October-November).
- Revise the 100 Area Integrated Work Plan to Rev. 0 (October).
- Revise the 100-D/H Addendum and SAP to Rev. 0 (October). Complete field planning at 100-D/H. Initiate spatial/temporal groundwater sample collection and new well/borehole drilling and sampling (October-November).
- Resolve regulatory agency comments and revise the 100-B/C Addendum, the 100-F/100-IU-2/100-IU-6 Addendum, and their respective SAPs to Rev. 0 (November). Initiate field planning for these decision units (October-December).
- Resolve regulatory agency comments and initiate revision of the 300 Area Work Plan to Rev. 0. Initiate field planning for the 300 Area decision unit (October-December).
- Complete systematic planning meetings with Ecology. Resolve RL comments and revise the 100-N Addendum and SAP to Draft A (October). Initiate Ecology review of the Draft A addendum and SAP (November).

***Orphan Sites Evaluation***

- Issue the *100-N Area Orphan Sites Evaluation Report*, Rev. 0 (OSR-2009-0001) (October).
- Initiate the gap analysis phase for the 300-FF-2 OU orphan sites evaluation (October-November).
- Complete the gap analysis phase and brief RL and EPA on the findings of Inter-Areas Segment 2 (October-November).
- Initiate field investigation phase for the 400 Area orphan site evaluation (October).
- Submit draft Inter-Areas Segment 1 report for RL and EPA review (November).

***Long-Term Stewardship***

- Work with MSA in regards to site-wide long-term stewardship issues and continue to develop strategy for transfer of Inter-Areas Segment 1 (October-December).

**GFS/I Actions:**

None for this reporting period.

**REGULATORY INTERACTIONS:**

None for this reporting period.

**RIVER CORRIDOR CLOSURE PROJECT**  
**MISSION/GENERAL SUPPORT**  
September 2009 Monthly Report



**SAFETY:**

Inception to Date: 8 first aids; 2 recordable-only

FYTD: 1 first aid

Current Month: None

**ACCOMPLISHMENTS:**

***Engineering Services***

- Completed Criticality Safety Program Annual Assessment.
- Completed Integrated Work Control Program (IWCP) and Job Hazard Analysis (JHA) training for planners, responsible managers, and supervisors.
- Completed development of guidance for critical resources for inclusion in JHA revision.
- Prepared and delivered new training courses for PAS-2-1.1 (IWCP) and PAS-2-1.4 (JHAs).
- Issued Tenet 3 Activities 1 and 2 for the Safety Ownership Program (SOP).
- Completed analysis and testing of the long haul shuttle truck operator shield.
- Completed the Conduct of Operations (ConOps) Management Assessment for April-June 2009.
- Completed Hanford Site Lockout/Tagout Program annual review.

***Safety, Health, and Quality***

- Conducted Integrated Safety Management System (ISMS) and QA Program annual review and declaration.
- Completed update of QA program description to meet Environmental Management QA program expectations.
- Conducted independent assessments of measuring and testing equipment and suspect/counterfeit items.
- Rolled out system upgrades of web-based Corrective Action Management (CAM) system.
- Completed corrective action plan for 327 building contamination events.
- Concurred with site-wide stop work procedure.
- Implemented changes to WCH Event Management Process.
- Eliminated the SH&Q fall protection standing order for WCH work; flowed down enhanced fall protection requirements to subcontractors.
- Conducted a Voluntary Protection Program (VPP) celebration to recognize WCH earning the DOE VPP Star Status.
- Completed activities developed to reduce the number of Radiological Work Permit violations.
- Developed corrective action plans to address the DOE Type B investigation report.
- Received approval from RL on heat stress corrective action plan.

***Project Integration***

- Continued negotiation process of existing Requests for Equitable Adjustment (REAs). The following were negotiated in September:
  - REA-025 Lockout/Tagout
  - REA-041R1 100-D-100 (Mod #130)
  - REA-045 100H Area Confirmatory Sites
  - REA-051 100-N 1112-NA Microwave Tower (Mod #A110)
  - REA-069 Implementation of RRD 08, Rev. 1 (Mod #143).
- Completed fiscal year-end closing activities.
- Provided support to DCAA audits (ARRA FY10 rates, ARRA FY11 rates, FY10 general support rate, and FY10 labor rates).

***Project Services***

- Received six contract modifications this month:
  - 123 – Contract True-up (a.k.a Mod #30).
  - 136 – Revised Clauses C.2.4, C.2.6, C.2.8 to remove operation, maintenance, permitting, and closure of 100-N Area 1904N Sewage Lagoon and associated utilities; added that remediation of 124-N-10, 100-N Sewage Lagoon, shall be initiated no earlier than June 2011.
  - 138 – Definitized REA-045, 100-H Confirmatory Sites.
  - 139 – Incremental funding of \$50,614,000 for ARRA activities.
  - 140 – Incremental funding of \$942,000.
  - 141 – Definitized REA-066, 100-B/C Design and Remediation for 100-B-31, 100-B-32, and 100-B-33.
- Completed Conflict of Interest internal audit. There were no findings.
- Submitted the Semi-Annual Report of Compensation to RL.
- Submitted the VETS-100 and EEO-100 reports.
- Reconfigured time recording system to incorporate HAMTC contractual rules; transitioned all HAMTC employees to electronic time recording.
- Submitted the Management Representation Letter to RL.

***Environmental Protection***

- Submitted milestone completion letter to RL for M-94-03 for demolition of various 300 Area buildings; RL submitted completion letter to the regulatory agencies. Milestone was completed one year ahead of schedule.
- Submitted draft milestone completion letter to RL on M-16-51-T01; completed excavation at 1 of 5 burial grounds in the 100-H Area.
- Submitted draft milestone change package to RL for M-16-47 (100-D Area) to remove scope of pipeline segment 100-D-31:12.
- Conducted the 100/300 Area Unit Manager Meeting for RL, EPA, and Ecology.
- Submitted completion letter to RL on declaring conformance to DOE Order 450.1A (Environmental Protection Program).

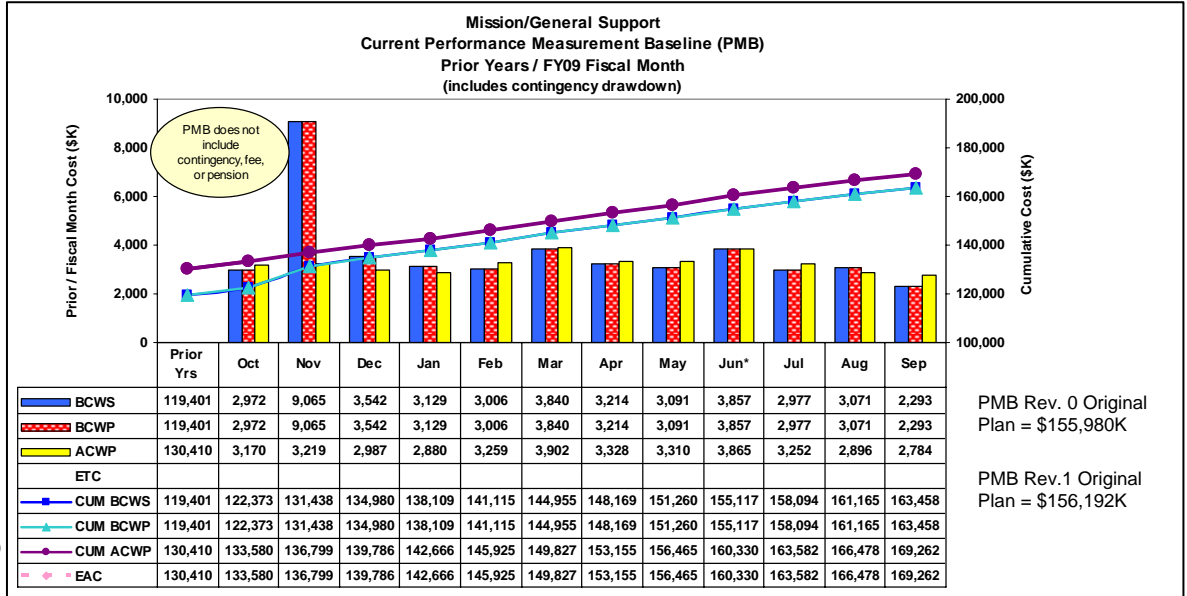
***ARRA - Support***

- Completed final negotiations for Phase 1 ARRA Technical and Cost proposal.
- Submitted ARRA Phase 2 Technical and Cost Proposal to RL.

RIVER CORRIDOR CLOSURE PROJECT  
MISSION/GENERAL SUPPORT  
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**TARGET COST STATUS:**



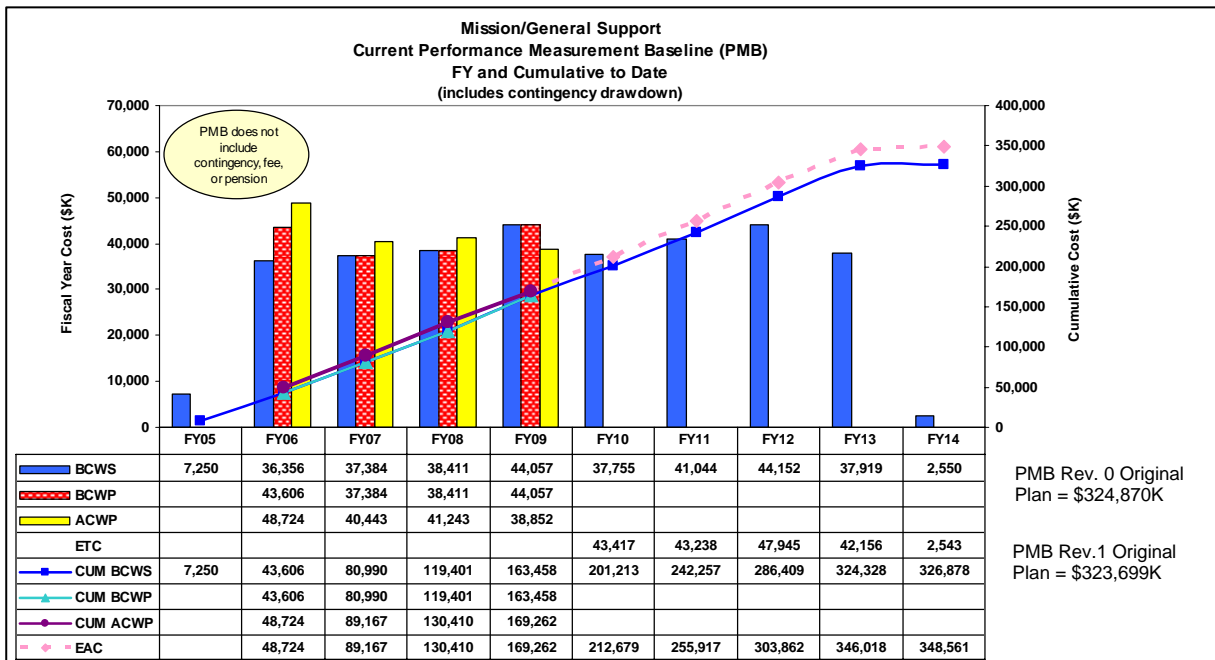
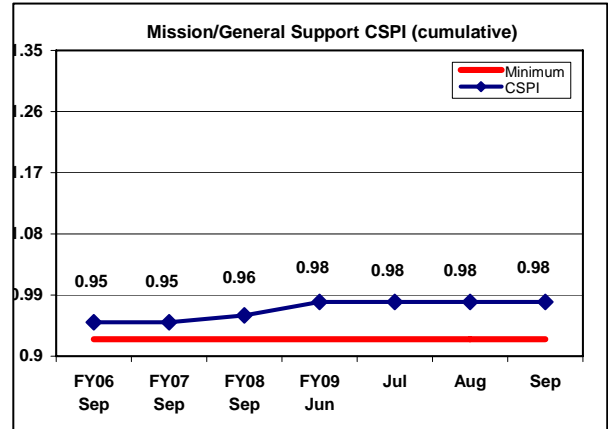
\*IPB Rev. 1 (Mod 30) implemented in June

**Schedule Variance: \$0K; 0%**

- N/A

**Cost Variance: (\$5,804K); (3.6%)**

- RadCon and Environmental Protection services greater than planned.
- Increased Employee Concerns Program, conduct of operations, and regulatory interface resources.



**RIVER CORRIDOR CLOSURE PROJECT**  
**MISSION/GENERAL SUPPORT**  
September 2009 Monthly Report



**ISSUES:**

None for this reporting period.

**90-DAY LOOK AHEAD:**

**Major Activities:**

***Engineering Services***

- Complete ConOps management assessment for July-September 2009 (October).
- Finalize training video on shuttle truck safe loading/unloading operations (October).
- Coordinate Defense Nuclear Facilities Safety Board (DNFSB) staff review of 324 building, 618-10 Burial Ground, and 118-K-1 Burial Ground (October).
- Prepare annual System Engineer Report for delivery to RL (October).
- Perform surveillance walkdowns of updated project electrical drawings (October).
- Continue ConOps Excellence/SOP initiative (October-December).
- Conduct assessment of implementation of 118-K-1 Burial Ground safety basis requirements and unresolved safety questions (USQ) process (November).

***Safety, Health, and Quality***

- Perform Type B action item mid-point effectiveness assessment (December-January).
- Participate in the development and review of the site-wide fall protection program (October-December).
- Develop and implement an integrated assessment schedule for SH&Q-related subject areas (October).
- Issue Rev. 14 of Exhibit G (October).
- Issue Safety Recognition procedure (October).
- Implement improvements to the Event Notification Tools and Process (October).
- Revise radiation protection program to incorporate new dosimetry system mandated by 10 CFR 835 revision (October).
- Complete remaining activities associated with the 327 building personnel contamination events (October).
- Analyze and develop corrective actions in response to the opportunities for improvement identified in DOE VPP report (October-December).
- Initiate Fall Safety Campaign to include observations, injury/illness severity reduction (SHIP initiative) and personal safety commitments through the SOP personal safety plans (October-January).

***Project Integration***

- Continue negotiation process of existing REAs (ongoing).
- Complete FY10/11 Contractor Performance Plan (CPP) (October).
- Submit 2015 Vision Roadmap for reducing the site cleanup footprint (October).
- Complete the Deductive Change Proposal for 100-K and the 300 Areas (December).

***Project Services***

- Provide ongoing support and responses to DCAA audits: FY2007 incurred costs; FY2008 incurred costs; MAAR 13 – Purchase Existence and Consumption; Billing System; Accounting System; IT System; P-Card process; Purchasing System, CAS 404 - Capitalization of Tangible Assets, and CAS 409 – Depreciation of Tangible Assets (ongoing).
- Complete impact analysis of new versions of DOE cyber security requirements: Program Security Plan, Version 1.2 and Program Cyber Security Plan, Version 1.2 (October).
- Complete Employee Benefit Value Study; submit analysis and/or corrective action plan (if required) to RL (October).
- Conduct annual benefits open enrollment (November).
- Submit the annual Incentive Compensation Plan funding request to RL for approval (November).
- Complete the Contract Administration training (November).
- Complete Payroll internal audit (December).
- Complete Document Management System replacement (December).

***Environmental Protection***

- Conduct 100/300 Area Unit Managers Meetings with EPA, Ecology, and RL: 10/8/09, 11/12/09, 12/10/09.
- Obtain RL and EPA approval of TPA milestone change package regarding several scope changes to M-16-64, M-16-74, and M-16-62 in the 300 Area (October).
- Obtain RL and Ecology approval of TPA milestone change package for modifying the scope of M-16-47 at 100-D Area (November).

***ARRA - Support***

- Begin negotiations for ARRA Phase 2 Technical and Cost Proposal (October).
- Reconcile the ARRA Phase 1 contract modification to the Phase 1 proposed performance measurement baseline (October).
- Submit proposed performance measurement baseline for the ARRA Phase 2 Technical and Cost proposal (October).
- Submit Disclosure Statement revision incorporating ARRA rate methodology and Waste Disposal Operations readiness-to-serve other Hanford contractors allocation methodology to RL for review and approval (October).
- Complete internal audit of ARRA internal controls (November).

**RIVER CORRIDOR CLOSURE PROJECT**  
**MISSION/GENERAL SUPPORT**  
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**90-DAY LOOK AHEAD: (CONT'D)**

**GFS/I Actions:**

Activity	Planned Submittal Date to RL	Requested Return Date from RL
<b>ENGINEERING SERVICES</b>		
Approve August Startup Notification Report (CCN 146364)	8/31/2009 (A)	9/30/2009
Approve Quarterly Startup Notification Report	11/30/2009	12/30/2009
<b>SAFETY</b>		
Approve Annual Update of QA Program Description	9/29/2009 (A)	10/29/2009
<b>PROJECT INTEGRATION</b>		
Issue Contract Mod for WCH-REA-005R1 DOE CRD O 151.1C Comprehensive Emergency Management System	5/5/2009 (A)	6/5/2009
Issue Contract Mod for WCH-REA-021 CRD O 205.1 Rev. 0 Energy Cyber Security Management (CCN 144557)	5/14/2009 (A)	6/14/2009
<b>PROJECT SERVICES</b>		
Provide Acceptance of Incurred Cost Report for FY07 (CCN 138627)	3/25/2008 (A)	12/31/2009
Provide Tenable Security Center Log Correlation Engine for Cyber Security CRD 205.1A Rev. 1	12/18/2008 (A)	3/28/2009
Approve FY10 Provisional Rates	7/14/2009 (A)	10/15/2009
Approve FY10 General Support Rate (CCN 145711)	7/27/2009 (A)	10/15/2009
Approve RCCC FY10 Labor Rates	8/6/2009 (A)	10/15/2009
Approve Disclosure Statement Revision Incorporating WO Readiness-to-Serve Allocation Methodology Rate (CCN 146349)	8/27/2009 (A)	10/31/2009
Pay WCH's Quarterly Interim Fee Payment Request (through September 2009)	10/9/2009	11/8/2009
Approve 2010 Workforce Restructuring Plan	10/30/2009	11/29/2009
Approve 2010 Incentive Compensation Plan	12/1/2009	12/30/2009
Extend/Initiate 2 <sup>nd</sup> Year Option Year Under Current Banking Contract (expired 6/30/09)	N/A	10/31/2009
<b>ARRA - SUPPORT</b>		
Provide Provisional Approval of WCH Disclosure Statement Rev. 3a (CCN 144370)	4/30/2009 (A)	5/13/2009
Provide Final Approval of WCH Disclosure Statement Rev. 3a (CCN 144370)	4/30/2009 (A)	7/28/2009
Provide Final Approval of FY09 Direct Cost Allocation Rates (CCN 144370)	7/21/2009 (A)	10/31/2009
Approve FY10 ARRA Rates (CCN 145739)	7/30/2009 (A)	10/15/2009
Approve Disclosure Statement Revision Incorporating ARRA	10/1/2009	11/1/2009
Approve Revised Disclosure Statement (ARRA rates)	10/12/2009	12/31/2009

# RIVER CORRIDOR PROJECT INTEGRATED PROJECT BASELINE WBS LEVEL 5 (COST ACCOUNT) SUMMARY COST PERFORMANCE REPORT (CPR)

WBS Levels 2, 5 DESCRIPTION		(\$ IN THOUSANDS)																		
		CURRENT PERIOD					INCEPTION-TO-DATE <small>*Note: SPI, CPI, CSPI Calculations Exclude Fee, Pension, Contingency, K Area, CLIN 3</small>										AT COMPLETION			
		BUDGETED COST OF		ACTUAL COST WORK PERF	VARIANCE		BUDGETED COST OF		* SPI	% CMLPT	ACTUAL COST WORK PERF	VARIANCE		* CPI	* CSPI	ORIGINAL BAC (IPB Rev.1)	CURRENT BAC	CURRENT BAC DELTA	EAC	VAC
		WORK SCHED	WORK PERF		SCHED	COST	WORK SCHED	WORK PERF				SCHED	COST							
<b>RCC Project Costs</b>																				
<b>RCC Project Target Costs</b>																				
<b>Performance Measurement Baseline</b>																				
<b>PMB (DB) Excluding K Area/CLIN 3</b>																				
<b>1.01 D4-D4 Closure</b>																				
1.01.01.01.07 D4-Buildings-100 B/C Area	0	0	0	0	0	0	0	0.0%	0	0	0			516	516	0	502	14		
1.01.01.01.08 D4-Remaining Facilities-100 B/C Ar	0	4	0	4	4	0	187	25.4%	33	187	154	5.73	5.73	736	736	0	554	182		
1.01.01.02.07 D4-Buildings-100 D Area	0	0	1	0	(1)	192	263	1.37	45.0%	69	71	194	3.79	2.58	586	586	0	388	198	
1.01.01.02.08 D4-100 Area Design-100 Area	0	0	8	0	(8)	0	0	0.0%	15	0	(15)	0.00	0.00	0	0	0	62	(62)		
1.01.01.02.10 D4-Retention Basins-100 D Area	0	22	0	22	22	0	844	82.4%	0	844	844			1,023	1,023	0	165	858		
1.01.01.03.07 D4-Buildings-100 F Area	0	0	4	0	(4)	0	1,098	99.4%	161	1,098	937	6.82	6.82	1,033	1,105	72	161	944		
1.01.01.04.07 D4-Buildings-100 H Area	0	0	0	0	0	0	0	0.0%	0	0	0			14	14	0	0	14		
1.01.01.04.10 D4-Retention Basins-100 H Area	0	79	2	79	77	0	79	9.4%	9	79	70	8.68	8.68	846	846	0	883	(37)		
1.01.01.05.07 D4-Buildings-100 K Area	0	0	0	0	0	681	704	1.03	100.0%	521	23	183	1.35	1.19	704	704	0	521	183	
1.01.01.05.08 D4-Remaining Facilities-100 K Area	0	0	0	0	0	0	0	100.0%	0	0	0	1.03	1.03	0	0	0	0	0		
1.01.01.05.10 D4-Retention Basins-100 K Area	0	0	0	0	0	0	20	100.0%	20	20	0	1.00	1.00	20	20	0	20	0		
1.01.01.06.07 D4-Buildings-100 N Area	8	58	394	49	(336)	6,631	14,977	2.26	82.7%	20,362	8,346	(5,385)	0.74	1.50	18,101	18,101	0	25,970	(7,870)	
1.01.01.06.08 D4-Remaining Facilities-100 N Area	0	244	133	244	111	1,166	4,909	4.21	74.4%	3,796	3,742	1,113	1.29	2.75	6,593	6,593	0	6,935	(342)	
1.01.01.06.10 D4-Retention Basins-100 N Area	0	0	0	0	0	0	1,985	300.00	87.7%	1,039	1,985	946	1.91	160.00	2,263	2,263	0	1,621	642	
1.01.01.07.07 D4-Buildings-100 A Remaining Sites	0	0	0	0	0	0	0	0.0%	0	0	0			606	606	0	606	0		
1.01.01.75.25 D4-Non-Site Specific Support-100 A	286	208	323	(78)	(115)	9,376	8,546	0.91	75.7%	9,486	(830)	(939)	0.90	0.91	11,291	11,291	0	16,888	(5,597)	
1.01.03.01.07 D4-Buildings-324 Building	741	104	378	(637)	(274)	18,732	10,874	0.58	45.4%	4,834	(7,858)	6,040	2.25	1.41	23,959	23,959	0	52,442	(28,483)	
1.01.03.01.08 D4-Remaining Facilities-324 Buildin	0	0	0	0	0	6	0	0.00	0.0%	0	(6)	0	0.00	173	173	0	1,232	(1,059)		
1.01.03.02.07 D4-Buildings-327 Building	498	112	1,068	(386)	(956)	11,918	10,422	0.87	78.2%	12,488	(1,496)	(2,066)	0.83	0.85	13,327	13,327	0	17,875	(4,548)	
1.01.03.75.25 D4-Non Site Specific Support 324/3	296	0	212	(296)	(212)	11,680	8,987	0.77	66.6%	8,348	(2,693)	640	1.08	0.92	13,485	13,485	0	26,461	(12,976)	
1.01.04.01.07 D4-Buildings-300 Area Sites	424	11	253	(412)	(242)	37,051	69,579	1.88	40.3%	17,915	32,529	51,664	3.88	2.88	172,812	172,812	0	105,316	67,496	
1.01.04.01.08 D4-Remaining Facilities-300 Area Si	0	0	0	0	0	67	136	2.04	32.0%	7	69	129	19.97	11.00	425	425	0	240	185	
1.01.04.01.10 D4-Retention Basins-300 Area Sites	0	0	0	0	0	0	0	0.0%	0	0	0			238	238	0	368	(130)		
1.01.04.75.25 D4-Non Site Specific Support-300 Ar	508	0	653	(508)	(653)	11,915	16,376	1.37	37.9%	19,653	4,461	(3,278)	0.83	1.10	43,209	43,209	0	34,828	8,381	
1.01.05.01.07 D4-Buildings 400 Area	0	0	0	0	0	0	124	1.9%	0	124	124			6,416	6,416	0	5,445	971		
1.01.05.75.25 D4-Non-Site Specific Support-400 A	0	0	20	0	(20)	0	39	1.9%	44	39	(5)	0.89	0.89	2,047	2,047	0	2,063	(16)		
1.01.06.01.11 D4-100 Area S&M	124	124	72	0	52	4,433	4,433	1.00	57.0%	2,507	0	1,927	1.77	1.38	7,784	7,784	0	3,713	4,070	
1.01.06.01.12 D4-200 Area S&M	17	17	0	0	17	614	614	1.00	48.1%	0	0	614	479.13	240.07	1,276	1,276	0	208	1,068	
1.01.06.01.13 D4-300 Area S&M	857	857	431	0	426	30,733	30,733	1.00	67.9%	14,419	0	16,314	2.13	1.57	45,265	45,265	0	22,466	22,799	
1.01.06.01.14 D4-400 Area S&M	14	14	0	0	14	505	505	1.00	54.8%	27	0	478	18.71	9.85	922	922	0	223	699	
1.01.06.01.15 D4-600 Area S&M	0	0	0	0	0	142	142	1.00	94.4%	51	0	90	2.77	1.88	150	150	0	79	71	
1.01.07.01.16 D4-100 Area Operate and Close Util	88	88	100	0	(12)	3,122	3,122	1.00	54.4%	4,904	0	(1,782)	0.64	0.82	5,737	5,737	0	8,361	(2,623)	
1.01.07.01.17 D4-200 Area Operate and Close Util	5	5	4	0	2	151	151	1.00	42.2%	110	0	40	1.36	1.18	356	356	0	304	52	
1.01.07.01.18 D4-300 Area Operate and Close Util	1,342	1,671	335	330	1,336	40,614	40,405	0.99	62.2%	17,852	(209)	22,553	2.26	1.63	57,922	64,953	7,031	34,977	29,976	
1.01.07.01.19 D4-400 Area Operate and Close Util	8	8	17	0	(8)	289	289	1.00	54.4%	42	0	247	6.89	3.94	531	531	0	467	64	
1.01.99.01.29 D4-Management and Support	1,046	935	2,141	(111)	(1,206)	45,593	72,367	1.59	51.3%	55,346	26,774	17,022	1.31	1.45	141,061	141,061	0	105,257	35,803	
<b>1.01 D4-D4 Closure Totals</b>	<b>6,264</b>	<b>4,563</b>	<b>6,548</b>	<b>(1,701)</b>	<b>(1,985)</b>	<b>235,611</b>	<b>302,909</b>	<b>1.29</b>	<b>51.5%</b>	<b>194,056</b>	<b>67,299</b>	<b>108,854</b>	<b>1.56</b>	<b>1.42</b>	<b>581,429</b>	<b>588,531</b>	<b>7,102</b>	<b>477,602</b>	<b>110,929</b>	
<b>1.02 ISS-Reactor ISS Closure</b>																				
1.02.01.01.21 ISS-Interim Safe Storage-100 B/C Ar	0	4	46	4	(42)	0	36	0.3%	140	36	(104)	0.26	0.26	12,611	12,611	0	3,283	9,328		
1.02.02.01.21 ISS-Interim Safe Storage-100 H Are	0	0	0	0	0	1,441	1,441	1.00	100.0%	1,072	0	369	1.34	1.17	1,441	1,441	0	1,072	369	
1.02.03.01.21 ISS-Interim Safe Storage-100 K Are	0	0	0	0	0	578	578	1.00	100.0%	263	0	316	2.20	1.60	578	578	0	263	316	
1.02.04.01.21 ISS-Interim Safe Storage-100 N Are	1,511	1,754	1,367	243	387	31,611	31,554	1.00	59.0%	32,473	(57)	(918)	0.97	0.98	53,493	53,493	0	58,160	(4,667)	

# RIVER CORRIDOR PROJECT INTEGRATED PROJECT BASELINE WBS LEVEL 5 (COST ACCOUNT) SUMMARY COST PERFORMANCE REPORT (CPR)

WBS Levels 2, 5 DESCRIPTION		(\$ IN THOUSANDS)																		
		CURRENT PERIOD					INCEPTION-TO-DATE <small>*Note: SPI, CPI, CSPI Calculations Exclude Fee, Pension, Contingency, K Area, CLIN 3</small>										AT COMPLETION			
		BUDGETED COST OF		ACTUAL COST WORK PERF	VARIANCE		BUDGETED COST OF		* SPI	% CPLMT	ACTUAL COST WORK PERF	VARIANCE		* CPI	* CSPI	ORIGINAL BAC (IPB Rev.1)	CURRENT BAC	CURRENT BAC DELTA	EAC	VAC
		WORK SCHED	WORK PERF		SCHED	COST	WORK SCHED	WORK PERF				SCHED	COST							
1.02.99.01.29	ISS-Management and Support	300	242	111	(58)	131	7,868	8,290	1.05	48.2%	3,735	422	4,555	2.22	1.64	17,208	17,208	0	13,137	4,071
<b>1.02</b>	<b>ISS-Reactor ISS Closure Totals</b>	<b>1,811</b>	<b>2,000</b>	<b>1,524</b>	<b>188</b>	<b>476</b>	<b>41,498</b>	<b>41,899</b>	<b>1.01</b>	<b>49.1%</b>	<b>37,682</b>	<b>401</b>	<b>4,217</b>	<b>1.11</b>	<b>1.06</b>	<b>85,331</b>	<b>85,331</b>	<b>0</b>	<b>75,915</b>	<b>9,416</b>
<b>1.03</b>	<b>Fld. Rem.-Field Remediation Closure</b>																			
1.03.01.01.03	Fld. Rem.-Conf Sampling Sites-100	0	0	0	0	0	683	683	1.00	100.0%	62	0	621	10.95	5.98	683	683	0	62	621
1.03.01.02.04	Fld. Rem.-Liquid Waste Sites-100-B	0	0	0	0	0	285	285	1.00	100.0%	39	0	247	7.36	4.18	285	285	0	39	247
1.03.01.02.05	Fld. Rem.-Waste Sites-100-BC-1	1,077	929	182	(148)	746	6,163	6,529	1.06	91.6%	5,970	366	559	1.09	1.08	4,022	7,124	3,102	6,634	491
1.03.01.02.06	Fld. Rem.-Burial Grounds-100-BC-1	0	0	0	0	0	7	7	1.00	100.0%	2	0	5	3.97	2.49	7	7	0	2	5
1.03.01.03.05	Fld. Rem.-Waste Sites-100-BC-2	31	0	21	(31)	(21)	1,187	1,769	1.49	19.5%	3,027	582	(1,258)	0.58	1.04	8,645	9,069	423	17,921	(8,853)
1.03.01.03.06	Fld. Rem.-Burial Grounds-100-BC-2	0	0	0	0	0	10,608	10,608	1.00	100.0%	9,783	0	825	1.08	1.04	10,423	10,608	185	9,783	825
1.03.01.04.01	Fld. Rem.-100 B/C Area Design	(65)	(61)	0	3	(61)	551	551	1.00	100.0%	465	0	86	1.18	1.09	519	551	31	465	86
1.03.01.75.25	Fld. Rem.-100 B/C Non Site Specific	0	11	34	11	(22)	3,380	10,707	3.17	77.2%	11,128	7,327	(421)	0.96	2.06	10,582	13,877	3,295	21,373	(7,496)
1.03.02.01.03	Fld. Rem.-Conf Sampling Sites-100	0	5	6	5	(1)	2,002	1,532	0.77	76.5%	1,022	(470)	509	1.50	1.13	2,002	2,002	0	1,203	799
1.03.02.02.04	Fld. Rem.-Liquid Waste Sites-100-D	0	9	20	9	(11)	0	2,559	95.0%	2,016	2,559	543	1.27	1.27	1,336	2,695	1,358	2,173	522	
1.03.02.02.05	Fld. Rem.-Waste Sites-100-DR-1	80	287	292	207	(5)	9,442	7,572	0.80	41.1%	4,321	(1,871)	3,250	1.75	1.28	16,946	18,440	1,494	10,736	7,704
1.03.02.02.06	Fld. Rem.-Burial Grounds-100-DR-1	2	0	(35)	(2)	35	1,266	6,127	4.84	91.9%	1,762	4,861	4,365	3.48	4.16	4,446	6,666	2,220	2,048	4,618
1.03.02.03.04	Fld. Rem.-Liquid Waste Sites-100-D	0	0	0	0	0	0	0	0.0%	0	0	0	0.00	0.00	192	192	0	101	91	
1.03.02.03.05	Fld. Rem.-Waste Sites-100-DR-2	0	0	11	0	(11)	5,004	3,486	0.70	57.7%	1,170	(1,518)	2,315	2.98	1.84	6,041	6,041	0	1,876	4,166
1.03.02.03.06	Fld. Rem.-Burial Grounds-100-DR-2	1	951	383	949	567	492	27,539	56.03	88.1%	10,547	27,048	16,993	2.61	29.32	27,511	31,245	3,734	13,032	18,213
1.03.02.04.01	Fld. Rem.-100 D Area Design	0	0	0	0	0	294	294	1.00	100.0%	370	0	(75)	0.80	0.90	122	294	172	370	(75)
1.03.02.75.25	Fld. Rem.-100 D Non Site Specific S	519	1,004	650	485	354	9,808	17,525	1.79	70.3%	19,333	7,717	(1,807)	0.91	1.35	22,267	24,922	2,655	29,182	(4,260)
1.03.03.01.03	Fld. Rem.-Conf Sampling Sites-100	0	0	0	0	0	962	962	1.00	100.0%	670	0	291	1.43	1.22	92	962	870	670	291
1.03.03.02.04	Fld. Rem.-Liquid Waste Sites.-100-F	0	0	0	0	0	3,846	3,846	1.00	100.0%	1,485	0	2,361	2.59	1.80	3,846	3,846	0	1,485	2,361
1.03.03.02.05	Fld. Rem.-Waste Sites.-100-FR-1	0	0	0	0	0	3,906	3,906	1.00	100.0%	2,411	0	1,495	1.62	1.31	3,491	3,906	414	2,411	1,495
1.03.03.03.05	Fld. Rem.-Waste Sites-100-FR-2	0	0	0	0	0	333	333	1.00	100.0%	257	0	76	1.30	1.15	200	333	133	257	76
1.03.03.03.06	Fld. Rem.-Burial Grounds-100-FR-2	0	0	0	0	0	20,830	20,830	1.00	100.0%	8,241	0	12,590	2.53	1.76	19,522	20,830	1,308	8,241	12,590
1.03.03.04.01	Fld. Rem.-100 F Area Design	0	0	0	0	0	13	13	1.00	100.0%	0	0	13	1.00	1.00	13	13	0	0	13
1.03.03.75.25	Fld. Rem.-100 F Non Site Specific S	0	0	7	0	(7)	10,446	10,446	1.00	100.0%	10,184	0	262	1.03	1.01	9,465	10,446	980	10,184	262
1.03.04.01.03	Fld. Rem.-Conf Sampling Sites-100	40	27	23	(13)	4	1,187	1,192	1.00	96.1%	1,127	5	65	1.06	1.03	1,047	1,240	193	2,488	(1,248)
1.03.04.02.04	Fld. Rem.-Liquid Waste Sites-100-H	34	44	6	10	38	170	154	0.91	90.6%	139	(16)	15	1.11	1.01	87	170	83	166	4
1.03.04.02.05	Fld. Rem.-Waste Sites-100-HR-1	639	535	207	(104)	327	1,877	2,294	1.22	58.7%	1,357	416	936	1.69	1.46	2,499	3,905	1,406	2,713	1,193
1.03.04.03.05	Fld. Rem.-Waste Sites-100-HR-2	275	448	195	173	254	545	759	1.39	45.4%	424	213	335	1.79	1.59	851	1,670	818	1,640	29
1.03.04.03.06	Fld. Rem.-Burial Grounds-100-HR-2	771	303	36	(468)	267	5,638	7,951	1.41	83.1%	4,274	2,313	3,677	1.86	1.64	8,812	9,572	760	5,113	4,459
1.03.04.04.01	Fld. Rem.-100 H Area Design	15	12	4	(3)	8	143	143	1.00	78.7%	193	0	(50)	0.74	0.87	57	182	125	231	(49)
1.03.04.75.25	Fld. Rem.-100 H Non Site Specific S	277	1,285	405	1,008	880	822	4,528	5.51	71.4%	6,956	3,706	(2,428)	0.65	3.08	3,945	6,341	2,395	9,611	(3,271)
1.03.05.01.03	Fld. Rem.-Conf Sampling Sites-100	0	4	1	4	3	0	133	53.0%	41	133	92	3.23	3.23	252	252	0	157	95	
1.03.05.02.04	Fld. Rem.-Liquid Waste Sites-100-K	0	0	0	0	0	2,734	2,734	1.00	100.0%	2,100	0	635	1.30	1.15	622	2,734	2,112	2,100	635
1.03.05.03.04	Fld. Rem.-Liquid Waste Sites-100-K	0	0	0	0	0	131	131	1.00	100.0%	5	0	127	28.58	14.79	131	131	0	5	127
1.03.05.03.05	Fld. Rem.-Waste Sites-100-KR-2	0	0	0	0	0	874	874	1.00	100.0%	494	0	380	1.77	1.38	874	874	0	494	380
1.03.05.03.06	Fld. Rem.-Burial Grounds-100-KR-2	198	0	3	(198)	(3)	12,427	8,115	0.65	65.0%	5,474	(4,312)	2,641	1.48	1.07	9,082	12,479	3,397	13,335	(856)
1.03.05.04.01	Fld. Rem.-100K Area Design	0	0	2	0	(2)	298	298	1.00	100.0%	39	0	259	7.69	4.34	174	298	124	56	242
1.03.05.75.25	Fld. Rem.-100K Non Site Specific S	180	0	613	(180)	(613)	7,629	8,752	1.15	58.8%	15,532	1,123	(6,780)	0.56	0.86	6,198	14,894	8,696	23,939	(9,045)
1.03.06.01.03	Fld. Rem.-Conf Sampling Sites-100	0	0	0	0	0	331	397	1.20	38.0%	80	66	317	4.95	3.08	1,043	1,043	0	915	129
1.03.06.02.05	Fld. Rem.-Waste Sites-100-NR-1	36	0	24	(36)	(24)	4,859	4,283	0.88	24.6%	3,823	(576)	460	1.12	1.00	17,403	17,403	0	13,910	3,492
1.03.06.03.01	Fld. Rem.-100 N Area Design	0	0	5	0	(5)	1,000	971	0.97	97.1%	454	(29)	517	2.14	1.55	1,000	1,000	0	567	433
1.03.06.75.25	Fld. Rem.-100N Non Site Specific S	131	31	47	(100)	(16)	2,574	2,449	0.95	26.1%	1,740	(125)	709	1.41	1.18	9,306	9,400	94	17,556	(8,156)
1.03.07.02.05	Fld. Rem.-Waste Sites.-100-IU-2	0	0	0	0	0	2	0	0.00	0.0%	0	(2)	0	0.00	0.00	3	3	0	261	(259)
1.03.07.03.05	Fld. Rem.-Waste Sites.-100-IU-6	293	0	729	(293)	(729)	949	709	0.75	5.5%	1,282	(240)	(573)	0.55	0.65	12,796	12,968	172	9,140	3,828
1.03.07.04.01	Fld. Rem.-100 Area RS Design	0	0	1	0	(1)	536	536	1.00	100.0%	433	0	102	1.24	1.12	536	536	0	433	102

# RIVER CORRIDOR PROJECT INTEGRATED PROJECT BASELINE WBS LEVEL 5 (COST ACCOUNT) SUMMARY COST PERFORMANCE REPORT (CPR)

WBS Levels 2, 5 DESCRIPTION		(\$ IN THOUSANDS)																		
		CURRENT PERIOD					INCEPTION-TO-DATE <small>*Note: SPI, CPI, CSPI Calculations Exclude Fee, Pension, Contingency, K Area, CLIN 3</small>										AT COMPLETION			
		BUDGETED COST OF		ACTUAL COST	VARIANCE		BUDGETED COST OF		* SPI	% CMLPT	ACTUAL COST WORK PERF	VARIANCE		* CPI	* CSPI	ORIGINAL BAC (IPB Rev.1)	CURRENT BAC	CURRENT BAC DELTA	EAC	VAC
		WORK SCHED	WORK PERF	WORK PERF	SCHED	COST	WORK SCHED	WORK PERF				SCHED	COST							
1.03.07.75.25 Fld. Rem.-100 Area RS Non Site Sp	382	1	9	(381)	(7)	3,567	458	0.13	4.2%	1,052	(3,109)	(593)	0.44	0.28	10,885	10,887	2	8,990	1,896	
1.03.12.01.03 Fld. Rem.-Conf Sampling Sites Area	0	0	0	0	0	428	281	0.66	22.5%	292	(147)	(11)	0.96	0.81	1,246	1,246	0	1,271	(24)	
1.03.12.02.05 Fld. Rem.-Waste Sites 300 Area	110	1,386	296	1,276	1,090	6,950	3,831	0.55	14.0%	2,706	(3,118)	1,125	1.42	0.98	27,388	27,407	20	27,253	154	
1.03.12.02.06 Fld. Rem.-Burial Grounds 300 Area	1,687	1,826	84	139	1,742	23,655	23,659	1.00	97.9%	19,891	3	3,768	1.19	1.09	16,823	24,167	7,343	20,669	3,498	
1.03.12.03.01 Fld. Rem.-300 Area RS Design	41	0	0	(41)	0	1,342	1,317	0.98	98.1%	825	(25)	492	1.60	1.29	1,342	1,342	0	856	486	
1.03.12.75.25 Fld. Rem.-300 Area Non Site Specifi	193	134	163	(59)	(28)	9,071	9,070	1.00	42.7%	27,713	(1)	(18,643)	0.33	0.66	20,699	21,264	566	45,960	(24,696)	
1.03.13.01.05 Fld. Rem.-Waste Sites 400 Area	0	0	0	0	0	0	0	0.00	0.0%	0	0	0	0	0	105	105	0	105	0	
1.03.13.75.25 Fld. Rem.-400 Area Non Site Specifi	0	0	0	0	0	0	0	0.00	0.0%	0	0	0	0	0	85	85	0	128	(43)	
1.03.14.01.22 Fld. Rem.-Design Solution 600 Area	2	127	1	125	126	2,171	2,156	0.99	99.3%	2,555	(15)	(398)	0.84	0.92	415	2,171	1,756	9,912	(7,740)	
1.03.15.01.01 Fld. Rem.-Misc. Restoration Design	0	0	0	0	0	269	134	0.50	50.0%	35	(134)	99	3.83	2.17	269	269	0	155	113	
1.03.15.01.05 Fld. Rem.-Restoration	127	0	0	(127)	0	2,273	53	0.02	0.9%	73	(2,220)	(20)	0.73	0.37	5,930	5,930	0	15,558	(9,628)	
1.03.15.75.25 Fld. Rem.-Misc Restoration Non Site	25	0	(4)	(25)	4	379	8	0.02	0.9%	7	(371)	1	1.16	0.59	952	952	0	3,362	(2,410)	
1.03.99.01.29 Fld. Rem.-Management and Support	275	266	285	(9)	(18)	12,121	12,121	1.00	46.1%	16,897	0	(4,776)	0.72	0.86	26,370	26,311	(59)	41,303	(14,993)	
<b>1.03 Fld. Rem.-Field Remediation Closur</b>	<b>7,378</b>	<b>9,564</b>	<b>4,707</b>	<b>2,186</b>	<b>4,857</b>	<b>198,462</b>	<b>238,601</b>	<b>1.20</b>	<b>60.5%</b>	<b>212,277</b>	<b>40,139</b>	<b>26,324</b>	<b>1.12</b>	<b>1.16</b>	<b>341,887</b>	<b>394,267</b>	<b>52,381</b>	<b>420,600</b>	<b>(26,332)</b>	
<b>1.04 Waste Ops-Waste Operations</b>																				
1.04.01.01.30 Waste Ops-Construction	1,407	(992)	(3)	(2,399)	(989)	25,564	25,385	0.99	98.9%	24,199	(179)	1,186	1.05	1.02	38,853	25,668	(13,185)	44,128	(18,460)	
1.04.01.02.31 Waste Ops-Disposal	891	1,895	1,912	1,004	(17)	40,598	46,884	1.15	50.2%	57,029	6,286	(10,146)	0.82	0.99	86,135	93,336	7,201	127,273	(33,937)	
1.04.01.02.32 Waste Ops-Waste Treatment	771	19	(32)	(753)	51	9,164	14,178	1.55	34.5%	7,205	5,014	6,972	1.97	1.76	40,633	41,089	456	14,317	26,772	
1.04.01.02.33 Waste Ops-PNNL Facilities Disposa	135	0	0	(135)	0	147	0	0.00	0.0%	0	(147)	0	0.00	0.00	4,345	4,124	(222)	4,124	0	
1.04.01.02.34 Waste Ops-PNNL Facilities Waste T	69	0	0	(69)	0	75	0	0.00	0.0%	0	(75)	0	0.00	0.00	2,215	2,215	0	2,215	0	
1.04.01.03.37 Waste Ops-Transportation Routes/	841	0	(5)	(841)	5	3,899	2,762	0.71	28.4%	3,483	(1,136)	(720)	0.79	0.75	9,729	9,729	0	5,283	4,446	
1.04.01.03.38 Waste Ops-Transportation	643	1,708	1,187	1,065	521	32,626	41,742	1.28	47.2%	44,739	9,116	(2,997)	0.93	1.11	84,456	88,379	3,923	89,808	(1,429)	
1.04.01.03.39 Waste Ops-PNNL Facilities Transpo	157	0	0	(157)	0	171	0	0.00	0.0%	0	(171)	0	0.00	0.00	5,039	4,728	(311)	4,616	112	
1.04.01.04.3B Waste Ops-Closure	0	0	0	0	0	678	528	0.78	36.6%	413	(150)	114	1.28	1.03	1,443	1,443	0	1,177	266	
1.04.99.01.29 Waste Ops-Management and Suppo	(252)	(252)	202	(454)		2,111	2,111	1.00	30.7%	6,480	0	(4,370)	0.33	0.66	7,823	6,873	(950)	18,054	(11,181)	
1.04.99.02.29 Waste Ops - Waste Services	88	88	153	0	(65)	4,174	5,079	1.22	46.2%	4,365	905	715	1.16	1.19	10,999	10,999	0	9,135	1,863	
<b>1.04 Waste Ops-Waste Operations Totals</b>	<b>4,749</b>	<b>2,467</b>	<b>3,416</b>	<b>(2,282)</b>	<b>(949)</b>	<b>119,206</b>	<b>138,669</b>	<b>1.16</b>	<b>48.1%</b>	<b>147,914</b>	<b>19,462</b>	<b>(9,245)</b>	<b>0.94</b>	<b>1.05</b>	<b>291,668</b>	<b>288,581</b>	<b>(3,087)</b>	<b>320,129</b>	<b>(31,548)</b>	
<b>1.05 ES/FC-End State/Final Closure</b>																				
1.05.01.01.40 ES/FC-Risk Assessment	746	494	1,120	(252)	(626)	19,658	19,060	0.97	72.2%	19,888	(598)	(829)	0.96	0.96	16,753	26,409	9,656	34,536	(8,127)	
1.05.01.01.41 ES/FC-Long-Term Stewardship	45	46	9	1	37	1,277	957	0.75	22.5%	310	(320)	647	3.08	1.92	4,245	4,245	0	3,038	1,208	
1.05.01.01.42 ES/FC-Orphan Site Evaluations	154	106	180	(48)	(73)	7,712	8,718	1.13	69.5%	6,609	1,007	2,109	1.32	1.22	11,196	12,535	1,340	13,072	(536)	
1.05.99.01.29 ES/FC-Management and Support	54	54	55	0	(1)	1,914	1,914	1.00	44.4%	1,922	0	(7)	1.00	1.00	4,309	4,314	5	4,200	114	
<b>1.05 ES/FC-End State/Final Closure Total</b>	<b>998</b>	<b>700</b>	<b>1,364</b>	<b>(299)</b>	<b>(664)</b>	<b>30,561</b>	<b>30,649</b>	<b>1.00</b>	<b>64.5%</b>	<b>28,729</b>	<b>88</b>	<b>1,920</b>	<b>1.07</b>	<b>1.03</b>	<b>36,503</b>	<b>47,504</b>	<b>11,001</b>	<b>54,845</b>	<b>(7,342)</b>	
<b>1.06 MS/GS-Mission Support/General Support</b>																				
1.06.01.01.01 MS/GS-Project Integration	571	571	618	0	(47)	24,176	24,176	1.00	50.4%	24,153	0	23	1.00	1.00	46,423	47,927	1,504	49,734	(1,807)	
1.06.02.01.01 MS/GS-Project Services	(53)	(53)	(222)	0	170	66,950	66,950	1.00	50.9%	59,372	0	7,578	1.13	1.06	134,767	131,469	(3,298)	123,124	8,345	
1.06.03.01.01 MS/GS-SHQ	782	782	1,312	0	(530)	32,448	32,448	1.00	50.6%	40,708	0	(8,260)	0.80	0.90	59,587	64,094	4,507	80,223	(16,129)	
1.06.04.01.01 MS/GS-Engineering	156	156	206	0	(49)	5,661	5,661	1.00	49.2%	5,713	0	(51)	0.99	1.00	11,377	11,495	118	13,296	(1,801)	
1.06.05.01.01 MS/GS-Regulatory and Environment	209	209	247	0	(37)	7,431	7,431	1.00	44.4%	9,367	0	(1,936)	0.79	0.90	16,720	16,731	11	20,215	(3,484)	
1.06.06.01.01 MS/GS-Office of the Project Gen. M	628	628	625	0	3	22,813	22,813	1.00	44.6%	26,203	0	(3,390)	0.87	0.94	50,846	51,183	337	58,222	(7,039)	
<b>1.06 MS/GS-Mission Support/General Su</b>	<b>2,293</b>	<b>2,293</b>	<b>2,784</b>	<b>0</b>	<b>(491)</b>	<b>159,479</b>	<b>159,479</b>	<b>1.00</b>	<b>49.4%</b>	<b>165,515</b>	<b>0</b>	<b>(6,036)</b>	<b>0.96</b>	<b>0.98</b>	<b>319,719</b>	<b>322,899</b>	<b>3,179</b>	<b>344,814</b>	<b>(21,915)</b>	
<b>1.10 Transition</b>																				
1.10.00.00.00 Transition	0	0	0	0	0	3,979	3,979	1.00	100.0%	3,747	0	232	1.06	1.03	3,979	3,979	0	3,747	232	
<b>1.10 Transition Totals</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,979</b>	<b>3,979</b>	<b>1.00</b>	<b>100.0%</b>	<b>3,747</b>	<b>0</b>	<b>232</b>	<b>1.06</b>	<b>1.03</b>	<b>3,979</b>	<b>3,979</b>	<b>0</b>	<b>3,747</b>	<b>232</b>	
<b>PMB (DB) Excluding K Area/CLIN 3</b>	<b>23,494</b>	<b>21,586</b>	<b>20,343</b>	<b>(1,908)</b>	<b>1,243</b>	<b>788,796</b>	<b>916,185</b>	<b>1.16</b>	<b>52.9%</b>	<b>789,920</b>	<b>127,389</b>	<b>126,265</b>	<b>1.16</b>	<b>1.16</b>	<b>1,660,516</b>	<b>1,731,092</b>	<b>70,576</b>	<b>1,697,652</b>	<b>33,440</b>	

# RIVER CORRIDOR PROJECT INTEGRATED PROJECT BASELINE WBS LEVEL 5 (COST ACCOUNT) SUMMARY COST PERFORMANCE REPORT (CPR)

WBS Levels 2, 5 DESCRIPTION		(\$ IN THOUSANDS)																		
		CURRENT PERIOD					INCEPTION-TO-DATE					AT COMPLETION								
		BUDGETED COST OF		ACTUAL COST WORK PERF	VARIANCE		BUDGETED COST OF		% SPI	% CMLPT	ACTUAL COST WORK PERF	VARIANCE		% CPI	% CSPI	ORIGINAL BAC (IPB Rev.1)	CURRENT BAC	CURRENT BAC DELTA	EAC	VAC
		WORK SCHED	WORK PERF		SCHED	COST	WORK SCHED	WORK PERF				SCHED	COST							
<b>PMB (DB) K Area/CLIN 3</b>																				
<b>1.01 D4-D4 Closure</b>																				
1.01.01.05.07 D4-Buildings-100 K Area	438	0	0	(438)	0	3,427	0	0.0%	0	(3,427)	0	26,533	26,533	0	25,993	540				
1.01.01.05.08 D4-Remaining Facilities-100 K Area	57	0	0	(57)	0	867	0	0.0%	0	(867)	0	3,843	3,843	0	3,843	0				
1.01.01.05.10 D4-Retention Basins-100 K Area	0	0	0	0	0	0	0	0.0%	0	0	0	13,350	13,350	0	13,350	0				
1.01.01.75.25 D4-Non-Site Specific Support-100 A	0	0	0	0	0	0	0	0.0%	0	0	0	10,424	10,424	0	0	10,424				
<b>1.01 D4-D4 Closure Totals</b>	<b>495</b>	<b>0</b>	<b>0</b>	<b>(495)</b>	<b>0</b>	<b>4,295</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>(4,295)</b>	<b>0</b>	<b>54,150</b>	<b>54,150</b>	<b>0</b>	<b>43,186</b>	<b>10,964</b>				
<b>1.02 ISS-Reactor ISS Closure</b>																				
1.02.03.01.21 ISS-Interim Safe Storage-100 K Are	948	0	0	(948)	0	13,842	0	0.0%	0	(13,842)	0	32,847	32,847	0	37,172	(4,325)				
<b>1.02 ISS-Reactor ISS Closure Totals</b>	<b>948</b>	<b>0</b>	<b>0</b>	<b>(948)</b>	<b>0</b>	<b>13,842</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>(13,842)</b>	<b>0</b>	<b>32,847</b>	<b>32,847</b>	<b>0</b>	<b>37,172</b>	<b>(4,325)</b>				
<b>1.03 Fld. Rem.-Field Remediation Closure</b>																				
1.03.05.01.03 Fld. Rem.-Conf Sampling Sites-100	0	0	0	0	0	0	0	0.0%	0	0	0	4,045	4,045	0	4,045	0				
1.03.05.02.05 Fld. Rem.-Waste Sites-100-KR-1	0	0	0	0	0	0	0	0.0%	0	0	0	252	252	0	252	0				
1.03.05.03.04 Fld. Rem.-Liquid Waste Sites-100-K	0	0	0	0	0	0	0	0.0%	0	0	0	16,808	16,808	0	9,716	7,093				
1.03.05.03.05 Fld. Rem.-Waste Sites-100-KR-2	3	0	0	(3)	0	26	0	0.0%	0	(26)	0	9,259	9,259	0	7,643	1,616				
1.03.05.04.01 Fld. Rem.-100K Area Design	0	0	0	0	0	199	0	0.0%	0	(199)	0	199	199	0	371	(172)				
1.03.05.75.25 Fld. Rem.-100K Non Site Specific S	0	0	0	0	0	0	0	0.0%	0	0	0	5,501	5,501	0	7,260	(1,759)				
1.03.14.01.01 Fld. Rem.-Design 600 Area	0	0	0	0	0	1,594	0	0.0%	0	(1,594)	0	1,594	1,594	0	1,852	(258)				
1.03.14.01.23 Fld. Rem.-Remediation 618-10	487	0	0	(487)	0	2,416	0	0.0%	0	(2,416)	0	17,586	17,586	0	20,068	(2,481)				
1.03.14.01.24 Fld. Rem.-Remediation 618-11	917	0	0	(917)	0	3,571	0	0.0%	0	(3,571)	0	30,553	30,553	0	36,574	(6,021)				
1.03.14.75.25 Fld. Rem.-600 Area Non Site Specifi	564	0	0	(564)	0	5,123	0	0.0%	0	(5,123)	0	37,668	37,668	0	43,437	(5,768)				
1.03.99.01.29 Fld. Rem.-Management and Support	0	0	0	0	0	0	0	0.0%	0	0	0	0	0	0	5,548	(5,548)				
<b>1.03 Fld. Rem.-Field Remediation Closure</b>	<b>1,970</b>	<b>0</b>	<b>0</b>	<b>(1,970)</b>	<b>0</b>	<b>12,928</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>(12,928)</b>	<b>0</b>	<b>123,465</b>	<b>123,465</b>	<b>0</b>	<b>136,764</b>	<b>(13,299)</b>				
<b>1.04 Waste Ops-Waste Operations</b>																				
1.04.01.02.35 Waste Ops-618-10/11Disposal	68	0	0	(68)	0	173	0	0.0%	0	(173)	0	2,025	2,025	0	2,025	0				
1.04.01.02.36 Waste Ops-618-10/11 Treatment	114	0	0	(114)	0	291	0	0.0%	0	(291)	0	3,415	3,415	0	3,415	0				
1.04.01.03.3A Waste Ops-618-10/11 Transportatio	95	0	0	(95)	0	243	0	0.0%	0	(243)	0	2,853	2,853	0	2,853	0				
<b>1.04 Waste Ops-Waste Operations Totals</b>	<b>278</b>	<b>0</b>	<b>0</b>	<b>(278)</b>	<b>0</b>	<b>706</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>(706)</b>	<b>0</b>	<b>8,292</b>	<b>8,292</b>	<b>0</b>	<b>8,292</b>	<b>0</b>				
<b>1.05 ES/FC-End State/Final Closure</b>																				
1.05.01.01.40 ES/FC-Risk Assessment	0	0	0	0	0	0	0	0.0%	0	0	0	0	257	257	420	(163)				
1.05.01.01.41 ES/FC-Long-Term Stewardship	0	0	0	0	0	0	0	0.0%	0	0	0	351	351	0	176	175				
1.05.01.01.42 ES/FC-Orphan Site Evaluations	0	0	0	0	0	0	0	0.0%	0	0	0	0	0	0	0	0				
1.05.99.01.29 ES/FC-Management and Support	0	0	0	0	0	0	0	0.0%	0	0	0	0	0	0	0	0				
<b>1.05 ES/FC-End State/Final Closure Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>351</b>	<b>608</b>	<b>257</b>	<b>596</b>	<b>12</b>				
<b>PMB (DB) K Area/CLIN 3</b>	<b>3,690</b>	<b>0</b>	<b>0</b>	<b>(3,690)</b>	<b>0</b>	<b>31,772</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>(31,772)</b>	<b>0</b>	<b>219,105</b>	<b>219,362</b>	<b>257</b>	<b>226,011</b>	<b>(6,649)</b>				
<b>Performance Measurement Baseline (UB)</b>																				
<b>1.UB RCC Undistributed Budget</b>																				
1.UB RCC Undistributed Budget	0	0	0	0	0	0	0	0.0%	0	0	0	0	0	0	0	0				
<b>1.UB RCC Undistributed Budget Totals</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>				
<b>Performance Measurement Baseline (UB)</b>																				
<b>Performance Measurement Baseline</b>	<b>27,184</b>	<b>21,586</b>	<b>20,343</b>	<b>(5,598)</b>	<b>1,243</b>	<b>820,568</b>	<b>916,185</b>	<b>1.16</b>	<b>47.0%</b>	<b>789,920</b>	<b>95,617</b>	<b>126,265</b>	<b>1.16</b>	<b>1.16</b>	<b>1,879,620</b>	<b>1,950,454</b>	<b>70,834</b>	<b>1,923,662</b>	<b>26,792</b>	
<b>Contingency</b>																				
<b>Contingency</b>																				
<b>Contingency</b>																				

## RIVER CORRIDOR PROJECT INTEGRATED PROJECT BASELINE WBS LEVEL 5 (COST ACCOUNT) SUMMARY COST PERFORMANCE REPORT (CPR)

WBS Levels 2, 5 DESCRIPTION		(\$ IN THOUSANDS)																			
		CURRENT PERIOD					INCEPTION-TO-DATE <small>*Note: SPI, CPI, CSPI Calculations Exclude Fee, Pension, Contingency, K Area, CLIN 3</small>										AT COMPLETION				
		BUDGETED COST OF		ACTUAL COST	VARIANCE		BUDGETED COST OF		* SPI	% CmplT	ACTUAL COST	VARIANCE		* CPI	* CSPI	ORIGINAL BAC (IPB Rev.1)	CURRENT BAC	CURRENT BAC DELTA	EAC	VAC	
WORK SCHED	WORK PERF	WORK PERF	SCHED	COST	WORK SCHED	WORK PERF	SCHED	COST													
Contingency - RCC		0	0	0	0	0	0	0	0.0%	0	0	0									
<b>Contingency Totals</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0</b>	<b>0</b>									
Contingency		0	0	0	0	0	0	0	0.0%	0	0	0									
Contingency		0	0	0	0	0	0	0	0.0%	0	0	0									
<b>RCC Project Target Costs</b>		<b>27,184</b>	<b>21,586</b>	<b>20,343</b>	<b>(5,598)</b>	<b>1,243</b>	<b>820,568</b>	<b>916,185</b>	<b>1.16</b>	<b>42.6%</b>	<b>789,920</b>	<b>95,617</b>	<b>126,265</b>	<b>1.16</b>	<b>1.16</b>	<b>2,158,850</b>	<b>2,148,930</b>	<b>(9,921)</b>	<b>1,923,662</b>	<b>225,267</b>	
<b>RCC Project Non-Target Costs</b>																					
<b>RCC Project Non-Target Costs</b>																					
<b>RCC Project Non-Target Costs Pension</b>																					
Pension		247	247	563	0	(315)	12,319	12,319	31.9%	16,490	0	(4,171)									
<b>Pension Totals</b>		<b>247</b>	<b>247</b>	<b>563</b>	<b>0</b>	<b>(315)</b>	<b>12,319</b>	<b>12,319</b>	<b>31.9%</b>	<b>16,490</b>	<b>0</b>	<b>(4,171)</b>									
<b>WCH Performance Fee</b>																					
WCH Performance Fee - RCC		402	402	3,183	0	(2,781)	45,325	45,325	31.0%	41,366	0	3,959									
<b>WCH Performance Fee Totals</b>		<b>402</b>	<b>402</b>	<b>3,183</b>	<b>0</b>	<b>(2,781)</b>	<b>45,325</b>	<b>45,325</b>	<b>31.0%</b>	<b>41,366</b>	<b>0</b>	<b>3,959</b>									
<b>RCC Project Non-Target Costs</b>		<b>649</b>	<b>649</b>	<b>3,746</b>	<b>0</b>	<b>(3,097)</b>	<b>57,644</b>	<b>57,644</b>	<b>31.2%</b>	<b>57,856</b>	<b>0</b>	<b>(213)</b>									
<b>RCC Project Non-Target Costs</b>		<b>649</b>	<b>649</b>	<b>3,746</b>	<b>0</b>	<b>(3,097)</b>	<b>57,644</b>	<b>57,644</b>	<b>31.2%</b>	<b>57,856</b>	<b>0</b>	<b>(213)</b>									
<b>RCC Project Non-Target Costs</b>		<b>649</b>	<b>649</b>	<b>3,746</b>	<b>0</b>	<b>(3,097)</b>	<b>57,644</b>	<b>57,644</b>	<b>31.2%</b>	<b>57,856</b>	<b>0</b>	<b>(213)</b>									
<b>RCC Project Costs</b>		<b>27,833</b>	<b>22,235</b>	<b>24,089</b>	<b>(5,598)</b>	<b>(1,854)</b>	<b>878,211</b>	<b>973,829</b>	<b>1.16</b>	<b>41.7%</b>	<b>847,776</b>	<b>95,617</b>	<b>126,052</b>	<b>1.16</b>	<b>1.16</b>	<b>2,346,588</b>	<b>2,333,730</b>	<b>(12,858)</b>	<b>2,114,000</b>	<b>219,730</b>	
<b>Total RCC Contract Costs</b>		<b>27,833</b>	<b>22,235</b>	<b>24,089</b>	<b>(5,598)</b>	<b>(1,854)</b>	<b>878,211</b>	<b>973,829</b>	<b>1.16</b>	<b>41.7%</b>	<b>847,776</b>	<b>95,617</b>	<b>126,052</b>	<b>1.16</b>	<b>1.16</b>	<b>2,346,588</b>	<b>2,333,730</b>	<b>(12,858)</b>	<b>2,114,000</b>	<b>219,730</b>	