

Environmental Management Performance Report

February 2003



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Department of Energy
Richland Operations Office



Bechtel Hanford, Inc.
Environmental Restoration Contractor

Data as of month-end February

**ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT
ENVIRONMENTAL RESTORATION
FEBRUARY 2003**

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INTRODUCTION

The monthly Environmental Restoration (ER) Environmental Management Performance Report (EMPR) consists of two sections: Section A - Executive Summary, and Section B – River Corridor Restoration. All data are current as of February 28, 2003, unless otherwise noted.

Section A – Executive Summary. The Executive Summary begins with a description of notable accomplishments for the current reporting month that are considered to have made the greatest contribution toward safe, timely, and cost-effective Hanford Site cleanup. Safety statistics are also included. Major commitments are summarized that encompass Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones. Fiscal year 2003 (FY03) performance objectives and status are provided. Fiscal year-to-date ER Project cost and schedule variance analysis is summarized. Issues that require management and/or regulator attention are addressed along with resolution status. The Key Integration Activities section highlights site activities that cross contractor boundaries, supporting overall Hanford Site goals. The Executive Summary ends with a listing of major upcoming planned key events (90-day look ahead).

Section B – River Corridor Restoration. This section contains more detailed Environmental Restoration Contractor (ERC) monthly activity information and performance status for the three Project Baseline Summaries (PBSs) within the River Corridor Restoration outcome. These three PBSs consist of RC01 - 100 Area River Corridor Cleanup, RC02 - 300 Area Cleanup, and RC05 - River Corridor Waste Management.

PBS SC01 - Near-Term Stewardship is structured within the Site Stewardship outcome. Due to the minimal FY03 workscope identified for this PBS, SC01 performance data is included in the Executive Summary cost/schedule overview.

Performance Incentive and Safety information in this report is identified with a green, yellow, or red text box used as an indicator of the overall status. Green indicates work or issue resolution is satisfactory and generally meets or exceeds requirements, yellow indicates that significant improvement is required, and red indicates unsatisfactory conditions that require immediate corrective actions.

Section A - Executive Summary



Demolition at 117-DR Building



Overburden Removal and Excavation of Plume Material Adjacent to 116-N-1 Trench



Shearing Steel Pipe at 116-KW-3 Retention Basin



Demolition of Concrete Encasement and Pipeline in 100 B/C Area

Data as of month-end February

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SECTION A – EXECUTIVE SUMMARY

Data as of month-end February

NOTABLE ACCOMPLISHMENTS

River Corridor Restoration:

Backfill activities were completed near the F Reactor fuel storage basin (FSB) to support the Reactor Interim Safe Storage (ISS) Project. Backfill was also initiated at two other waste sites in the 100 F Area.

The civil survey for the 120-N sites in the 100 N Area was completed. The survey plat was submitted to the Benton County Planning Department and the Washington State Department of Ecology (Ecology) as part of the Resource Conservation and Recovery Act (RCRA) closure activities.

Construction was initiated on the firewater loop upgrade near the interim waste staging area at the Environmental Restoration Disposal Facility (ERDF).

Mobilization for F Reactor safe storage enclosure (SSE) roof installation began on February 24.

Demolition activities were initiated on February 26 at the 117-DR filter building.

A white paper was completed on the C Reactor five-year surveillance results. The white paper recommends the current surveillance frequency be extended from a five-year cycle to a ten-year cycle.

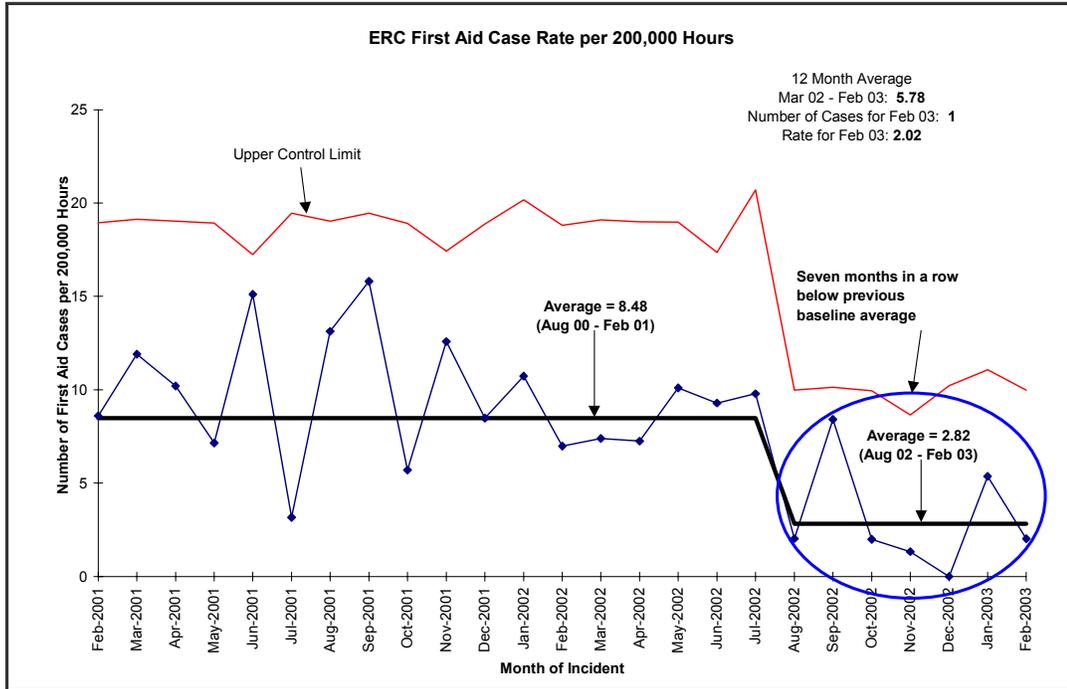
259 kilograms (570 pounds) of noncontaminated lead were shipped from the 1714-N facility for recycling.

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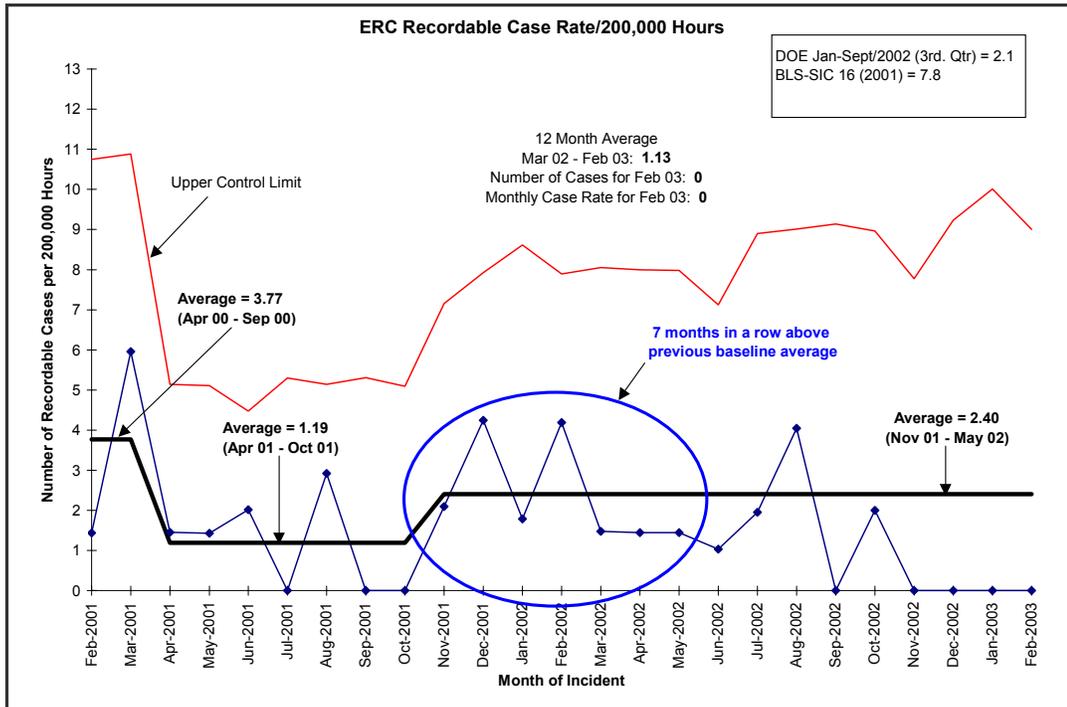
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SAFETY



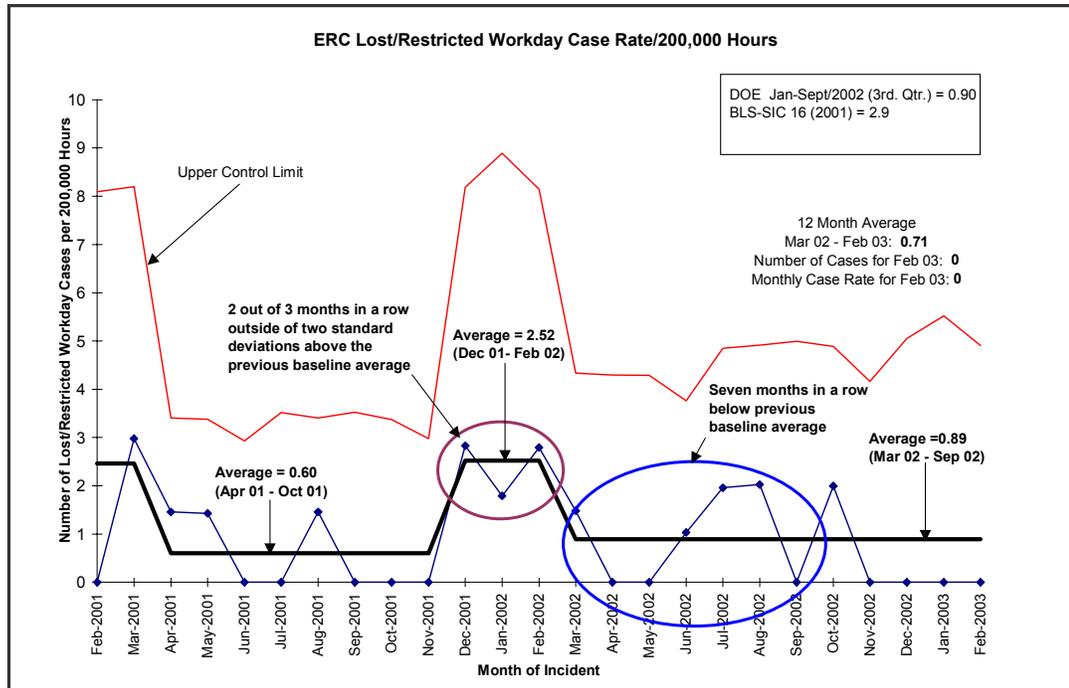
NOTE: The baseline average has been revised from 8.48 to 2.82, based on 7 consecutive months below the previous baseline average.



NOTE: This data has been stable since November 2001. Positive trend at 6 consecutive months below the baseline average.

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SAFETY (continued)



NOTE: This data has been stable since March 2002. Positive trend at 4 consecutive months below the baseline average.

Safety:

The following actions have or are being taken by the Environmental Restoration Contractor (ERC) to focus on safety improvements:

- Activities continued to obtain Voluntary Protection Program (VPP) Star Status recognition.
- BHI continues to hold Senior ALARA meetings and Project Safety committee meetings monthly with Labor Stewards.
- The Subcontract Technical Representatives (STR) implemented the use of a "Performance Review Form". This form is used to document subcontractor performance, safety, and contractual compliance.
- All incidents are thoroughly investigated. Emphasis is placed on causes and corrective actions that can be implemented where applicable. Timely discussions take place in safety meetings and plan of the day (POD) meetings. When investigations are complete, the results are sent to the Area Superintendents, Field Superintendents, and Supervisors for review at the PODs.
- Bechtel Hanford, Inc. (BHI) continues to look for trends and consults with Corporate and other Bechtel National, Inc. (BNI) contacts for ways to enhance performance.
- The ERC continues to work closely with the Hanford Atomic Metal Trades Council (HAMTC) Safety Representative to resolve safety issues as they arise.

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SAFETY (continued)

- BHI continues to hold Incident Review Board meetings to ensure that the ERC has correctly and thoroughly determined the cause of the incidents and identified correctable opportunities. In addition, lessons learned based on these incidents are used to prevent future occurrences.
- Senior management continues to meet with small groups of employees in the field to discuss safety and personal commitment to safety.
- The Field Support General Superintendent and Project Safety Manager continue to visit different projects on a regular basis, meet with project team members, and conduct safety walkarounds. Area Superintendents for Decontamination and Decommissioning projects and Surveillance and Maintenance projects are included in these walkarounds. The walkaround participants visit projects other than those for which they are responsible. Information from the walkarounds is shared with the team and other Field Support personnel. Safety conditions requiring corrective action are assigned to project personnel or support personnel for action and are tracked to closure. This activity is ongoing.
- The ERC has invited "Brown Bag Speakers" to join employees during lunchtime at the 3350 George Washington Way facility to discuss various safety and health topics.
- Field Support personnel conduct weekly safety inspections. Findings are entered into a database and tracked to closure. Daily inspections are also performed and logged in the project's daily logbook or daily report.
- The Alliance has revised the Sharing for Success goals to reduce lost time accidents and OSHA recordable rates for FY03.

	FYTD	Current Period (01/20/03- 02/16/03)	Current Period Comments
First Aid	5	1	Strain
OSHA Recordable	1	0	
Restricted Workday Case	1	0	
Lost Workday Case	0	0	

Status:

- As of February 28, 2003, the ERC had worked approximately 587,000 hours without a lost workday case. The last incident occurred on June 4, 2002 and became lost time on September 4, 2002. Continuous employee involvement is being fostered by the Integrated Environmental Safety and Health Management System (ISMS), VPP, labor alliance programs, e-mail communications, and one-on-one meetings with employees.
- The ERC experienced one first aid incident in February. There were no OSHA recordables, lost or restricted workday incidents.
- The STRs continue to focus on oversight of subcontractor's safety program implementation and performance.

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SAFETY (continued)

- The ERC VPP self-assessment report was completed and approved by BHI management and distributed to Project Managers, VPP representatives, and to members of the VPP Leadership Council. The VPP Steering Committee completed the VPP Safety Improvement Plan (SIP) which was reviewed and approved by BHI management. The SIP will be distributed in early March. Additionally, work continues on the VPP Star Recognition application.
- The ERC continues to work diligently to provide accurate and timely reporting of occurrences, and to conduct followup fact-finding critiques to identify problems and improve safe field operations.
- The ERC established a committee to begin activities for the upcoming Safety Expo ERC booth.

Integrated Environmental Safety and Health Management System (ISMS):

BHI conducted independent assessments of:

- ERC Chemical Management Program
- Radiological air emissions monitoring at various ERC locations
- ERC Corrective Action Management Process
- Severn Trent Laboratories - Richland

The task team formed to evaluate five 4th-quarter CY02 events completed their investigation/analysis and issued a report (BHI-01677) in February. The team's focus was to evaluate the events to determine if the ERC's ISMS, specifically related to work planning and execution, was followed and/or required strengthening. The task team concluded that a programmatic breakdown in the ISMS did not occur. However, the report offered five recommendations to strengthen the ERC process including:

- Promote the codification of the Observational Approach throughout the ERC
- Improvements to daily work planning
- Expand the Safety and Hygiene project representation
- Improve supervision/leadership tools
- Improve hazard communication and controls

An action plan to disposition these recommendations will be developed.

BHI continued toward full implementation of the ISMS Performance Objectives, Measures, and Indicators Process that BHI communicated to RL in document BHI-01550. Data collection continues. New data for the month of February for all metrics requiring monthly reporting were provided to RL by letter.

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PROCESS IMPROVEMENTS

Six Sigma:

- The Core Team members have held weekly meetings to monitor programmatic developments and identify/validate hard and soft dollar saving for CY03.
- A Black Belt, Nuclear Safety Yellow Belt, and Qualtec Master Black Belt met with the RL Authorization Basis (AB) Six Sigma team to support their PIP study on Safety Bases. In the meeting, progress was reviewed, and a path forward was developed for data collection.
- Held monthly project reviews with upper management from RL and BHI reporting on achievements and path forward.
- Held bi-weekly Steering Committee meetings to monitor progress and develop program guidance.
- Continued the development of a top-down approach for Six Sigma. Twelve major business processes were defined. Significant progress was made in developing process flows at Level 2 and Level 3 for contract startup, implementation, and detailed design.

Process Improvement Projects (PIPs) and status include:

- The Remedial Action and Waste Disposal (RAW) Container Handling PIP team continued analysis of constraints and barriers that result in less than targeted daily production. A Failure Modes & Effects Analysis (FMEA) was prepared as a basis for focusing in on the high priority causes. The team is currently evaluating possible actions for improvement and the costs associated with implementation.
- Continued with the development of a business case for processing anomalous waste at the burial grounds.
- The Requirements of Radiological Survey of Trucks Leaving from Low-Risk Sites PIP execution plan was drafted. Given the PIP objectives, this PIP will follow Design for Six Sigma (DFSS) methods. PIP execution began in February.
- Business cases for two potential PIPs, one on the Employee Job Task Analysis (EJTA) process and the other on Total Hazard Management are in development.

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MAJOR COMMITMENTS

Tri-Party Agreement Milestones: Two (2) Tri-Party Agreement milestones were planned for completion during FY03.

Total Tri-Party Agreement Milestones Due in FY03	2
Total Planned through February	0
Total Completed through February	2

Remaining Tri-Party Agreement Milestones to be Completed in FY03	0
Forecast Ahead of Schedule	0
Forecast On Schedule	0

Tri-Party Agreement Milestone M-16-10A, "Initiate Remedial Action in the 100-KR-1 Operable Unit", (due August 1, 2003) was completed on December 11, more than seven months ahead of schedule. Milestone M-93-16, "Complete 105-DR Reactor Interim Safe Storage" (due September 30, 2003), was completed on January 29, eight months ahead of schedule.

PERFORMANCE OBJECTIVES

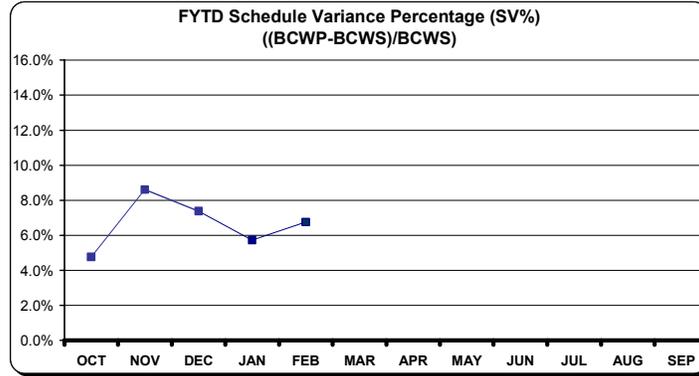
BHI focus area performance incentives are noted below. Specific River Corridor performance incentives are identified in Section B.

PI	Fee Allocation	Task	Status
 Execute Detailed Work Plan	Incentive fee shall not exceed 100%; if SPI is less than 75% at end of contract period, no fee shall be awarded.	Perform to approved DWP through contract period ending 12/31/02 in accordance with the SPI provision.	Through December, the SPI was 1.10, or 10% ahead of schedule. A Notice of Completion was submitted to RL on February 21 for the October through December time frame. No new or revised PIs have been received to recognize contract extension through April 30, 2003.
 Safety	Up to 50% of fee available for this PI may be forfeited if failure to satisfactorily meet PI in accordance with applicable requirements.	Protect worker safety and health, public safety and health, and the environment.	No issues or negative findings were identified with regard to the 16 performance failure criteria associated with this performance incentive through December. A Notice of Completion is being developed for submittal in March. No new PIs have been received to recognize contract extension through April 30, 2003. The ERC experienced one first aid injury in February, the last lost away/restricted injury case was in October 2002. Thus, the ERC has not experienced any OSHA recordable or lost away/restricted cases in November, December, January, or February.

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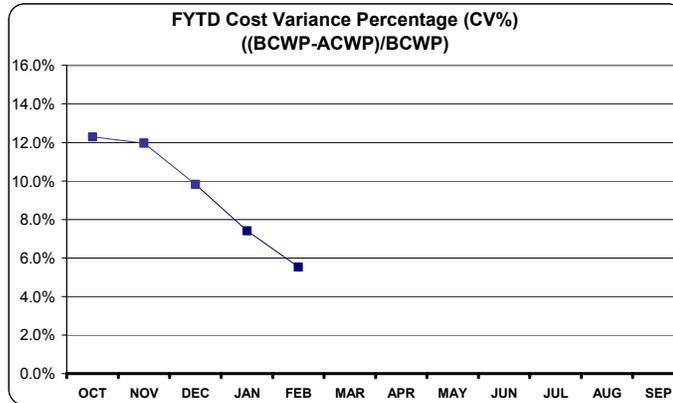
TOTAL ERC COST/SCHEDULE OVERVIEW

**FY03 ERC PERFORMANCE SUMMARY
FYTD FEBRUARY 2003
(\$K)**



***NOTE: ERC current contract completes April 30, 2003.**

	OCT	NOV	DEC	JAN	FEB	MAR	*APR	MAY	JUN	JUL	AUG	SEP
DWP	8,451	8,521	9,154	8,467	8,304	10,768	8,608	8,797	10,797	8,997	10,602	9,997
DWP (Accum)	8,451	16,973	26,127	34,594	42,898	53,666	62,274	71,071	81,868	90,865	101,466	111,463
CURRENT PERIOD												
BCWS	8,898	8,767	10,438	8,556	8,531	10,467	9,297	8,896	10,921	9,191	10,759	9,295
BCWP	9,322	9,863	10,993	8,579	9,484							
FISCAL YEAR TO DATE												
BCWS	8,898	17,665	28,103	36,659	45,190	55,658	64,954	73,850	84,770	93,962	104,720	114,015
BCWP	9,322	19,185	30,178	38,757	48,241							
SV	424	1,520	2,075	2,098	3,051							
SV%	4.8%	8.6%	7.4%	5.7%	6.8%							



	OCT	NOV	DEC	JAN	FEB	MAR	*APR	MAY	JUN	JUL	AUG	SEP	EAC
CURRENT PERIOD													
ACWP	8,177	8,713	10,324	8,670	9,689								
BCWP	9,322	9,863	10,993	8,579	9,484								
FISCAL YEAR TO DATE													
ACWP	8,177	16,890	27,214	35,883	45,572								
BCWP	9,322	19,185	30,178	38,757	48,241								
CV	1,145	2,295	2,964	2,874	2,669								
CV%	12.3%	12.0%	9.8%	7.4%	5.5%								
EAC (Cumulative)	8,177	16,890	27,214	35,883	45,572	57,760	67,612	76,124	86,025	93,759	103,074	111,127	111,127

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TOTAL ERC COST/SCHEDULE OVERVIEW (continued)

**FY03 ERC PBS PERFORMANCE SUMMARY
FYTD FEBRUARY 2003
(\$K)**

	FY03 DWP BCWS	CURRENT BCWS	FYTD			FYTD SCHEDULE VARIANCE			FYTD COST VARIANCE			EAC
			BCWS	BCWP	ACWP	\$	%	SPI	\$	%	CPI	
RC01	65,900	67,228	26,644	27,093	26,135	449	1.7%	1.02	958	3.5%	1.04	66,184
RC02	12,608	13,407	5,203	7,251	6,152	2,048	39.4%	1.39	1,099	15.2%	1.18	12,283
RC05	32,855	33,281	13,326	13,880	13,274	554	4.2%	1.04	606	4.4%	1.05	32,568
RCR-Subtotal	111,363	113,916	45,173	48,224	45,561	3,051	6.8%	1.07	2,663	5.5%	1.06	111,035
SC01	100	99	17	17	11	0	0.0%	1.00	6	35.3%	1.55	
SS-Subtotal	100	99	17	17	11	0	0.0%	1.00	6	35.3%	1.55	92
ERC TOTAL	111,463	114,015	45,190	48,241	45,572	3,051	6.8%	1.07	2,669	5.5%	1.06	111,127

Schedule Variance Summary:

Through February, the ER Project is \$3.1M (+6.8%) ahead of schedule. The positive schedule variance is attributed to the acceleration of the 618-5 Burial Ground remediation operations two months ahead of schedule, 100 N Area plume excavation and overburden removal ahead of schedule, and related ERDF operations are also ahead of schedule.

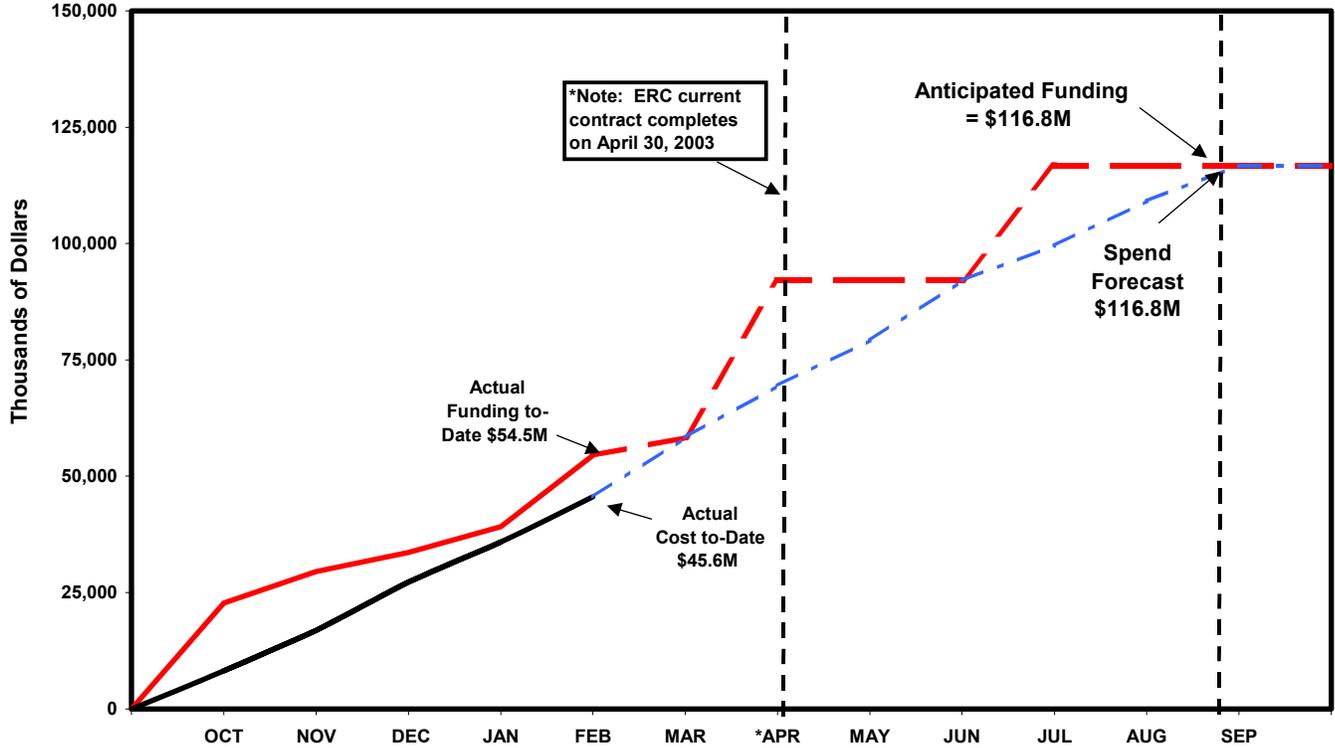
Cost Variance Summary:

At the end of February, the ER Project had performed \$48.2M worth of work, at a cost of \$45.6M. This results in a favorable cost variance of \$2.7M (+5.5%). The positive cost variance is attributed to consolidating common 618-4 and 618-5 Burial Ground remediation activities, LDR lead soil treatment at ERDF less than planned, lower project support costs for 100 K Area remediation due to resource sharing with 100 F Area, and S&M herbicide application costs less than planned.

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TOTAL ERC COST/SCHEDULE OVERVIEW (continued)

FY03 FUNDING VS. FORECAST EXPENDITURES (EAC)



	OCT	NOV	DEC	JAN	FEB	MAR	*APR	MAY	JUN	JUL	AUG	SEP	Est. Outyr. ETC	TOTAL
1 FY03 ERC FUNDING	22,717	29,506	33,639	39,169	54,469	58,324	92,066	92,066	92,066	116,809	116,809	116,809		
ACTUAL/EAC ON APPROVED SCOPE														
2 Actual Cost Cumulative Through February	8,176	16,889	27,213	35,883	45,572									
3 Current Monthly Actuals/EACs	8,176	8,713	10,324	8,670	9,689	12,187	9,852	8,512	9,901	7,735	9,314	8,054		
4 Cumulative Actuals/EACs on Approved Scope	8,176	16,889	27,213	35,883	45,572	57,759	67,611	76,123	86,024	93,759	103,073	111,127		111,127
MARCH FY2003 APPROVED BCPs														
5														0
6 Subtotal Approved Scope Changes						0	0	0	0	0	0	0		0
MARCH FY2003 PENDING SCOPE CHANGES														
7 RC01 BCP-23X02 D Reactor Fuel Fragment Disposal								40						40
8 RC01 BCP-23033 Additional Plumes at 116-F-1 Lewis Canal						24	24							48
9 RC01 BCP-22034 Delete Scope for Authorization Safety Basis						(151)								(151)
10 RC01 BCP-23038 100 BC Risk Assessment Pilot Project						19	30	30	30	24	21	17		171
11 ALL BCP-23X04 Implementation of River Corridor Contract Transition							400	400	500					1300
12 RC01 BCP-23037 Confirmatory Sampling of 32 Waste Sites						275	375	400	175					1225
13 RC01 BCP-23036 100 Area Accelerated D&D						100	100	100	95					395
14 RC02 BCP-23X09 Additional Remediation at 618-4 BG Due to Oil in Soil							700							700
15 RC02 BCP-23039 Defer into FY04 - 300 Area Backfill & Regrade							(95)	(95)	(95)	(95)	(95)	(94)		(569)
16 ALL BCP-23X10 Additional 2 Mos PI Fee for May & June							(525)		675					150
17 RC01 BCP-23X03 Addn'l FY02 Subcontractor Fee (Pre-select)									180					180
18 ALL BCP-23X11 Last Day in June FY03 - Jun 30th									450	(450)				0
19 ALL BCP-23X06 Increased Costs for Record Handling (FH City Manager)						19	3	3	4	3	3	3		38
20 ALL BCP-23X05 Post Contract Accruals									635			(635)		0
21 RC01 BCP-23X09 H Reactor Fuel Storage Basin Contamination Suppression							33	33	34	33	33	34		200
22 ALL Pending Scope Additions, Deletions, etc.						279	279	280	279	279	280	279		1955
23 Subtotal Approved BCPs + Pending BCPs						565	1324	1191	2962	(206)	242	(396)	0	5682
24 Current Monthly Actuals/EACs + March FY03 Approved/Pending BCPs	8,176	8,713	10,324	8,670	9,689	12,752	11,176	9,703	12,863	7,529	9,556	7,658		
25 Cumulative Actuals/EACs + March FY03 Approved/Pending BCPs	8,176	16,889	27,213	35,883	45,572	58,324	69,500	79,203	92,066	99,595	109,151	116,809	-	116,809

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ISSUES (REGULATORY/EXTERNAL/DOE)

See Section B issues.

KEY INTEGRATION ACTIVITIES

See Section B key integration activities.

UPCOMING PLANNED KEY EVENTS

Transition ER River Corridor workscope upon award of new contract.

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SECTION B – RIVER CORRIDOR RESTORATION

Data as of month-end February

ACCOMPLISHMENTS

100 Area River Corridor Cleanup (RC01):

During February, remediation work in the 100 B/C Area focused on removing large concrete valve boxes on pipelines 4, 28, and 29. Pipe shearing activities also took place along pipelines 25 and 26 south of B Reactor.

Backfill was completed near the F Reactor fuel storage basin (FSB) to support the Reactor Interim Safe Storage (ISS) Project. Backfill was initiated at the 100-F-14 Retention Basin and the 116-F-2 Trench. Plume excavation was completed at the 116-F-3 Trench and 116-F-1 Lewis Canal. Confirmation sampling was also completed for these two waste sites.

The draft 100 F Area Burial Grounds Design Basis Report was completed and submitted for internal review.

The 25% progress civil survey for the 116-KW-3 Retention Basin was completed during February. The depth of required retention basin remediation has decreased as a result of field screening that indicated contamination was not as deep as anticipated. Samples of the retention basin were taken to verify the field screening results and to validate the new excavation depth.

The 118-K-1 Burial Ground preliminary design review was initiated. The 90% design phase is scheduled to start mid-March.

In the 100 N Area, excavation of plume 8 was completed, and excavation of plume 8B was initiated. The civil survey for the 120-N sites was also completed. The survey plat was submitted to the Benton County Planning Department and the Washington State Department of Ecology (Ecology) as part of the Resource Conservation and Recovery Act (RCRA) closure activities.

The *Sampling and Analysis Plan for the 100/300 Area Remaining Sites, Rev. 1*, was submitted for concurrent RL and regulatory review. This revision incorporated a graded approach to sampling design (focused sampling) and the addition of 300 Area remaining sites. Preparation of the ERC institutional controls self-assessment report that is due to RL by mid-April was also initiated.

Mobilization for F Reactor safe storage enclosure (SSE) roof installation began on February 24.

During February, a white paper was prepared and transmitted to RL and the regulators for review. The paper discusses cleanup deferral of the contaminated D Reactor FSB soil.

Demolition activities were initiated on February 26 at the 117-DR filter building.

At H Reactor, concrete saw-cutting activities were completed in the gas wing area (Area 1). Below-grade demolition and slab removal were also completed in the control room/lunch room area (Area 3).

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ACCOMPLISHMENTS (continued)

100 Area surveillance and maintenance (S&M) tasks completed during February included:

- Completed white paper on the C Reactor five-year surveillance results. The white paper recommends the current surveillance frequency be extended from a five-year cycle to a ten-year cycle.
- Completed 100-KE and 100-KW annual maintenance activities.
- Completed ground application for fall bare-ground spraying.
- Transferred three 100 K Area facilities to Fluor Hanford (FH) per their request.
- Shipped 259 kilograms (570 pounds) of noncontaminated lead from the 1714-N facility for recycling.

Development of the ERC post-contract closeout estimate and schedule was initiated during February.

300 Area Cleanup (RC02):

Analysis results were received from a test pit that had been excavated to 6.4 meters (21 feet) below the bottom of the 618-4 Burial Ground. Results indicated total petroleum hydrocarbons exceeded cleanup goals to 3.7 meters (12 feet) below bottom grade. Additional samples were taken at groundwater depth (7 meters [23 feet]) with results expected by early March. The results from the trenching activity showed an estimated 6,680 metric tons (7,364 tons) of oil-contaminated soil and 7,711 metric tons (8,500 tons) of overburden to be removed.

The 300-FF-1 Operable Unit waste sites regrading subcontract procurement package and 100% design were completed. However, RL directed the regrading procurement process be put on hold so further discussions can be held with the City of Richland and Benton County to address industrial redevelopment in the 300 Area.

River Corridor Waste Management (RC05):

Drummed waste, consisting of uranium chips in oil, that was excavated from the 618-4 Burial Ground in the 300 Area is being staged at an interim storage pad in ERDF. Review of the draft report evaluating technologies and recommending the treatment path for this waste was completed, and final comment resolution is underway. The final document is scheduled to be issued by mid-March.

Construction was initiated on the firewater loop upgrade near the interim waste staging area at ERDF.

The 90% design package for ERDF cells 5 and 6 was submitted for concurrent RL and regulator review. The final design package is scheduled to be issued the end of March.

The ERDF Disposal team has worked 82 months (since project inception) without a lost time accident.

During February, 48,980 metric tons (53,992 tons) of contaminated waste were disposed in ERDF, for a total of 252,956 metric tons (278,838 tons) disposed to date in FY03. A total of 3,716,599 metric tons (4,096,871 tons) of waste have been disposed in ERDF since operations began in July 1996.

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MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS)

TPA Milestone	Description	Due Date	(F)/(A) Date
M-16-10A	Initiate Remedial Action in the 100-KR-1 Operable Unit	08/01/03	12/11/02 (A)
M-93-16	Complete 105-DR Reactor Interim Safe Storage	09/30/03	01/29/03 (A)
M-16-63*	Submit a Schedule and TPA Milestones to Complete Interim Remedial Actions for the Following 300-FF-2 Waste Sites (300-259, 303-M SA, 303-M UOF, UPR-300-46, URP-300-17, and 618-1) and Confirmatory Sampling of the Following 300-FF-2 Candidate Sites (300-109, 300-110, and 333 ESHWSA)	11/30/03	11/30/03 (F)
M-94-01*	Submit a Schedule and TPA Milestones to Complete Disposition of the Following Surplus Facilities: 303M, 332, 333, 334, 334A, 3221, 3222, 3223, 324, 3225, 324, 324B, 327 (River Corridor scope currently maintained by FH)	11/30/03	11/30/03 (F)
M-16-03H**	Complete Remediation of Waste Sites in 300-FF-1 Operable Unit to Include Excavation, Verification, and Regrading, Including the 618-4 Burial Ground in Accordance with an Approved RDR/ RAWP	12/31/03	06/30/04 (F)

*Scheduled completion date at risk due to delay in awarding River Corridor contract.

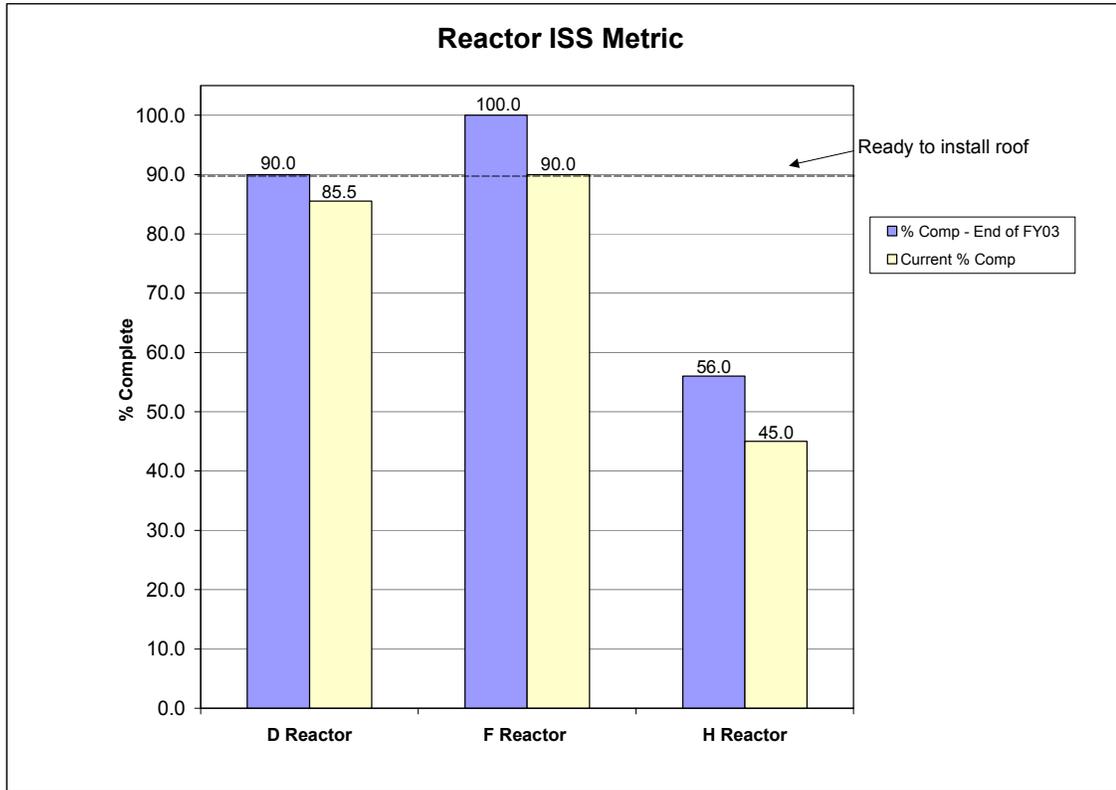
**Change request being prepared proposing date be extended six months.

PERFORMANCE OBJECTIVES

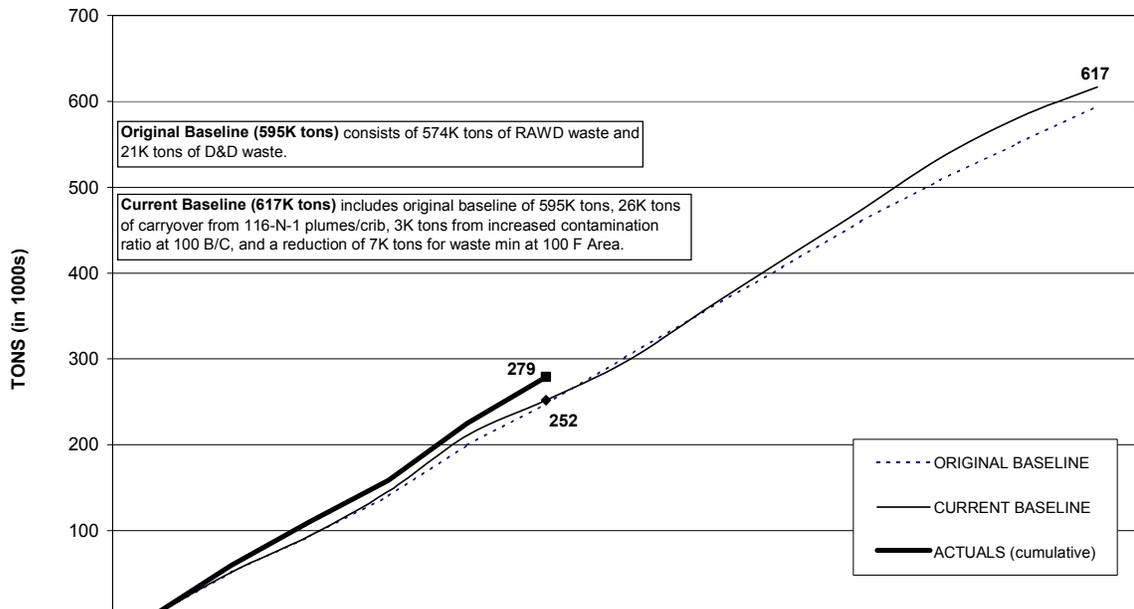
PI	Task
 Reactor Interim Safe Storage	Complete FY02 carryover ISS activities at F Reactor by November 20, 2002. Status: Completed on November 13, 2002. Notice of Completion package transmitted to RL on January 8, 2003. RL completed review and approved payment of full fee on January 30, 2003.

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PERFORMANCE MEASURES/METRICS



Remedial Action Metric Cumulative Tons to ERDF

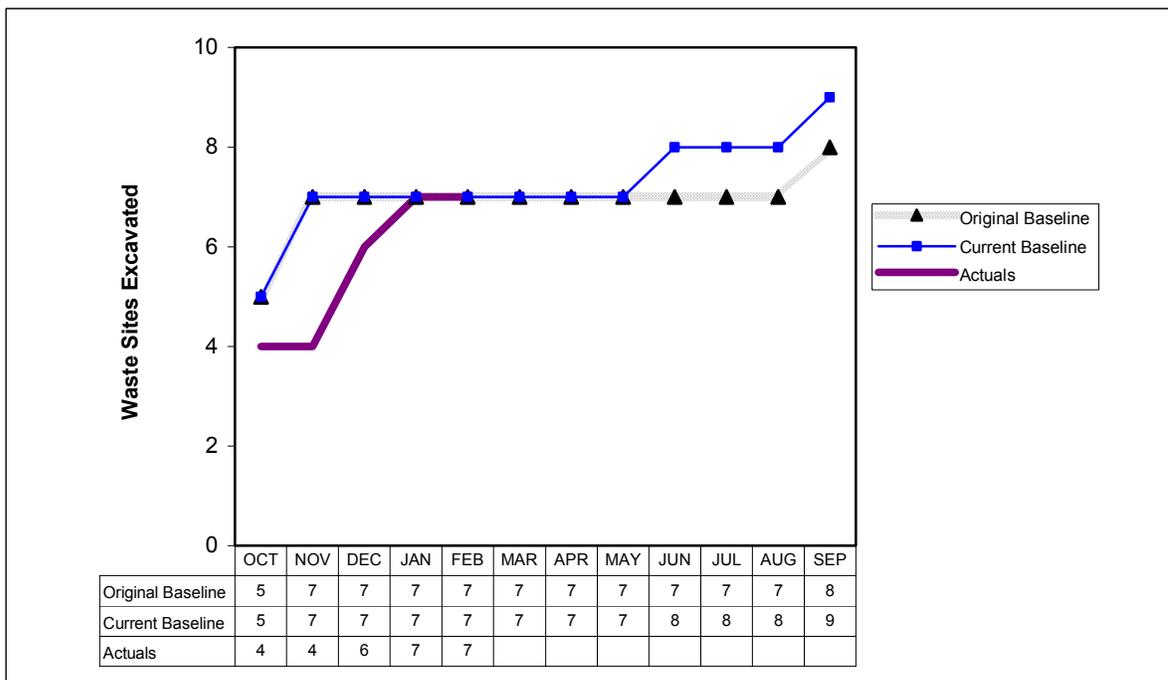


	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
ORIGINAL BASELINE	51	93	140	200	248	302	355	407	460	508	551	595
CURRENT BASELINE	51	94	146	211	252	296	356	415	473	534	581	617
ACTUALS (cumulative)	59	110	158	225	279							

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PERFORMANCE MEASURES/METRICS (continued)

Waste Site Metric
Excavations Completed
(cumulative)



NOTE: Waste site scheduled for completion in September is currently "TBD" date. Final surveys indicate oil-contaminatd soil plume which may require additional remediation.

Technology Deployments

Technology Deployment	PBS	Date Deployed	First-Time Deployment
Enhanced Site Characterization System (deployed at 618-5 Burial Ground)	RC02	10/02	No
RF Camera System for Brokk™ (deployed at H Reactor FSB)	RC01	10/02	Yes
IPIX 360-Degree Photography (deployed at C Reactor)	RC01	11/02	Yes
Mobile Access Control (Dolphin platform) (deployed at 100 K Area)	RC01	12/02	Yes
Ultra Lift (deployed at 100 N Area)	RC01	01/03	Yes
ISO-CART (deployed at 190-DR Facility)	RC01	02/03	Yes
ERDF Truck Survey Tool (Dolphin platform) (deployed at 100 B/C remedial action sites)	RC01	02/03	Yes

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COST/SCHEDULE STATUS

Schedule:

River Corridor Restoration	BCWS	BCWP	Variance
	\$K	\$K	\$K
RC01 100 Area River Corridor Cleanup	26,644	27,093	449
RC02 300 Area Cleanup	5,203	7,251	2,048
RC05 River Corridor Waste Management	13,326	13,880	554
TOTAL River Corridor Restoration:	45,173	48,224	3,051

PBS-RC01 – 100 Area River Corridor Cleanup

Schedule Variance = **\$449K; 1.7%**

Cause: 100 N Area plume excavation and overburden removal, and 100 F Area cleanup verification package preparation, are ahead of schedule.

Resolution: N/A

PBS-RC02 – 300 Area Cleanup

Schedule Variance = **\$2,048K; 39.4%**

Cause: 618-5 Burial Ground remediation initiated two months early, and key activities continue ahead of schedule.

Resolution: N/A

PBS-RC05 – River Corridor Waste Management

Schedule Variance = **\$554K; 4.2%**

Cause: LDR lead soil treatment ahead of schedule; waste disposal also ahead of plan by 27K tons due to mild winter weather.

Resolution: N/A

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COST/SCHEDULE STATUS (continued)

Cost:

River Corridor Restoration	FY03 EAC	BCWP	ACWP	Variance
	\$K	\$K	\$K	\$K
RC01 100 Area River Corridor Cleanup	66,184	27,093	26,135	958
RC02 300 Area Cleanup	12,283	7,251	6,152	1,099
RC05 River Corridor Waste Management	32,568	13,880	13,274	606
TOTAL River Corridor Restoration:	111,035	48,224	45,561	2,663

PBS-RC01 – 100 Area River Corridor Cleanup

Cost Variance = **\$958K; 3.5%**

Cause: Lower project support costs for 100 K Area remediation due to resource sharing with 100 F Area remediation work.

Resolution: Underrun reflected in EAC.

Cause: Surveillance and Maintenance herbicide application tasks less than planned. B Reactor hazards mitigation labor and material costs less than planned.

Resolution: Underrun reflected in EAC.

PBS-RC02 – 300 Area Cleanup

Cost Variance = **\$1,099K; 15.2%**

Cause: Efficiencies realized in 618-4 Burial Ground sorting, sampling, and loadout of contaminated soils; and in consolidation of common 618-4 and 618-5 Burial Ground remediation activities.

Resolution: Underrun reflected in EAC.

PBS-RC05 – River Corridor Waste Management

Cost Variance = **\$606K; 4.4%**

Cause: LDR lead soil treatment costs less than planned; uranium oxide preliminary treatment plan was simplified.

Resolution: Underrun reflected in EAC.

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ISSUES (REGULATORY/EXTERNAL/DOE)

- **100 N Area Remediation:** Results of residual radioactivity (RESRAD) modeling performed for the 116-N-1 crib and trench indicate that the site will not attain groundwater remedial action objectives (RAOs) following excavation. The results indicate that the lowest vadose zone layer contributes contaminants at levels above the RAOs.

Strategy/Status: Regulators and stakeholders provided input on the proposed Explanation of Significant Difference (ESD) for 116-N-1 site closeout during the Hanford Advisory Board (HAB) River and Plateau Committee meetings held on November 14 and January 8. A revised ESD incorporating HAB and regulator comments was sent to the regulators on January 16. A 30-day public comment period on the ESD started on February 3. RL agreed to a 30-day extension for the public comment period which will now end on March 31.

- **M-16-03H - 300-FF-1 Regrading:** Tri-Party Agreement Milestone M-16-03H, "Complete Remediation of Waste Sites in 300-FF-1 Operable Unit to Include Excavation, Verification, and Regrading, Including the 618-4 Burial Ground in Accordance with an Approved RDR/RAWP", is due December 31, 2003. A regrading Request for Proposal (RFP) package was completed in February. On February 28, RL directed the RFP process be placed on hold due to recent concerns expressed by the City of Richland and Benton County Board of Commissioners regarding industrial redevelopment in the 300 Area.

Strategy/Status: A Tri-Party Agreement change request is being prepared that proposes the milestone date be extended six months to June 30, 2004. This extension will allow RL, EPA, and the local government agencies to discuss the 300-FF-1 Operable Unit regrading methodology and end state.

- **M-16-63 and M-94-01:** Tri-Party Agreement Milestone M-16-63, "Submit a Schedule and TPA Milestones to Complete Interim Remedial Actions for the Following 300-FF-2 Waste Sites (300-259, 303-M SA, 303-M UOF, UPR-300-46, UPR-300-17, and 618-1) and Confirmatory Sampling of the Following 300-FF-2 Candidate Sites (300-109, 300-110, and 333 ESHWSA)"; and Milestone M-94-01, "Submit a Schedule and TPA Milestones to Complete Disposition of the Following Surplus Facilities: 303M, 332, 333, 334, 334A, 3221, 3222, 3223, 3224, 3225, 324, 324B, 327" (both due November 30, 2003), are at risk due to the delay in awarding the River Corridor contract.

Strategy/Status: After the River Corridor contract is awarded, discussions will be held with RL and the regulators to determine potential impacts.

- **H Reactor FSB Excavation:** Removable contamination levels on the concrete floors of the H Reactor FSB have been found to be significantly higher than expected during initial planning.

Strategy/Status: Work involving removal of additional sediments from the FSB has been temporarily suspended until additional radiological survey data can be obtained, current work processes and engineering controls have been reviewed and revised as necessary, and the applicable documentation has been modified to address the changes in the radiological conditions.

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INTEGRATION ACTIVITIES

The ERC Safety and Health group provided fire protection engineering support to FH. This included authoring a fire hazard analysis for the 231-Z facility and providing analytical support for three other fire hazard analyses. This effort supported a critical time frame for submittal of the Documented Safety Analyses (DSA) to RL. Support will continue through review and comment phases of the DSA submittal.

The ERC supported Ecology, RL, and other Hanford Site contractors in the RCRA Permit renewal. The RCRA Permit Board agreed to the proposed approach that uses unit-specific permit documents attached to the current Hanford RCRA Permit and to the scope and content of the Hanford RCRA Permit Application renewal. This agreement eliminates the requirement of preparing a new application for each treatment, storage, and disposal (TSD) unit that is included in the existing RCRA Permit. The renewal application is due to Ecology in March 2004.