Environmental Management Performance Report

January 2002

E0202058.1

Department of Energy
Richland Operations Office

Bechtel Hanford, Inc.
Environmental Restoration Contractor

Data as of month-end January

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INTRODUCTION

The monthly Environmental Restoration (ER) Environmental Management Performance Report (EMPR) consists of four sections: Section A - Executive Summary, Section B – River Corridor Restoration, Section C - Central Plateau Transition, and Section D – Site Integration and Infrastructure. All data is current as of January 31.

Section A – Executive Summary. This section provides an executive level summary of Environmental Restoration Contractor's (ERC) performance information for the current reporting month and is intended to bring to management's attention that information considered most noteworthy. The Executive Summary begins with a description of notable accomplishments 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 and FY02 Environmental Management (EM) corporate performance measures and objectives. 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 ERC monthly activity information and performance status for the three 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.

Section C – Central Plateau Transition. This section contains more detailed ERC monthly activity information and performance status for the one PBS within the Central Plateau Transition outcome. This PBS consists of CP01 – 200 Area Remediation.

Section D – Site Integration & Infrastructure. This section contains more detailed ERC monthly activity information and performance status for the two PBSs within the Site Integration and Infrastructure outcome. These two PBSs consist of SS03 – Groundwater Management and Monitoring, and SS04 – Groundwater/Vadose Zone (GW/VZ) Integration.

PBS SC01 – Near Term Stewardship is structured within the Site Stewardship outcome. Due to the minimal FY02 workscope identified for this PBS, SCO1 performance data will be 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

River Corridor Restoration

Central Plateau Transition

Site Integration & Infrastructure

Data as of month-end January

SECTION A – EXECUTIVE SUMMARY

Data as of month-end January

NOTABLE ACCOMPLISHMENTS:

General:

On January 4, the Environmental Restoration Contractor (ERC) team reached 1 million hours without a lost workday injury. This is the fifth time that the ERC has achieved this significant milestone since Bechtel Hanford, Inc. (BHI) and its pre-selected subcontractors began work at the Hanford Site in July 1994. The last time the ERC team reached a million hours without a lost workday injury was in May 2000.

The Hanford Site Tri-Party Agreement Public Involvement Community Relations Plan and the Comment and Response document were completed. Approval from the regulators was also received. These documents were placed on the web site at http://www.hanford.gov/tpa/tpahome.htm on January 18.

Formal rebaselining of the ER FY02 work plans was initiated upon receipt of the fiscal year 2002 (FY02) funding guidance from U.S. Department of Energy, Richland Operations Office (RL) on January 17.

River Corridor Restoration:

Pipeline plume excavation activities continued in the 100 B/C Area. Clean overburden removal, pipe shearing, concrete thrust block demolition, and loadout activities continued on various pipelines as well. Verification (confirmation) sampling was completed at the three outfall structures.

In the 100 F Area, excavation activities continued at the 126-F-1 Ash Pit. A section of the ash pit scheduled for excavation and disposal at the Environmental Restoration Disposal Facility (ERDF) was removed and stockpiled as overburden (in-process monitoring indicated it was uncontaminated). This could result in a waste minimization of 5,897 metric tons (6,500 tons).

In the 100 N Area, plume excavation activities at the 116-N-3 Crib were completed. Confirmation sampling activities were delayed at the 116-N-3 Crib, Pipeline, and Bypass due to additional plumes and isolated contamination identified by the Laser-Assisted Ranging and Data System (LARADS) surveys. Confirmation sampling is expected to begin in February. Demolition and processing activities continued at the 116-N-1 Trench along with 116-N-3 plume removal. Excavation and loadout activities at the 116-N-1 Trench resumed at the end of January.

On January 23, a contract was awarded for the 618-4 and 618-5 Burial Grounds remediation. A pre-construction meeting was held with the remediation subcontractor on January 31. Mobilization will begin in the 300 Area once the preliminary activity hazards analysis for specific mobilization activities has been approved.

During January, ERDF received 49,854 metric tons (54,955 tons) of contaminated waste, for a total of 182,468 metric tons (201,137 tons) received to-date in FY02. A total of 3,043,095 metric tons (3,354,438 tons) have been disposed in ERDF since operations began in July 1996. ERDF Disposal personnel have worked 69 months without a lost-time accident, and the ERDF Transportation team has driven 9,307,747 kilometers (5,783,566 miles) without an at-fault vehicle accident.

The 233-S waste package (Box 39) that was exhumed from ERDF, due to suspect characterization data, has been repackaged and is ready for transport to the Low-Level Burial Ground (LLBG) for permanent disposal.

A readiness review briefing was held with Project and subcontractor management prior to initiating DR Reactor safe storage enclosure (SSE) work. The subcontractor was given Notice to Proceed with demolition activities, and full-scale demolition began on January 29. Progress continued on the D, H, and F Reactor interim safe storage (ISS) activities as well.

NOTABLE ACCOMPLISHMENTS continued:

Another spent nuclear fuel (SNF) element was recently located in the F Reactor Fuel Storage Basin (FSB). The element is being stored in the FSB holding container pending transfer to K Basin. This brings the total number of fuel elements/partial elements found in the F Reactor FSB to 11 elements.

The 100-KR-4 pump and treat upgrade injection well was completed, and installation of the extraction well is in progress. The subcontractor was mobilized to perform system upgrades at the 100-HR-3 and 100-KR-4 groundwater pump and treat units as well.

The three River Corridor groundwater pump and treat systems operated above the planned 90% availability levels in January.

Significant River Corridor surveillance and maintenance (S&M) activities that were performed in January to ensure inactive facility integrity and safety included replacement of the electrical breaker at B Reactor, issuance of Draft A of the B Reactor Hazards Mitigation Remedial Action Work Plan (RAWP) for RL/regulator review, and issuance of the public B Reactor Hazards Mitigation Action Memorandum.

Central Plateau Transition:

Good progress continued on decommissioning of the highly contaminated 233-S Plutonium Concentration Facility. Removal of piping, hangers, and flat steel continued, and waste containers were prepared for shipment and disposal.

Well drilling was completed to a total depth of 87.6 meters (287.5 feet) at the Plutonium Finishing Plant (PFP) in support of the carbon tetrachloride investigation.

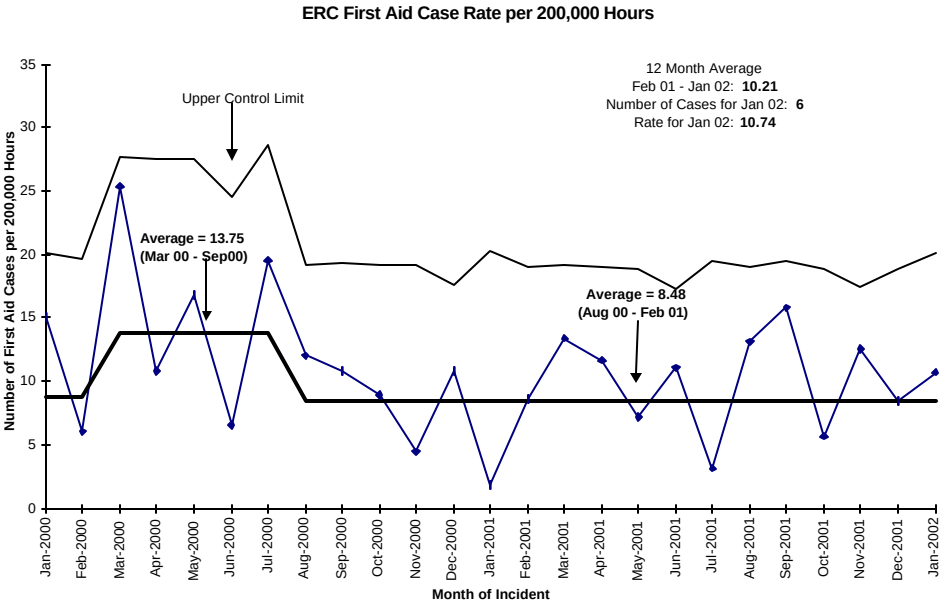
The two Central Plateau pump and treat systems operated above the 90 percent availability level in January.

Site Integration and Infrastructure:

The new Groundwater/Vadose Zone (GW/VZ) Integration Project System Assessment Capability (SAC) processors and analysis workstations that will be used to perform assessments were received in January. These components were assembled and are being tested. Use of this system will greatly reduce the time required to perform calculations for probabilistic assessments.

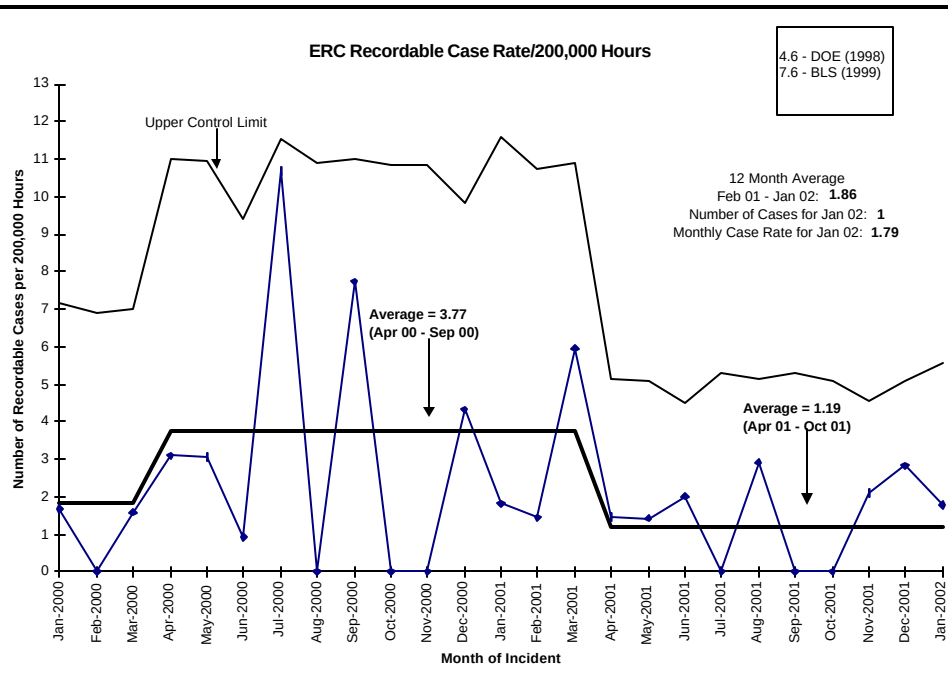
A workshop was held to update the existing technical elements in the Science and Technology (S&T) roadmap. The workshop participants included other national laboratories, Hanford Site contractors, RL, regulators, Tribal Nations, and stakeholders.

SAFETY:



GREEN

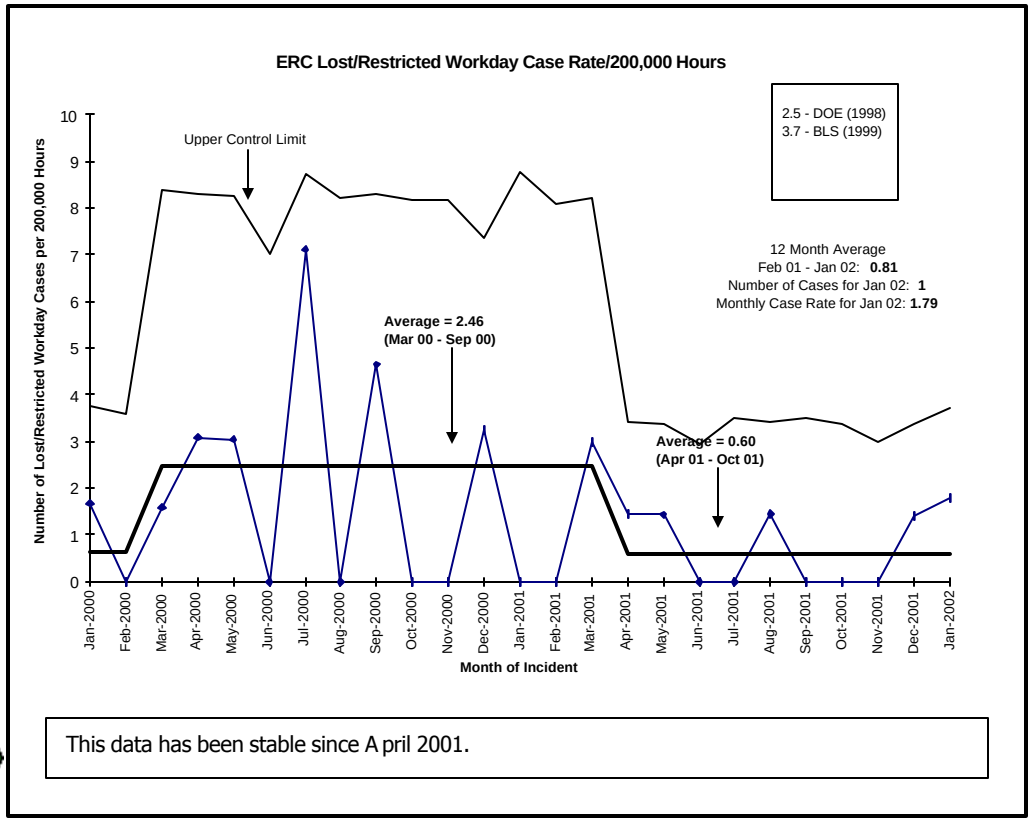
This data has been stable since August 2000, as there have been no significant trends.



GREEN

This data has been stable since April 2001.

SAFETY continued:



GREEN

This data has been stable since April 2001.

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

- All accidents are thoroughly investigated. Emphasis is placed on causes and corrective actions that can be implemented where applicable. Timely discussions are expected to take place in safety meetings and plan of the day (POD) meetings. When investigations have been completed, the results of each investigation are sent to the Area Superintendents, Field Superintendents, and Supervisors to review at the PODs.
- BHI continues to look for trends and consult with corporate and other Bechtel National, Inc. (BNI) contacts for ways to enhance performance.
- BHI continues to work closely with the Hanford Atomic Metal Trades Council (HAMTC) Safety Representative to resolve safety issues as they arise.
- Senior management continues to meet with small groups of employees in the field to discuss safety and personal commitment.
- 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 a safety walkaround. Area Superintendents for Decontamination and Decommissioning (D&D) Projects/233-S, Surveillance, Maintenance, and Transition (SM&T), and Groundwater/Vadose Zone (GW/VZ) will be included in these walkarounds and will be visiting projects other than those for which they are responsible. Information from the walkaround 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.

SAFETY continued:

	FYTD	Current Period (12/24/01-1/20/02)	Current Period Comments
First Aid	28	6	(4) strain/pain, (2) laceration
OSHA Recordable	5	1 (includes restricted workday case)	(1) pipefitter hit head against bolt requiring sutures
Restricted Workday Case	2	1	(1) pipefitter hit head against bolt requiring sutures
Lost Workday Case	0	0	N/A

Status:

- The ERC, as of January 31, has worked approximately 1,138,000 hours without a lost workday case. The last incident occurred on May 7 and became a lost time on May 31. Continuous employee involvement is being fostered by the Integrated Environmental Safety and Health Management System (ISMS), Voluntary Protection Program (VPP), labor alliance programs, e-mail communications and one-on-one meetings with employees.
- ERC task teams were established to review oversight of subcontractors, and flowdown of Environmental Safety and Health (ES&H) requirements to subcontractors. A management review of both processes was performed. In addition to targeted process improvement actions, additional areas were identified that require evaluation prior to development of the final corrective action plan.
- An Incident Review Board was held on January 21, to review 1) the head injury to an employee at the 105-H east water tunnel, and 2) the injury involving a portable electric-powered band saw at the 233-S process hood/viewing room. Emphasis was made for employees to be more aware of surroundings and do a better job of pre-planning scope.

SAFETY continued:

Integrated Environmental Safety and Health Management System (ISMS):

Status:

- The ERC Configuration Management Plan (CMP) BHI-01482 which delineates the Configuration Management process, was issued in September for ERC-wide use. The CMP requires that each project and functional department develop and maintain a Configuration Management Implementation Plan (CMIP) specific to the project and the functional group's tasks. During this month, Design Engineering and Environmental Technology functional departments have issued their CMIPs. Remaining projects and functional departments are in the process of developing their CMIPs. Implementation of CMP in conjunction with applicable CMIP is intended to satisfy 1) worker and public safety, 2) facility safety, 3) environmental protection, 4) regulatory requirements, and 5) cyber security.
- A six-month verification of emissions for the Purgewater Storage and Treatment Facility was performed. After the Hanford Air Operating Permit was signed on July 2, 2001, a six-month verification of the terms and conditions was required for each emission unit. A computerized matrix has been developed to document the verification to terms and conditions to each emission unit.
- Technical assistance was provided to RL, the Office of River Protection (ORP), and BNI to safely and adequately resolve Issue 9-14 (Cultural Resources) for the Waste Treatment Plant (WTP) Project. Discussion focused on two issues: 1) safe and adequate training, and 2) the need for a project-specific "Plan of Action" for unanticipated discoveries. Participants determined that additional training in artifact recognition, targeted on field personnel conducting earth-disturbing actions, was required. They also determined that the provisions of the Hanford Cultural Resources Management Plan were adequate to direct actions in the event that cultural materials are uncovered during construction operations. BHI support will be provided in addressing training needs, and providing a process flowchart of required steps to be taken if a discovery is made.
- Regulatory Support personnel participated with all site contractors, RL, and ORP to finalize the Polychlorinated Biphenyl Hanford Site User's Guide for safe use at the Hanford Site. The guide will be a living document that will be updated as needed to address specific issues and/or changes in the regulations.
- A revision of the Waste Management Manual (BHI-EE-10) was completed. The comprehensive revision of BHI-EE-10 was based on waste management processes identified for improvement through the Six-Sigma Process (procedures and a process flow diagram). To meet the objectives and goals of Six Sigma to improve waste management processes and provide consistency, BHI-EE-10 required the revision. Revisions included the development of new procedures, consolidation of old procedures, streamlining procedures, deletion of procedures, and clarification of procedures to identify new requirements, correct errors, provide clarity, improve regulatory basis, address self assessment observations and Corrective Action Requests (CARs), and improve the general flow of the manual. Project review is scheduled for two weeks, with an expected issue date of February 28.
- A joint team of ERC and Pacific Northwest National Laboratory (PNNL) staff completed the annual technical and quality audit of the Severn Trent Richland Laboratory. The Richland facility provides radiochemical support and is ERC's secondary commercial laboratory for this service. The audit went well, with one finding and a limited number of observations.
- Fifteen self-assessments, eight Quality Services surveillance reports, one nonconformance report, one independent assessment, and one issue brought to the attention of management were screened for Price-Anderson Amendments Act (PAAA) compliance determinations.

Conduct of Operations:

Status: No significant issues were reported in the Corrective Action Tracking System (CATS) database for the current reporting period.

PROCESS IMPROVEMENTS:

Six Sigma:

Status:
- Implementation of Six Sigma program across the ERC continues.
- Development of the Draft Six Sigma Program Implementation Plan is about 95 percent complete.
- Supportingf RL yellow belts with the development and implementation of Six Sigma processes.
- Supporting RL in training additional yellow belts.

Process Improvement Projects (PIPs) and status include:
- The Radiological Work Control Process PIP (PIP #6) is in the "Analyze Phase" and is about 50 percent complete.
- Evaluating two processes as potential PIP candidates: Waste Management Automation and Integration Improvement. Nevada / Hanford Waste Acceptance Phase 2, and Authorization Basis Process.

MAJOR COMMITMENTS:

Tri-Party Agreement **Milestones:** Seventeen (17) Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones are planned for completion during FY02 (16 FY02 planned milestones and 1 "to be determined" [TBD] dated milestone). Through January, 11 milestones have been completed; 10 ahead of schedule, and 1 on schedule.

One milestone, M-16-27C "Complete 100-HR-3 Phase III ISRM Barrier Emplacement" (due September 30, 2002), is anticipated to be extended. The regulators agreed to extend the completion date to June 30, 2003. A change request will be prepared and forwarded for approval.

Total Tri-Party Agreement **Milestones Due in FY02**	**17***
Total Planned Through January	8
Total Completed Through January	11

*Includes a "TBD" milestone

Remaining Tri-Party Agreement **Milestones to be Completed in FY02**	**6**
Forecast Ahead of Schedule	3
Forecast On Schedule	1
Forecast Unrecoverable (change request to be prepared)	1
Forecast to be Deleted	1

EM Corporate Performance Measures:

	DWP FY02	FY02 Mgmt Commitments	Current Baseline	Completed YTD
Waste Site Excavations	13	13**	10	3
Technology Deployments	0	3	3	0

**IPABS currently reporting 12 (change request pending).

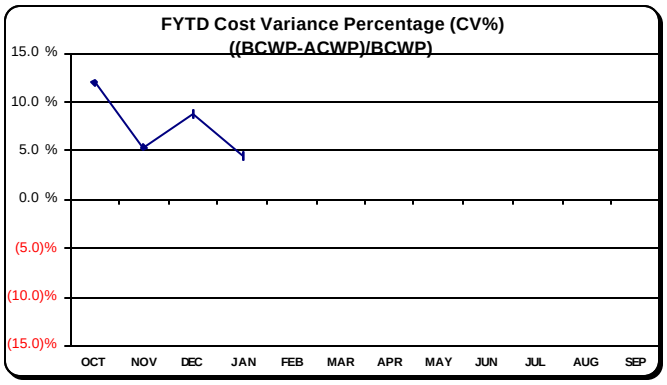
PERFORMANCE OBJECTIVES:

RL has not formally transmitted final FY02 Performance Incentives (PIs) to BHI.

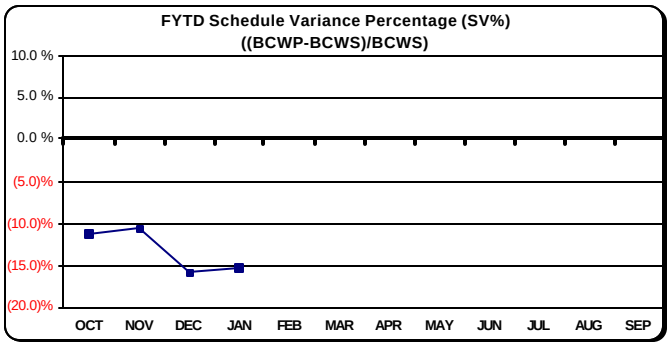
ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT
ENVIRONMENTAL RESTORATION
JANUARY 2002

TOTAL ERC COST/SCHEDULE OVERVIEW:

FY02 ER PERFORMANCE SUMMARY
FYTD JANUARY 2002
($K)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	EAC
CURRENT PERIOD													
ACWP	10,237	12,390	11,786	13,451									
BCWP	11,635	12,272	13,862	12,378									
FISCAL YEAR TO DATE													
ACWP	10,237	22,627	34,413	47,864									
BCWP	11,635	23,907	37,769	50,147									
CV	1,398	1,280	3,356	2,282									
CV%	12.0%	5.4%	8.9%	4.6%									
EAC (Cumulative)	10,237	22,627	34,413	47,864	64,299	82,571	96,824	110,395	125,867	138,409	151,353	168,819	169,200



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
DWP	10,994	11,433	14,984	13,383	12,125	15,162	12,865	12,486	13,558	11,837	12,074	14,835
DWP (Accum)	10,994	22,427	37,411	50,794	62,919	78,081	90,946	103,432	116,990	128,827	140,901	155,736
CURRENT PERIOD												
BCWS	13,121	13,631	18,145	14,309	13,681	17,419	13,448	12,648	13,383	11,953	12,217	14,471
BCWP	11,635	12,272	13,862	12,378								
FISCAL YEAR TO DATE												
BCWS	13,121	26,752	44,897	59,206	72,887	90,307	103,755	116,403	129,786	141,738	153,955	168,426
BCWP	11,635	23,907	37,769	50,147								
SV	(1,486)	(2,845)	(7,128)	(9,060)								
SV%	-11.3%	-10.6%	-15.9%	-15.3%								

TOTAL ERC COST/SCHEDULE OVERVIEW continued:

FY02 ER PBS PERFORMANCE SUMMARY
FYTD JANUARY 2002
($K)

	FY02 DWP BCWS	CURRENT BCWS	FYTD BCWS	FYTD BCWP	FYTD ACWP	YTD SCHEDULE VARIANCE $	YTD SCHEDULE VARIANCE %	YTD COST VARIANCE $	YTD COST VARIANCE %	EAC
RC01	68,776	73,654	26,093	21,442	20,684	-4,651	-17.8%	758	3.5%	74,162
RC02	9,444	9,865	2,944	1,792	1,638	-1,152	-39.1%	154	8.6%	9,909
RC05	24,259	25,961	8,738	8,289	7,866	-449	-5.1%	423	5.1%	25,956
RCR-Subtotal	**102,479**	**109,480**	**37,775**	**31,523**	**30,188**	**-6,252**	**-16.6%**	**1,335**	**4.2%**	**110,027**
CP01	32,663	33,831	11,293	9,858	9,670	-1,435	-12.7%	188	1.9%	34,072
CPT-Subtotal	**32,663**	**33,831**	**11,293**	**9,858**	**9,670**	**-1,435**	**-12.7%**	**188**	**1.9%**	**34,072**
SS03	17,141	18,097	5,948	5,754	5,332	-194	-3.3%	422	7.3%	18,215
SS04	3,382	6,949	4,181	3,004	2,667	-1,177	-28.2%	337	11.2%	6,818
SI&I-Subtotal	**20,523**	**25,046**	**10,129**	**8,758**	**7,999**	**-1,371**	**-13.5%**	**759**	**8.7%**	**25,033**
SC01	71	69	9	9	7	0	0.0%	2	22.2%	68
SS-Subtotal	**71**	**69**	**9**	**9**	**7**	**0**	**0.0%**	**2**	**22.2%**	**68**
ERC TOTAL	**155,736**	**168,426**	**59,206**	**50,148**	**47,864**	**-9,058**	**-15.3%**	**2,284**	**4.6%**	**169,200**

Schedule Variance Summary:

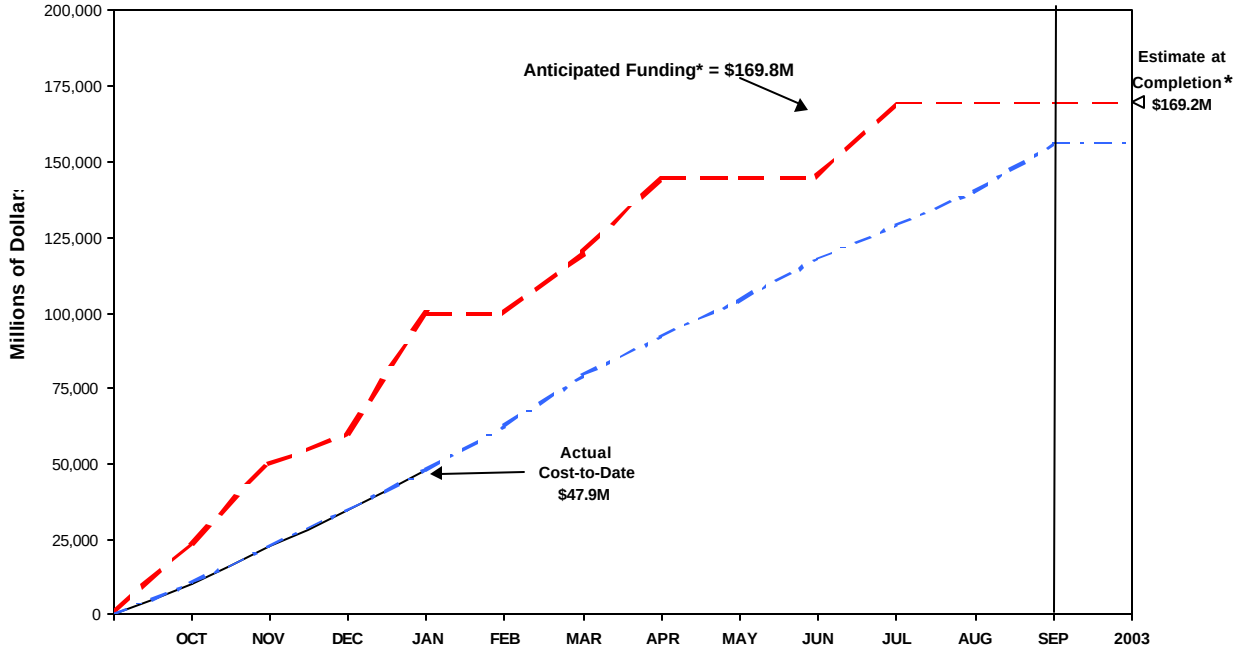
Through January, the ER Project is $9.1M (-15.3%) behind schedule. The negative schedule variance is attributed to late arrival of Reactor ISS excavator, delay of subcontractor key document submittals for DR Reactor SSE roof demolition, higher-than-expected radiation readings at the F Reactor FSB, and D Reactor excavation equipment downtime; delayed award of 618-4 Burial Ground remediation contract and remediation delays due to inclement weather; late contract award for system upgrades at two 100 Area groundwater pump and treat units, PFP well drilling relocation, and GW/VZ Science and Technology (S&T) scope delays due to awaiting FY02 funding guidance. No significant impacts are expected to result.

Cost Variance Summary:

At the end of January, the ER Project had performed $50.1M worth of work, at a cost of $47.9M. This results in a favorable cost variance of $2.3M (+4.6%). The positive cost variance is attributed to lower labor costs at 100 F and 100 B/C Areas, less GW/VZ Congressional report and Hanford Advisory Board (HAB) support costs than planned, and performance fee adjustments due to transition scope reduction.

TOTAL ERC COST/SCHEDULE OVERVIEW continued:

FY02 FUNDS MANAGEMENT



			OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	2003	
	ANTICIPATED FUNDING*		24,017	50,000	60,000	100,000	100,000	120,000	145,000	145,000	145,000	169,753	169,753	169,753	Est. Outyr. ETC	EAC TOTAL
	ACTUAL/EAC ON APPROVED SCOPE															
1	**Actual Cost**		10,237	22,627	34,413	47,864										
2	**Current Monthly EACs**		10,237	12,391	11,786	13,451	16,434	18,272	14,254	13,571	15,470	12,543	12,945	17,466		
3	**Cumulative EAC**		10,237	22,628	34,414	47,865	64,299	82,571	96,825	110,396	125,866	138,409	151,354	168,820	380	169,200
	JANUARY FY2002 APPROVED BCPs (Through 2/19/02)															
4	RC01/05	BCP-22035 Additional Plumes @ F Area/Defer 19 tons					13									13
5	**Subtotal Approved Scope Changes**						**13**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**13**
	FY2002 PENDING BCPs															
6	ALL*	BCP-22051 Re-baseline Based on Final Funding Guidance					(1,795)	(1,795)	(1,795)	(1,795)	(1,795)	(1,795)	(1,795)	(1,795)		(14,360)
7	CP01	BCP-22053 Accelerate Structural Steel Removal @ 233-S									100	100	100	100		400
8	CP01	BCP-22054 200 Area Asbestos Abatement Accleration						130	130	130	10					400
9	CP01	BCP-22029 Accelerate 200-ST-1 and 200-SW-2 RI/FS Work Plans					33	40	63	86	51	39	28	13	10	363
10	ALL	BCP-22008 Waste Management Phase III Process Improvements					31	31	31	31	31	31	32	32		250
11	ALL	Pending Scope Additions, Deletions, Etc.					(13)	(13)	(13)	(13)	(13)	(13)	(13)	(13)		(104)
12	**Subtotal Approved BCPs + Pending BCPs**						**(1,718)**	**(1,594)**	**(1,571)**	**(1,548)**	**(1,603)**	**(1,625)**	**(1,635)**	**(1,650)**	**10**	**(13,038)**
13	**Current Monthly EAC + January FY2002 Approved BCPs & Pending BCPs**		**10,237**	**12,391**	**11,786**	**13,451**	**14,716**	**16,678**	**12,683**	**12,023**	**13,867**	**10,918**	**11,310**	**15,816**		**-**
14	**Cumulative EAC + January FY2002 Approved BCPs & Pending BCPs**		**10,237**	**22,628**	**34,414**	**47,865**	**62,581**	**79,259**	**91,942**	**103,965**	**117,832**	**128,750**	**140,060**	**155,876**	**390**	**156,162**

*The "Anticipated Funding" value is consistent with January workscope/EAC. On January 22, funding guidance representing a $14,360K reduction was received from RL. The funding reduction is primarily related to workscope transitioning to Fluor Hanford on June 30. A re-baseline effort is underway and will be reflected in the February financial status, as will the final FY02 funding guidance.

ISSUES (REGULATORY/EXTERNAL/DOE):

See individual Outcome sections.

KEY INTEGRATION ACTIVITIES:

None identified at this time.

UPCOMING PLANNED KEY EVENTS:

River Corridor Restoration:

Tri-Party Agreement Milestone M-16-00F, Establish Date for Completion of All 100 Area Remedial Actions (due December 31, 2001) was completed as scheduled. (Tri-Parties reached tentative agreement on the River Corridor negotiations on December 31, 2001. Proposed change packages are undergoing a public comment review period. A milestone completion letter will be transmitted to the regulators upon change package approval which is expected by April 30, 2002.)

Tri-Party Agreement Milestone M-93-12, Issue 105-DR Disposition Competitive Procurement Package, due February 28, 2002. (This milestone is being proposed for deletion in the draft River Corridor change package.)

Central Plateau Transition:

The tentative agreement for the Central Plateau (200 Area) negotiations (M-13, M-15, M-16, M-20 milestones) has been completed and approved by the Tri-Parties. Proposed change packages will undergo a public comment review period. Final approval of proposed changes is expected by June 5, 2002.

Section B - River Corridor Restoration

RC01 - 100 Area River Corridor Cleanup
RC02 - 300 Area Cleanup
RC05 - River Corridor Waste Management

F Reactor South Wall Removal

Cutting of 60" Diameter Pipe at 100 F Area

116-N-1 Crib and Trench Demolition and Cleanup

Data as of month-end January

SECTION B – RIVER CORRIDOR RESTORATION

Data as of month-end January

ACCOMPLISHMENTS:

100 Area Cleanup (RC01):

Plume excavation continued on pipelines 3 and 4 in the 100 B/C Area, completing 11,793 metric tons (13,000 tons) of the estimated 13,608 metric tons (15,000 tons). Clean overburden removal activities also continued on pipelines 16, 17, 18, and 21. Pipe shearing and loadout activities progressed on pipelines 16, 17, 20, and 42. Two concrete thrust blocks were also broken up on pipelines 16 and 17. Verification (confirmation) sampling was completed at the three outfall structures (116-B-7, 132-B-6, and 132-C-2).

In the 100 F Area, excavation activities continued at the 126-F-1 Ash Pit. A section of the ash pit [2,700 bank cubic meters (3,531 cubic yards)] scheduled for excavation and disposal at the ERDF was removed and stockpiled as overburden (in-process monitoring indicated it was uncontaminated). This could result in a waste minimization of 5,897 metric tons (6,500 tons). Closeout sampling of the stockpile will be performed when excavation of the ash pit waste site is complete. Excavation activities at the 100-F-2 Strontium Garden were completed. A cleanup verification package (CVP) for the UPR-100-F-2 Basin Leak waste was transmitted to RL for regulator review.

In the 100 N Area, plume excavation activities at the 116-N-3 Crib were completed. Confirmation sampling activities were delayed at the 116-N-3 Crib, Pipeline, and Bypass due to additional plumes and isolated contamination identified by the LARADS surveys. Confirmation sampling is expected to begin in February. Demolition and processing activities continued at the 116-N-1 Trench along with 116-N-3 plume removal. Excavation and loadout activities at the 116-N-1 Trench resumed the end of January. The dig roads and shielding berms around the 116-N-1 Trench were completed. The shielding berm has proven to be a very effective as-low-as-reasonably-achievable (ALARA) practice and has resulted in a significant reduction from the planned dose to-date for the equipment operators.

At D Reactor, demolition activities resumed on January 21 after repairs to the heavy equipment were completed.

A readiness review briefing was held with Project and subcontractor management prior to initiating DR Reactor SSE work. All documentation was completed to conduct demolition activities, including the demolition plan. The subcontractor was given Notice to Proceed with demolition activities, and full-scale demolition began on January 29.

LARADS surveys identified another SNF element in the first of four new hot spots recently located in the F Reactor FSB. The element was reading 54 R on contact. The element is being stored in the FSB holding container pending transfer to K Basin. This brings the total number of fuel elements/partial elements found in the F Reactor FSB to 11 elements. All four hot spots were also removed on January 17.

The F Reactor FSB Sampling and Analysis Plan (SAP) Addendum was transmitted to RL. Regulator comments are due by the end of February, but are expected in early to mid-February.

At H Reactor, demolition activities were initiated in the control room/lunch room areas (Area 3) on January 16. As of January 31, demolition was approximately 70 percent complete.

Transport of water from the H Reactor FSB transfer pits to the holding tanks continued. To date, approximately 268,764 liters (71,000 gallons) of liquid (35 percent of the total estimated volume in the FSB) has been sent to the Effluent Treatment Facility (ETF).

ACCOMPLISHMENTS continued:

In the 100 Area, the three groundwater pump and treat systems (100-HR-3, 100-KR-4, and 100-NR-2) operated above the planned 90% availability levels in January, processing approximately 91.6 million liters of groundwater and removing approximately 5.83 kilograms of chromium and 0.01 curie of strontium. Since system inception, these three pump and treat systems have processed over 3 billion liters of groundwater, removing approximately 282 kilograms of chromium and 1.15 curies of strontium.

The 100-KR-4 pump and treat upgrade injection well was completed, and installation of the extraction well is in progress. The subcontractor was mobilized to perform system upgrades at the 100-HR-3 and 100-KR-4 groundwater pump and treat units as well.

Installation of the FY02 In Situ Redox Manipulation (ISRM) Phase III barrier wells is progressing. A total of 17 wells are planned for installation. The mitigation drilling Request for Proposal (RFP) was also issued.

100 Area River Corridor S&M activities that were performed in January to ensure inactive facility integrity and safety included completion of the Radiation Area Remedial Action (RARA) FY01 annual report, replacement of the electrical breaker at B Reactor, issuance of Draft A of the B Reactor Hazards Mitigation RAWP for RL/regulator review, and issuance of the public B Reactor Hazards Mitigation Action Memorandum.

300 Area Cleanup (RC02):

On January 23, a contract was awarded for the remediation of the 618-4 and 618-5 Burial Grounds. A pre-construction meeting was held with the remediation subcontractor on January 31. This meeting provided an opportunity to meet the subcontractor team and convey ERC expectations for performance of remediation work in the 300 Area. Mobilization will begin in the 300 Area once the preliminary activity hazards analysis for specific mobilization activities has been approved.

The last two tasks associated with the 618-10 and 618-11 Burial Grounds engineering study were completed on January 24. These tasks included 1) reevaluate the approach and costs to remove the pipe units and caissons, and 2) prepare a schedule that incorporates new draft Tri-Party Agreement milestones to complete remediation by 2018.

The SAP for the 300 Area uranium leach/Kd study, Rev. 2, was approved by the regulators on January 22. The SAP revision documents the changes to optimize FY02 laboratory testing based on a technical peer review of the FY01 preliminary laboratory results.

River Corridor Waste Management (RC05):

During January, ERDF received 49,854 metric tons (54,955 tons) of contaminated waste, for a total of 182,468 metric tons (201,137 tons) received to-date in FY02. A total of 3,043,095 metric tons (3,354,438 tons) have been disposed in ERDF since operations began in July 1996. ERDF Disposal personnel have worked 69 months without a lost-time accident, and the ERDF Transportation team has driven 9,307,747 kilometers (5,783,566 miles) without an at-fault vehicle accident.

Disposal of wastes from the F Reactor FSB commenced, utilizing special procedures for discharging containers at the zero-foot elevation of ERDF.

The Idaho National Engineering and Environmental Laboratory (INEEL) management team visited ERDF to observe and discuss subcontracting strategies and operating procedures in preparation for the construction and operation of their on-site CERCLA disposal facility. Information gathered from these visits is expected to result in considerable savings in construction and operation costs.

The 233-S waste package (Box 39) that was exhumed from ERDF, due to suspect characterization data, has been repackaged into a metal burial box and is ready for transport to the LLBG for permanent disposal.

MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS):

TPA Milestone	Description	Due Date	(F) / (A) Date
M-16-00F*	Establish Date for Completion of All 100 Area Remedial Actions	12/31/01	12/31/01 (A)
M-16-27B	Complete 100-HR-3 Phase II, ISRM Barrier Emplacement (Planning, Well Installation, and Barrier Emplacement)	12/31/01	11/20/01 (A)
M-93-12*	Issue 105-DR Disposition Competitive Procurement Package for Ascertaining the Most Effective and Efficient Approach to FEIS ROD Selected Alternative Implementation (….)	2/28/02	Proposed for deletion
M-16-26B	Complete Remediation and Backfill of 51 Liquid Waste Sites in the 100-BC-1, 100-BC-2, 100-DR-1, 100-DR-2, and 100-HR-1 Operable Units and Process Effluent Pipelines in the 100-DR-1, 100-DR-2, and 100-HR-1 OUs. Complete Revegetation of 36 Liquid Waste Sites in the 100-BC-1, 100-DR-1, 100-DR-2, and 100-HR-1 OUs as Defined in RDR/RAWP for the 100 Area	3/31/02	12/11/02 (A)
M16-41B	Submit Closeout Verification Package for JA Jones 1 and 600-23 Waste Sites for EPA Approval	3/31/02	11/30/01 (A)
M-16-03A*	Establish Date for Completion of 300 Area Remedial Actions	6/30/02	4/30/02 (F)
M-16-03G	Establish an Environmental Restoration Disposal Facility (ERDF) Staging Area that is Ready to Receive Drummed Waste from the 618-4 Burial Ground in Accordance with an ERDF Record of Decision Amendment	9/30/02	3/11/02 (F)
M-16-27C**	Complete 100-HR-3 Phase III, ISRM Barrier Emplacement (Planning, Well Installation, and Barrier Emplacement)	9/30/02	6/30/03 (F)
M-16-41C	Complete Backfill and Regrading of JA Jones 1 and 600-23. Revegetation will occur during the following planting season	TBD	12/14/01 (A)

*Tri-Parties reached tentative agreement on the River Corridor negotiations on December 31, 2001. Proposed change packages are undergoing a public comment review period. Final approval of proposed changes is expected by April 30, 2002.

** A meeting was held with Ecology to consider effects of project transitioning (June) and delay in mitigation borehole soil sampling program prior to officially submitting an Explanation of Significant Difference (ESD) and change request. Ecology agreed to extend the completion date to June 30, 2003. A change request will be prepared.

PERFORMANCE OBJECTIVES:

RL has not formally transmitted final FY02 PIs to BHI.

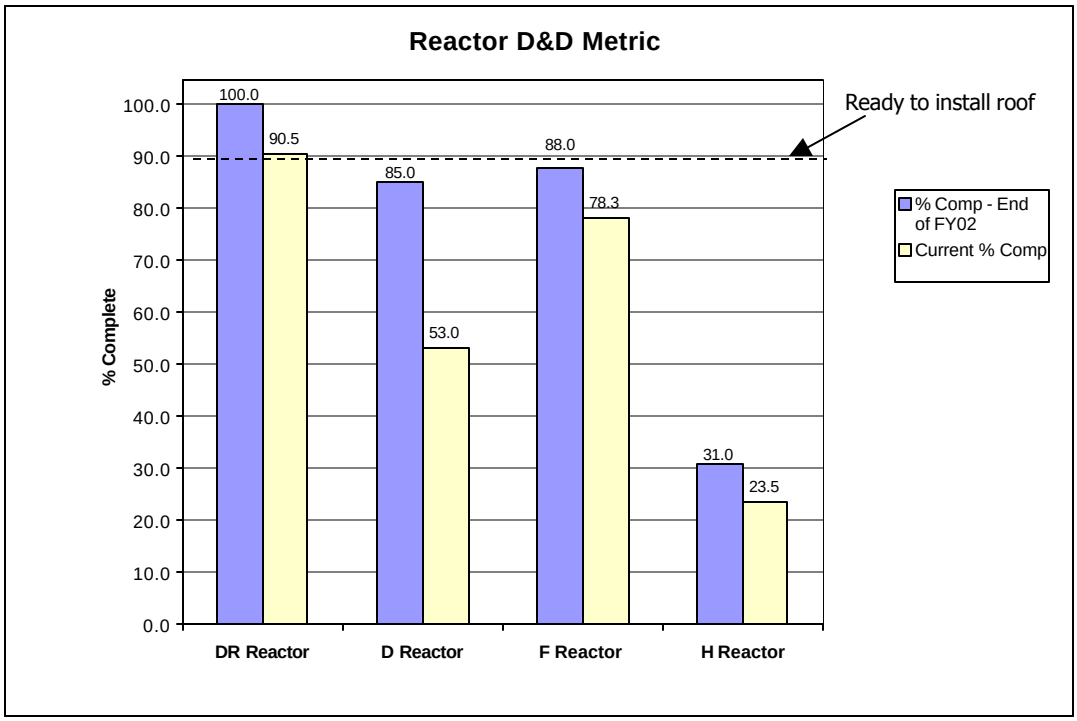
PERFORMANCE MEASURES/METRICS:

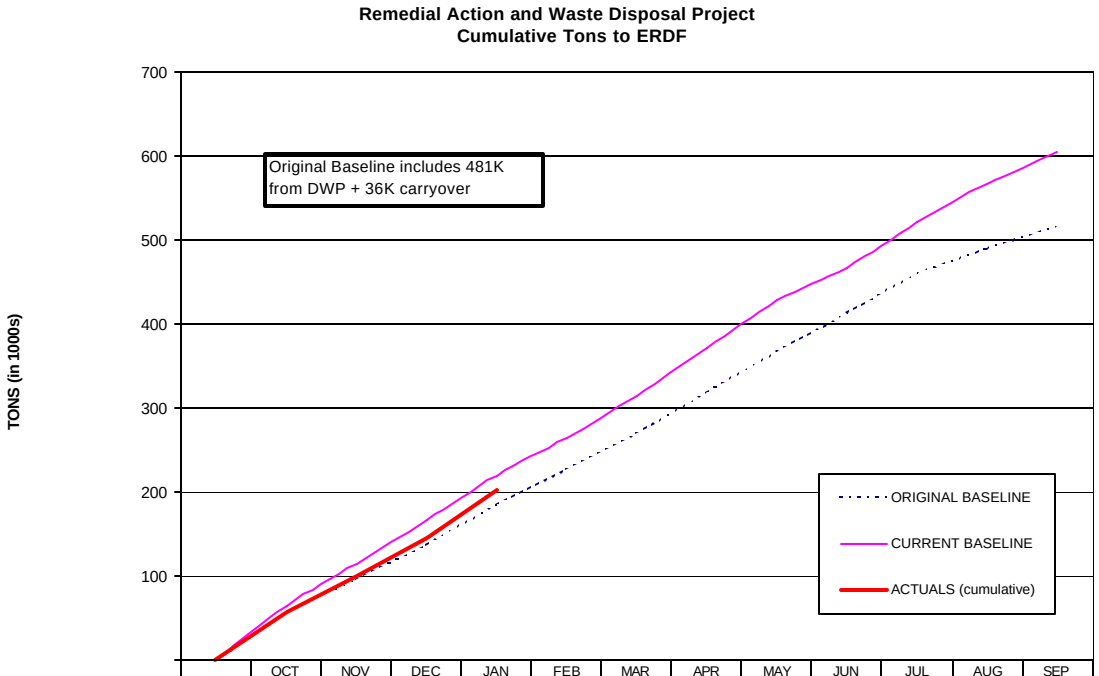
FY02 Performance Measures Summary:

PBS	Description	FY02 Mgmt Commit	Current Baseline Due Date	Forecast (F) Actual (A) Date
RC01	Complete Excavation – 100-F-2	X	11/30/01	1/26/02 (A)
RC01	Complete Excavation – 100-F-15	X	5/1/02	12/7/01 (A)
RC01	Complete Excavation – 100-F-19	X	8/12/02	8/12/02 (F)
RC01	Complete Excavation – 100-F-35	X	Deferred	Deferred
RC01	Complete Excavation – 116-F-1	X	Deferred	Deferred
RC01	Complete Excavation – 116-F-2	X	10/12/01	TBD (F)
RC01	Complete Excavation – 116-F-3	X	Deferred	Deferred
RC01	Complete Excavation – 116-F-6	X	Deferred	Deferred
RC01	Complete Excavation – 116-F-10	X	Deferred	Deferred
RC01	Complete Excavation – 116-F-11	X	Deferred	Deferred
RC01	Complete Excavation – 116-N-1	X	Deferred	Deferred
RC01	Complete Excavation – UPR-100-N-31	X	Deferred	Deferred
RC01	Complete Excavation – 126-F-1		6/5/02	5/31/02 (F)
RC01	Complete Excavation - 116-F-14		11/30/01	12/13/01 (A)
RC01	Complete Excavation - 116-F-9		11/26/01	TBD (F)
RC01	Complete Excavation - 1607-F2		7/30/02	7/11/02 (F)
RC01	Complete Excavation – 116-N-3		1/3/02	2/5/02 (F)
RC02	Complete Excavation – 618-4	X	8/15/02	8/15/02 (F)
Total		**13***	**10**	**7 (F) 3 (A)**

*IPABS currently reporting 12 (change request pending).

PERFORMANCE MEASURES / METRICS:





		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
ORIGINAL BASELINE		57	96	138	186	227	270	319	367	413	461	490	517
CURRENT BASELINE		64	115	166	220	264	315	371	428	467	521	567	605
ACTUALS (cumulative)		57	99	146	201								

STRETCH AND SUPERSTRETCH GOALS:

RL has not formally transmitted final FY02 goals to BHI.

OUTCOME STATUS (COST/SCHEDULE):

Schedule:

River Corridor Restoration	BCWS	BCWP	Variance
	$K	$K	$K
RC01 100 Area River Corridor Cleanup	26,093	21,442	(4,651)
RC02 300 Area Cleanup	2,944	1,792	(1,152)
RC05 River Corridor Waste Management	8,738	8,289	(449)
TOTAL River Corridor Restoration	**37,775**	**31,523**	**(6,252)**

PBS-RC01 – 100 Area River Corridor Cleanup
Schedule Variance = **($4651K); (17.8%)** [Last Month: ($4192K); (21.1%)]

Cause: Reactor ISS excavator did not arrive in December as planned.

Resolution: Not a critical path activity. Delivery of excavator expected in February.

Cause: Demolition of DR Reactor SSE roof behind schedule due to delays in subcontractor key document submittals.

Resolution: Key documents completed, and demolition initiated the end of January. Subcontract is being modified to extend completion date of DR Reactor roof.

Cause: Delay at D Reactor due to excavation equipment out of operation for 32 working days in December/January.

Resolution: Recovery plan implemented in conjunction with baseline change proposal (BCP) that extends completion date for delays beyond contractor control. Revised schedule proposes a 32-day extension.

Cause: F Reactor FSB demolition and loadout activities took more time than planned due to increased radiation dose rates.

Resolution: Recovery schedule implemented. Schedule recovery expected in April.

Cause: System upgrade delays at 100-KR-4 and 100-HR-3 groundwater pump and treat units due to change in performance approach from construction forces to subcontract. Also, CERCLA well drilling started later than planned and not all resin purchased has been received.

Resolution: Baseline is being revised to incorporate new subcontract approach with full recovery expected.

OUTCOME STATUS (COST/SCHEDULE) continued:

Cause: Delay in field preparation impacted ISRM drilling start in early December. Change in drilling methodology necessitated additional requirements for subcontract bid specifications causing delay of mitigation sampling.

Resolution: Drilling subcontractor initiated work on December 18. Mitigation sampling delayed until February. No impact to construction at this time.

Cause: Soil sampling delays due to increased contamination plumes in 100 B/C Area, and still awaiting several subcontractor drawings.

Resolution: Corrective action for sampling variance is being evaluated; BCP prepared to defer a portion of plume-related delayed activity.

Cause: Weather, container issues, and plumes delayed 100 N Area excavation.

Resolution: Schedule recovery expected over next seven months. Confirmation sampling at 116-N-1 deferred due to plumes.

PBS-RC02 – 300 Area Cleanup
Schedule Variance = **($1152K); (39.1%)** [Last Month: ($482K); (24.3%)]

Cause: 300-FF-1 behind schedule due to awaiting comments on CVPs.

Resolution: Per regulator request, CVPs will be completed after ongoing Kd study impacts can be incorporated.

Cause: 618-4/5 burial ground contract award/mobilization delayed due to awaiting FY02 funding guidance.

Resolution: Contract awarded; BCP in progress to realign target schedule to reflect contract award delay.

PBS-RC05 – River Corridor Waste Management
Schedule Variance = **($449K); (5.1%)** [Last Month: ($401K); (6.0%)]

Cause: Inclement weather delayed ERDF operations.

Resolution: Full schedule recovery expected.

OUTCOME STATUS (COST/SCHEDULE) continued:

Cost:

River Corridor Restoration	FY02 EAC	BCWP	ACWP	Variance
	$K	$K	$K	$K
RC01 100 Area River Corridor Cleanup	74,162	21,442	20,684	758
RC02 300 Area Cleanup	9,909	1,792	1,638	154
RC05 River Corridor Waste Management	25,956	8,289	7,866	423
TOTAL River Corridor Restoration	**110,027**	**31,523**	**30,188**	**1,335**

PBS-RC01 – 100 Area River Corridor Cleanup
Cost Variance = **$758K; 3.5%** [Last Month: $1251K; 8.0%]

Cause: Less hazardous material discovered at D Reactor than planned, offset by excessive equipment repairs.

Resolution: Overrun reflected in EAC.

Cause: Underrun due to consolidating two B Reactor hazards mitigation regulatory documents.

Resolution: Underrun trended and reflected in EAC.

Cause: Labor costs at 100 F and 100 B/C Areas lower than planned.

Resolution: Current 100 B/C underruns expected to be offset by overruns from increased pipeline trench contamination.

Cause: Performance fee adjustments due to transition scope reduction.

Resolution: BCP will be issued when final FY02 fee is determined.

PBS-RC02 – 300 Area Cleanup
Cost Variance = **$154K; 8.6%** [Last Month: $249K; 16.6%]

Cause: 618-10/11 burial ground engineering study required less labor than planned.

Resolution: 618-10/11 underrun has been reflected in EAC.

PBS-RC05 – River Corridor Waste Management
Cost Variance = **$423K; 5.1%** [Last Month: $459K; 7.3%]

Cause: Planned overtime and subcontract costs not incurred and fewer waste shipments.

Resolution: Overtime and subcontract costs expected to increase in spring/summer months to recover schedule.

ISSUES (REGULATORY/EXTERNAL/DOE):

Decontamination and Decommissioning (D&D) Worker Turnover: 16 out of 17 Reactor ISS D&D staff have transferred through the Labor Assets Management Program (LAMP) process since the beginning of FY01.

Status: The remaining experienced worker knowledge base continues to be lost. The project is continually rearranging staff for more experienced personnel to support critical work (F Basin).

100 N Area: The RCRA permit and the Record of Decision (ROD) for the 100-NR-1 TSD sites state that Certification of Closure will be achieved approximately three years after commencement of remedial actions (July 2003). The extent of plumes excavated from the 116-N-3 site and the anticipated plumes identified at the 116-N-1 site indicate that Certification of Closure will not be completed until FY04.

Status: Preliminary discussions have already begun with the regulators regarding the need for a modification to the RCRA permit schedule.

INTEGRATION ACTIVITIES:

None identified at this time.

Section C - Central Plateau Transition

CP01 - 200 Area Remediation

NPO Obtaining Chemical Material Identification Prior to Packaging

Removing L-2 Heat Exchanger at 233-S

SECTION C – CENTRAL PLATEAU TRANSITION

Data as of month-end January

ACCOMPLISHMENTS:

200 Area Remediation (CP01):

Central Plateau remediation and groundwater monitoring activities that were performed in January included:

- Completed well drilling to a total depth of 87.6 meters (287.5 feet) at PFP in support of the carbon tetrachloride investigation.
- In the 200 Area, both groundwater pump and treat systems (200-UP-1 and 200-ZP-1) operated above the planned 90% availability levels in January, processing approximately 42.4 million liters of groundwater. Since system inception, these two pump and treat systems have processed approximately 2.3 billion liters of groundwater. Approximately 127 kilograms of carbon tetrachloride were removed by 200-ZP-1 in January. Approximately 6,217 kilograms of carbon tetrachloride have been removed by 200-ZP-1 to date. Approximately 546 million liters of groundwater have been transported to the ETF for processing since 200-UP-1 began operation. 343 million liters were previously processed prior to using ETF.
- Completed 200-UP-1 system upgrades for the second extraction well tie-in.

January decommissioning activities that were accomplished in the highly contaminated 233-S Plutonium Concentration Facility included:

- Completed scaffold installation for access to vessels L-2 and L-8.
- Continued scaffolding installation for vessel L-15.
- Removed 103 meters (339 feet) of pipe, associated hangers, and flat steel from the process hood.
- Removed 3 meters (10 feet) of vessel and the lower raschig rings from vessel L-2.
- Sealed 34 waste drums for shipment and banded 8 burial boxes for ERDF disposal.
- Assayed 10 drums and 22 waste packages. Received 19 nondestructive assay (NDA) final drum data packages.

Central Plateau S&M activities that were performed in January to ensure inactive facility integrity and safety included:

- Completed the Central Plateau herbicide/pesticide bare ground spraying.
- Completed the RARA FY01 annual report.
- Issued an Unreviewed Safety Question (USQ) for the B Plant filter changeout.
- Completed an evaluation that determined inadequacies in the current PUREX Safety Basis document. Surveillance of contamination indicates a continuing trend upward that will exceed the analyzed levels as shown in the Safety Basis document.

MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS):

TPA Milestone	Description	Due Date	(F) / (A) Date
M-13-26	Submit Plutonium/Organic-Rich Process Waste Group (200-PW-1) Work Plan	12/31/01	12/26/01 (A)
M-13-00L	Submit 3 200 NPL RI/FS (RFI/CMS) Work Plans	12/31/01	12/26/01 (A)
M-15-40A	Complete U Pond/Z Ditches Cooling Water Group Field Work Through Sample Collection and Analysis	9/30/02	6/30/02 (F)
M-15-42B	Submit 200-TW-2 OU Draft A Remedial Investigation Report to Ecology	9/30/02	9/30/02 (F)
M-15-41B	Submit 200-TW-1 OU Draft A Remedial Investigation Report to EPA	10/30/02	10/30/02 (F)
M-13-00M	Submit 3 200 NPL RI/FS (RFI/CMS) Work Plans	12/31/02	12/31/02 (F)
M-20-39	Submit 216-S-10 Pond and Ditch Closure/Post Closure Plan to Ecology in Coordination with the Work Plan for the Chemical Sewer Group	2/28/03	2/28/03 (F)
M-15-38A	Submit Draft A Gable Mountain Pond/B Pond and Ditch Cooling Water Group Feasibility Study and 216-B-3 Pond System RCRA TSD Unit Closure Plan and Submit Draft A Gable Mountain Pond/B Pond and Ditch Cooling Water Group Proposed Plan/Proposed RCRA Permit Modification	3/31/03	3/31/03 (F)

PERFORMANCE OBJECTIVES:

PI	Task	Status
233-S*	• 8 vessels by 6/30/02 • 7 additional vessels by 6/30/02 (Stretch)	Vessel removal is expected to be completed ahead of schedule.

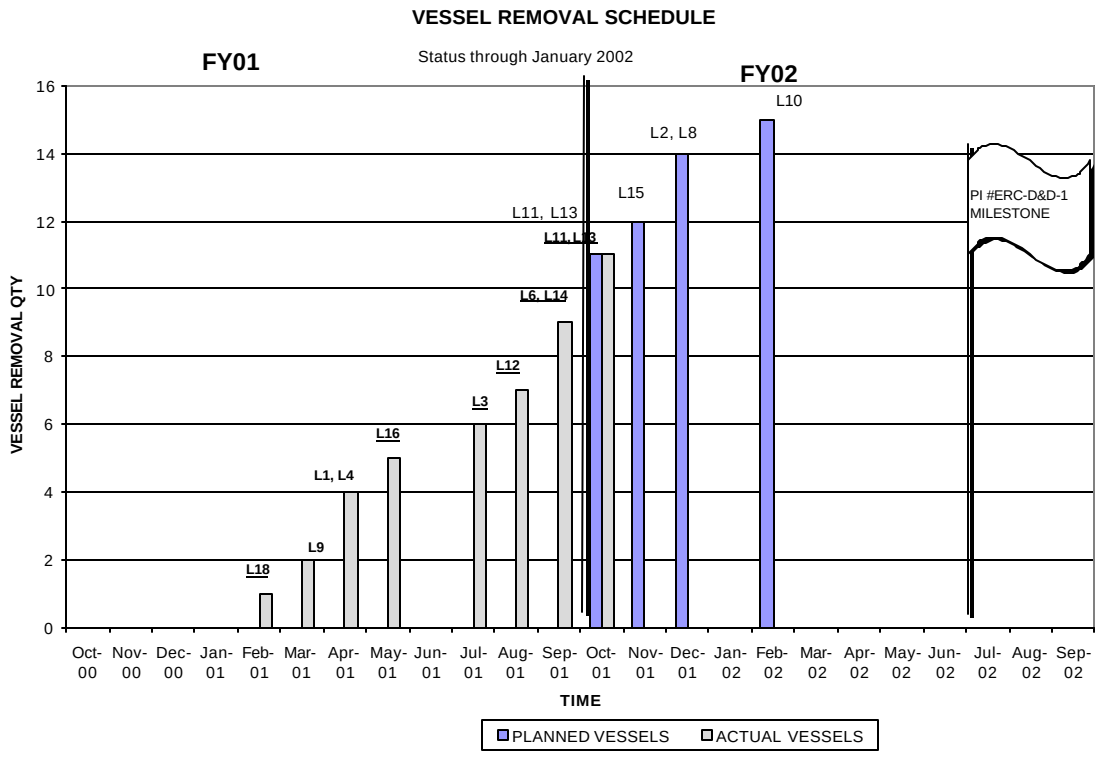
GREEN

*Multi-year PI developed in FY01. RL has not formally transmitted final FY02 PIs to BHI.

PERFORMANCE MEASURES/METRICS:

ERC identified two technologies for Central Plateau Transition to be deployed during FY02.

Technology Deployment	PBS	Planned Date	(F)/(A) Date
Passive Neutron Detector	CP01	3/31/02	3/31/02 (F)
Small-Diameter Geophysical Logging System	CP01	3/31/02	3/31/02 (F)



STRETCH AND SUPERSTRETCH GOALS:

RL has not formally transmitted final FY02 goals to BHI.

OUTCOME STATUS (COST/SCHEDULE):

Schedule:

Central Plateau Transition	BCWS	BCWP	Variance
	$K	$K	$K
CP01 200 Area Remediation	11,293	9,858	(1,435)
TOTAL Central Plateau Transition	**11,293**	**9,858**	**(1,435)**

PBS-CP01 – 200 Area Remediation
Schedule Variance = **($1435K); (12.7%)** [Last Month: ($1022K); (12.0%)]

Cause: PFP well drilling behind schedule due to off-center drilling at original site.

Resolution: Drilling relocated to alternate site, and expected to complete one month late.

Cause: 200-CS-1 test pit excavation put on hold due to unavailability of regulated excavator.

Resolution: Scope deferred into FY03 as part of GW/VZ Project rebaselining.

Cause: Hexone interim stabilization activities behind schedule due to regulator issue resolution and associated delay in reaching alternative regulator selection decision.

Resolution: Hexone tank stabilization alternative approved by regulators; resolution of final compliance issues expected in February. Recovery schedule will be implemented.

Cause: Process hood vessel waste disposal activities at 233-S facility D&D project behind schedule due to NDA issues requiring new subcontract placement.

Resolution: New NDA subcontract signed and work commenced. First waste shipment to Central Waste Complex (CWC) scheduled for March.

Cost:

Central Plateau Transition	FY02 EAC	BCWP	ACWP	Variance
	$K	$K	$K	$K
CP01 200 Area Remediation	34,072	9,858	9,670	188
TOTAL Central Plateau Transition	**34,072**	**9,858**	**9,670**	**188**

PBS-CP01 – 200 Area Remediation
Cost Variance = **$188K; 1.9%** [Last Month: $506K; 6.7%]

Cause: D&D at 233-S facility performed with fewer craft resources.

Resolution: Underrun reflected in EAC.

Cause: RARA material costs not yet accrued.

Resolution: Will monitor variance.

OUTCOME STATUS (COST/SCHEDULE) continued:

Cause: Preparation of 200-LW-1 and 200-MW-1 work plans in parallel resulted in shared resources and technical data underruns.

Resolution: Trend intiated.

Cause: 200-CS-1 test pit pre-job planning effort less than planned.

Resolution: Trend initiated.

ISSUES (REGULATORY/EXTERNAL/DOE):

Tri-Party Agreement **M-13-00x and M-20-xx Milestones:** Tri-Party Agreement Milestones M-13-00X require submittal of 3-4 work plans per year, such that the RI/FS's for the past practices waste sites will be completed by December 31, 2005. Tri-Party Agreement Milestones M-20-XX require the completion of RCRA closure plans by February 28, 2004.

Status: The tentative agreement for the Central Plateau (200 Area) negotiations (M-13, M-15, M-16, M-20 milestones) has been completed and approved by the Tri-Parties. Proposed change packages will undergo a public comment review period. Final approval of proposed changes is expected by June 5, 2002. Issue closed.

Standard Waste Box (SWB): The existing SWB Safety Analysis Report for Packaging (SARP) has not been revised in approximately nine years and no revisions are planned. Multiple Hanford Site contractors are procuring SWB containers to a drawing revision more recent than that listed in the SARP. Lack of an up-to-date SARP may preclude shipment of TRU waste to CWC.

Status: It has been determined the SWB SARP will not be included in the Hanford Site-wide Transportation Safety Document (TSD). A work order was prepared to obtain a DOE approved Package Specific Safety Document (PSSD) by March 15, or revision to the existing SWB SARP. The revision to the SARP has begun.

INTEGRATION ACTIVITIES:

None identified at this time.

Section D - Site Integration & Infrastructure

SS03 - Groundwater Management & Monitoring
SS04 - Groundwater/Vadose Zone Integration

Phase III ISRM
Barrier Well Installation

Cable Tool Drilling
at the 241-TX
Tank Farm

Data as of month-end January

SECTION D – SITE INTEGRATION & INFRASTRUCTURE

Data as of month-end January

ACCOMPLISHMENTS:

Groundwater Management and Monitoring (SS03):

The Liquid Effluent Retention Facility (LERF) Groundwater Evaluation Plan was submitted to RL for transmittal to the Washington State Department of Ecology (Ecology).

Groundwater/Vadose Zone Integration (SS04):

The revised semi-annual Congressional report was submitted to DOE (RL and HQ) for review.

The 3D groundwater model modifications were completed, which concluded Characterization of Systems (COS) support to SAC Rev. 0 for the system re-run.

The new SAC processors and analysis workstations that will be used to perform assessments were received in January. These components were assembled and are being tested. The backup tape drives and hard disks for data storage have not yet arrived. Testing and operating of the system will proceed with borrowed equipment. Use of this system will greatly reduce the time required to perform calculations for probabilistic assessments.

A workshop was held to update the existing technical elements in the S&T Roadmap. The workshop participants included other national laboratories, Hanford Site contractors, RL, regulators, Tribal Nations, and stakeholders.

MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS):

TPA Milestone	Description	Due Date	(F)/(A) Date
M-24-53	Install Two (2) Additional Wells at SST WMA TX-TY	12/31/01	11/8/01 (A)
M-24-54	Install One (1) Additional Well at SST WMA T	12/31/01	10/18/01 (A)
M-24-55	Install Two (2) Additional Wells at SST WMA S-SX	12/31/01	11/8/01 (A)
M-24-00M	Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 in Calendar Year 2001 if Required	12/31/01	11/8/01 (A)
M-24-00N	Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 in Calendar Year 2002 if Required	12/31/02	12/31/02 (F)

PERFORMANCE OBJECTIVES:

RL has not formally transmitted final FY02 PIs to BHI.

PERFORMANCE MEASURES/METRICS:

ERC identified one technology for Site Integration and Infrastructure to be deployed during FY02.

Technology Deployment	PBS	Planned Date	(F)/(A) Date
Advanced Tensiometer	SS04	3/31/02	3/31/02 (F)

STRETCH AND SUPERSTRETCH GOALS:

RL has not formally transmitted final FY02 goals to BHI.

OUTCOME STATUS (COST/SCHEDULE):

Schedule:

Site Integration & Infrastructure	BCWS	BCWP	Variance
	$K	$K	$K
SS03 – Groundwater Management & Monitoring	5,948	5,754	(194)
SS04 - Groundwater/Vadose Zone Integration	4,181	3,004	(1,177)
TOTAL Site Integration & Infrastructure	**10,129**	**8,758**	**(1,371)**

PBS-SS03 – Groundwater Management and Monitoring
Schedule Variance = **($194K); (3.3%)** [Last Month: ($159K); (3.4%)]

Cause: RL and regulator burial ground boundary discussions extended beyond planned completion date delaying monitoring network design.

Resolution: LLBG boundaries have been agreed upon and final status plan will be prepared during next two quarters.

PBS-SS04 – Groundwater/Vadose Zone Integration
Schedule Variance = **($1177K); (28.2%)** [Last Month: ($875K); (27.9%)]

Cause: S&T Roadmap workshops rescheduled to avoid other conflicts. Other S&T scope delayed due to staff availability and awaiting FY02 funding guidance.

Resolution: First workshop held in January and remaining workshop will occur in February. Other affected S&T scope addressed in GW/VZ Project rebaselining.

Cause: Late approval for purchase of SAC computer system.

Resolution: Delivery of computer system expected in February.

OUTCOME STATUS (COST/SCHEDULE) continued:

Cost:

Site Integration & Infrastructure	FY02 EAC	BCWP	ACWP	Variance
	$K	$K	$K	$K
SS03 – Groundwater Management & Monitoring	18,215	5,754	5,332	422
SS04 - Groundwater/Vadose Zone Integration	6,818	3,004	2,667	337
TOTAL Site Integration & Infrastructure	**25,033**	**8,758**	**7,999**	**759**

PBS-SS03 – Groundwater Management and Monitoring
Cost Variance = **$422K; 7.3%** [Last Month: $355K; 7.9%]

Cause: Underruns due to lower CY01 RCRA groundwater monitoring well installation subcontract costs, and cancellation of some offsite groundwater monitoring analyses.

Resolution: Underrun reflected in EAC.

PBS-SS04 – Groundwater/Vadose Zone Integration
Cost Variance = **$337K; 11.2%** [Last Month: $531K; 23.5%]

Cause: Underrun due to reduced effort for preparation of Congressional report and reduced HAB support.

Resolution: Underruns reflected in EAC.

ISSUES (REGULATORY/EXTERNAL/DOE):

None identified at this time.

INTEGRATION ACTIVITIES:

None identified at this time.