INFORMATION CLEARANCE FORM

A. Information Category

- ☐ Abstract
- ☐ Journal Article
- ☐ Summary
- ☒ Internet
- ☐ Visual Aid
- ☐ Software
- ☐ Full Paper
- ☒ Report
- ☐ Other _____

B. Document Number DOE/RL-99-83, Rev. 8

C. Title
Environmental Management Performance Report - September 2000

D. Internet Address www.hanford.gov/empr/toc.htm

E. Required Information

1. Is document potentially Classified? ☒ No ☐ Yes (MANDATORY)
   Manager's Signature Required
   If Yes _____ ☐ No ☐ Yes Classified
   ADC Signature Required
2. Internal Review Required? ☒ No ☐ Yes
   If Yes, Document Signatures Below
   Counsel _____
   Program _____
3. References in the Information are Applied Technology ☒ No ☐ Yes
   Export Controlled Information ☒ No ☐ Yes

4. Does Information Contain the Following: (MANDATORY)
   a. New or Novel (Patentable) Subject Matter? ☒ No ☐ Yes
      If "Yes", Disclosure No.: _____
   b. Information Received in Confidence, Such as Proprietary and/or Inventions?
      ☒ No ☐ Yes If "Yes", Affix Appropriate Legends/Notices.
   c. Copyrights? ☒ No ☐ Yes If "Yes", Attach Permission.
   d. Trademarks? ☐ No ☐ Yes If "Yes", Identify in Document.
5. Is Information requiring submission to OSTI? ☐ No ☒ Yes
   If Yes UC-_____ and B&R-_____
6. Release Level? ☒ Public ☐ Limited
7. Charge Code AJ60

F. Complete for a Journal Article

1. Title of Journal

G. Complete for a Presentation

1. Title for Conference or Meeting _____
2. Group Sponsoring _____
3. Date of Conference _____
4. City/State _____
5. Will Information be Published in Proceedings? ☐ No ☐ Yes
6. Will Material be Handed Out? ☐ No ☐ Yes

H. Author/Requestor
D.M.Eden
(Print and Sign)

Responsible Manager
L.E.Maiden
(Print and Sign)

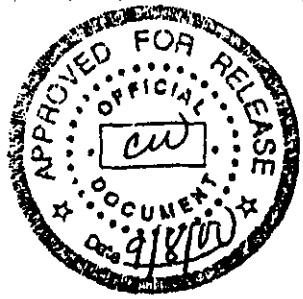
I. Reviewers

	Yes	Print	Signature	Public Y/N (If N, complete J)
General Counsel	☐			Y / N
Office of External Affairs	☐			Y / N
DOE-RL	☐			Y / N
Other	☒	C. Willingham	Chris Willingham	(Y) / N
Other	☐			Y / N

J. If Information Includes Sensitive Information and is not to be released to the Public Indicate category below.

- ☐ Applied Technology
- ☐ Personal/Private
- ☐ Proprietary
- ☐ Business-Sensitive
- ☐ Predecisional
- ☐ UCNI
- ☐ Protected CRADA
- ☐ Export Controlled
- ☐ Procurement-Sensitive
- ☐ Patentable
- ☐ Other (Specify) _____

Information Clearance Approval



K. If Additional Comments, Please Attach Separate Sheet

DOE/RL-99-83
Revision 8

Environmental Management Performance Report September 2000

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Project Hanford Management Contractor for the
U.S. Department of Energy under Contract DE-AC06-96RL13200

United States Department of Energy
P.O. Box 550
Richland, Washington 99352

DOE/RL-99-83
Revision 8

Environmental Management Performance Report September 2000

www.hanford.gov/empr/toc.htm

Date Published
September 2000

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Project Hanford Management Contractor for the
U.S. Department of Energy under Contract DE-AC06-96RL13200

United States Department of Energy
P.O. Box 550
Richland, Washington 99352

Christine Willingham 9/8/00
Release Approval Date

INTRODUCTION

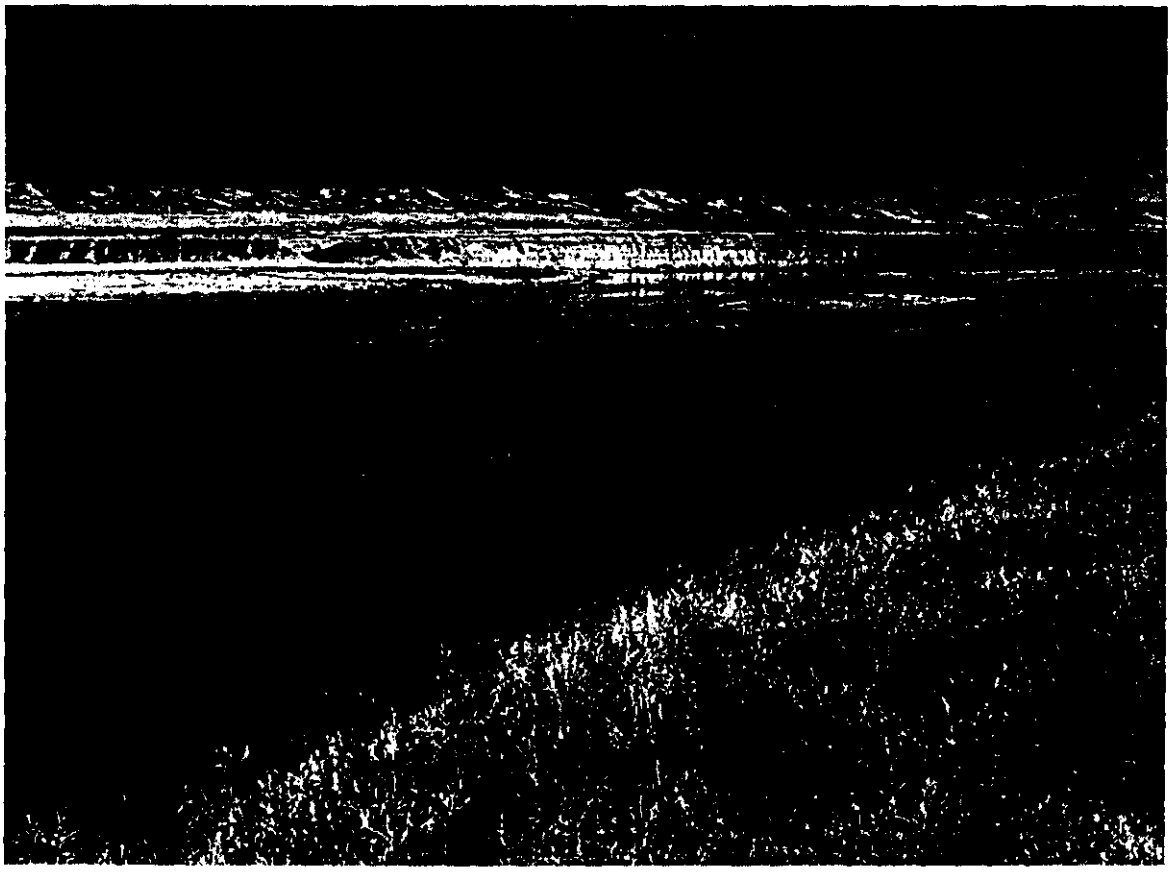
The purpose of the Environmental Management Performance Report (EMPR) is to provide the Department of Energy Richland Operations Office's (DOE-RL's) report of Hanford's Environmental Management (EM) performance by:

- Project Hanford Management Contract (PHMC) through Fluor Hanford, Inc. (FH) and its subcontractors,
- Environmental Restoration Contract through Bechtel Hanford, Inc. (BHI), and its subcontractors,
- Pacific Northwest National Laboratories (PNNL) for Science and Technology support to the EM Mission, and
- Office of Safety Regulation of the TWRS Privatization Contractor.

This report is a monthly publication that summarizes EM Site performance under RL Operations Office. It is organized by the four sections listed above, with each section containing an Executive Summary and Area Performance Summaries. A glossary of terms is provided at the end of this report for reference purposes.

The report date on the cover reflects the month in which the report is released.

Project Hanford Management Contractor Environmental Management Performance Report to DOE Richland Operations Office September 2000



Fluor Hanford
A Fluor Global Services Company

Table of Contents

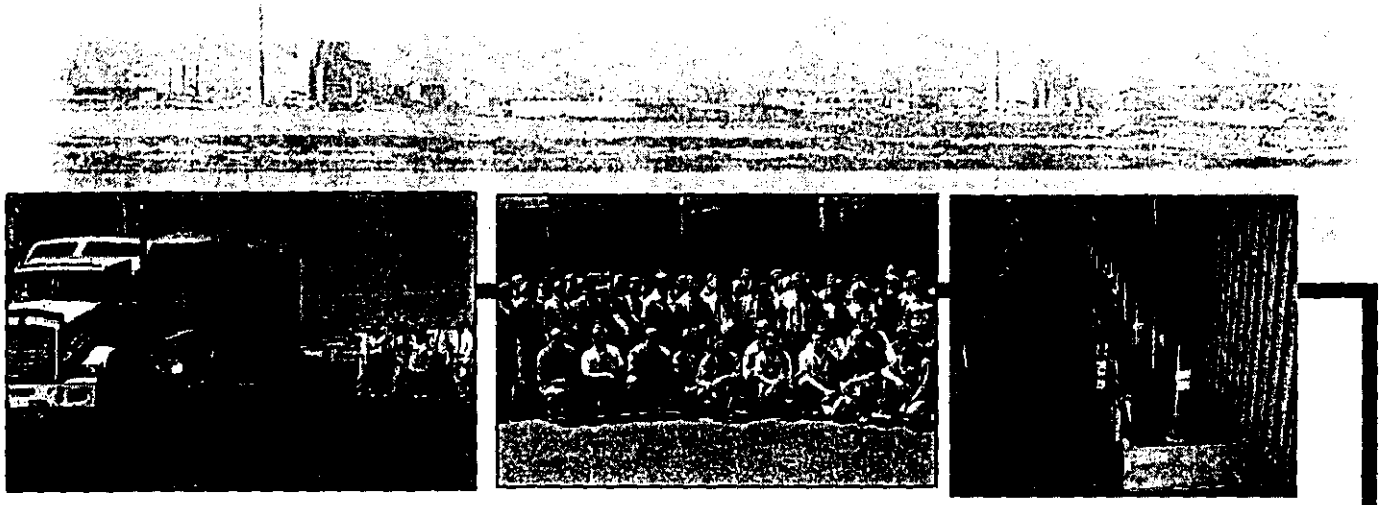
Section

INTRODUCTION

The purpose of this report is to provide the Department of Energy Richland Operations Office (DOE-RL) a monthly summary of the Project Hanford Management Contractor's (PHMC) Environmental Management (EM) performance by Fluor Hanford (FH) and its subcontractors. In addition to project-specific information, it includes some PHMC-level data not detailed elsewhere in the report.

Section A, Executive Summary, provides an executive level summary of the cost, schedule, and technical performance described in this report. It summarizes performance for the period covered, highlights areas worthy of management attention, and provides a forward look to some of the upcoming key performance activities as extracted from the PHMC baseline.

The remaining sections provide detailed performance data relative to each individual Project (e.g., Waste Management, Spent Nuclear Fuels, etc.), in support of Section A of the report. Unless otherwise noted, the Safety, Conduct of Operations, and Cost/Schedule data contained herein is as of July 31, 2000. All other information is updated as of August 24, unless otherwise noted. "Stoplight" boxes are used to indicate at a glance the condition of a particular area. Green boxes denote on schedule. Yellows denote behind schedule but recoverable. Red is either missed or unrecoverable.



Section A

Executive Summary

INTRODUCTION

This section provides an executive level summary of the performance information covered in this report and is intended to bring to Management's attention that information considered to be most noteworthy. All cost, schedule, milestone commitments, performance measures, and safety data is current as of July 31. Accomplishments, Issues and Integration items are current as of August 18 unless otherwise noted.

The section begins with a description of notable accomplishments that have occurred since the last report and are considered to have made the greatest contribution toward safe, timely, and cost-effective clean up. Following the accomplishment section is an overall fiscal year-to-date summary analysis addressing cost, schedule, and milestone performance. Overviews of safety ensue. The next segment of the Executive Summary, entitled Critical Issues, is designed to identify the high-level challenges to achieving cleanup progress.

The next section includes FY 2000 EM Management Commitment High Visibility Project Milestones and Critical Few Performance Measures.

The Key Integration Activities section follows next, highlighting PHMC activities that cross contractor boundaries and demonstrate the shared value of partnering with other Site entities to accomplish the work. Concluding the Executive Summary, a forward-looking synopsis of Upcoming Planned Key Events is provided.

NOTABLE ACCOMPLISHMENTS

- A ceremony celebrating the first TRU waste shipment to the Waste Isolation Pilot Plant (which left Hanford on July 12) was held on August 9, 2000. The second shipment remains scheduled for the week of August 24, 2000.

- Retrieval and designation of 425 suspect TRU drums were achieved with the completion of field assaying on August 3, 2000.

- Shipments for treatment of MLLW debris to ATG were completed on August 10, 2000. A total of 1,186 cubic meters (116 cubic meters in the past month) of waste was shipped to ATG representing 102% of the FY2000 shipment objective.

- As of August 18, 2000 a total of 477 cans of Plutonium oxides and sludges were stabilized through thermal stabilization (160 additional items since last report).

- Actions required to close out the B Plant transfer Memorandum of Agreement (MOA) with the Environmental Restoration Contract (Bechtel Hanford, Inc.) were completed 10 days ahead of the Washington State Department of Health (WDOH) due date of July 28, 2000. Effective August 9, 2000, Bechtel Hanford, Inc. has assumed full responsibility for surveillance and maintenance of B Plant and the associated ventilation system.

- A total of 32 Multi-Canister Overpacks (MCOs) were delivered to Hanford ahead of schedule. Fabrication of the MCO baskets continues at the 328 shop at the Hanford Site.

- "Project L-312, 2101M, MO-235, and Associated Buildings Storm Drainage Resolution" is complete. Completion of construction was one week ahead of the scheduled completion date of August 4, 2000. This milestone helps resolve storm drainage problems around facilities in 200 East and West Areas.

- "Project L-292, Emergency Preparedness Control Station (EPCS)" construction is complete. The installation of 100K/D Emergency Notification Sirens completed construction on schedule and is operational. Redundancies in the electronics will be installed to connect the Emergency Operations Center (EOC) to the sirens. These installations allow the sirens to automatically remain active in the event of a power failure. Due to unforeseen requirements at the Federal Building regarding mounting an antenna on the roof, the project will not close out until the end of September.

PERFORMANCE DATA AND ANALYSIS

The following provides a brief synopsis of overall PHMC Environmental Management (EM) cost, schedule, and milestone performance.

FY 2000 Cost and Schedule Performance

Cost Performance — Fiscal-year-to-date (FYTD) cost performance reflects a one percent ($4.7 million) unfavorable cost variance that is within the established +10/-5 percent threshold.

Schedule Performance — There is a FYTD four percent ($21.6 million) unfavorable schedule variance that is at the established +10/-7.5 percent threshold.

Baseline Performance Status

FY 2000 Cost / Schedule Performance – All Fund Types

Cumulative to Date Status ($M)

Data Through July 2000

		Current Fiscal Year Performance ($ x Million) FYTD					PEM	EAC
		BCWS	BCWP	ACWP	Schedule Variance	Cost Variance		
The Plateau								
1.2	Waste Management TP02,WM03-05	89.1	87.2	84.6	(1.9)	2.6	114.1	108.0
1.2.4	Analytical Svcs (222-S,HASP,WSCF) WM06	22.9	22.7	22.1	(0.2)	0.6	27.8	27.7
1.4.5	*Nuclear Materials Stabilization* TP05	102.7	87.7	99.4	(15.0)	(11.7)	124.3	123.0
	Subtotal The Plateau	**214.7**	**197.6**	**206.1**	**(17.1)**	**(8.5)**	**266.3**	**258.7**
The River								
1.4	River Corridor TP01,TP04,TP08,TP10,TP12,TP14	48.7	49.8	44.7	1.2	5.1	58.7	54.7
1.3	Spent Nuclear Fuel WM01	165.8	163.9	170.3	(1.8)	(6.3)	197.2	204.6
1.12	Advanced Reactors (EM)	1.3	1.2	1.1	(0.1)	0.1	1.7	1.3
	Technology Development *(EM-50)*	18.2	16.5	15.5	(1.7)	1.1	23.9	20.4
	Subtotal The River	**234.0**	**231.5**	**231.6**	**(2.4)**	**(0.0)**	**281.5**	**281.0**
The Future								
1.9	HAMMER HM01	4.8	4.6	4.3	(0.2)	0.3	5.9	5.9
	Subtotal The Future	**4.8**	**4.6**	**4.3**	**(0.2)**	**0.3**	**5.9**	**5.9**
Multiple Outcomes								
1.5	Landlord TP13	10.1	8.9	6.7	(1.2)	2.3	14.1	14.7
1.8	*Mission Support* OT01	19.2	18.4	18.5	(0.9)	(0.1)	23.3	25.0
1.11 & WM07	National Programs OT02, WM07	4.3	4.5	3.1	0.2	1.4	6.0	6.1
	Subtotal Multiple Outcomes	**33.6**	**31.8**	**28.2**	**(1.8)**	**3.5**	**43.3**	**45.8**
	Total PHMC Projects	**487.1**	**465.5**	**470.2**	**(21.6)**	**(4.7)**	**597.0**	**591.5**

Notes:
Column headings [Budgeted Cost of Work Scheduled (BCWS), Budgeted Cost of Work Performed (BCWP), Estimate At Completion (EAC), etc.] are defined in the glossary at the end of the report. Calculations are based on Project Baseline Summary detail. Waste Management, Analytical Services, River Corridor, and Nuclear Materials Stabilization have included RL-Directed costs (e.g. steam and laundry) in the Project Execution Module (PEM) BCWS. Advanced Reactors (EM) have included steam. Technology Development does not include ORP/RPP TTPs currently reported in the RL Dataset in PEM.

Funds Management — Although earned value measures are currently close to or within established thresholds, the PHMC is currently projecting a potential overrun in the Project Completion Control Point (see table of the following page). Project Fiscal Year Spend Forecast (FYSF) data continues to be analyzed in comparison to available funds, and recent trends indicate that without continued action, costs may exceed funds. Management has taken aggressive steps designed to correct this situation and preliminary data indicate that the actions are making significant contributions toward cost reductions. In addition, an internal reprogramming package was approved that transfers $5M from the Post 2006 control point to the Project Completion control point. This transfer helps balance the cost problem between the control points, but does

not totally resolve the overall funds management problem. The PHMC is working closely with RL to apply available funds to this Project Completion control point. A number of solutions including the reclassification of the 300 Area Accelerated Cleanup Plan, Hanford fire costs to the Post 2006 control point along with additional EM funds from other sources and continued reductions in FYSFs are in process and will be reflected in future reporting periods.

Funds Management

FUNDS VS. SPENDING FORECAST ($000)

(FLUOR HANFORD, INC. ONLY)

	Project Completion *			Post 2006 *			Line Items/Other *		
	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance
The Plateau									
1.2 Waste Management TP02,WM03-05				103,800	99,289	4,511			
1.2.4 Analytical Svcs (222-S,HASP,WSCF) WM08				26,461	26,474	(13)			
1.4.5 Nuclear Materials Stabilization TP05 Line Item	113,389	117,345	(3,956)				17,577	9,789	7,788
Subtotal The Plateau Operating	$ 113,389	$ 117,345	$ (3,956)	$ 130,261	$ 125,763	$ 4,498			
Subtotal The Plateau Line Item							$ 17,577	$ 9,789	$ 7,788
The River									
1.4 River Corridor TP01,TP04,TP06,TP10,TP12,TP14,WM05	47,754	48,488	(734)	5,168	4,920	248			
Line Item							278	159	119
1.3 Spent Nuclear Fuel WM01	176,075	181,944	(5,869)				22,669	22,669	-
Line Item							4,188	4,017	171
1.12 Advanced Reactors (EM)									
Subtotal The River Operating	$ 223,829	$ 230,432	$ (6,603)	$ 5,168	$ 4,920	$ 248			
Subtotal The River Line Item		-					$ 27,135	$ 26,845	$ 290
The Future			-						
1.9 HAMMER HM01				6,094	5,796	298			
Subtotal The Future				$ 6,094	$ 5,796	$ 298			
Multiple Outcomes									
1.5 Landlord TP13				13,932	13,615	317			
1.8 Mission Support OT01				16,569	16,139	430			
Inventory				8,386	7,386	1,000			
1.11 National Programs OT02, WM07							6,150	4,473	1,677
Subtotal Multiple Outcomes Operating				$ 38,887	$ 37,140	$ 1,747			
Subtotal Multiple Outcomes Line Item							$ 6,150	$ 4,473	$ 1,677
Subtotal PHMC Proj Operating	$ 337,218	$ 347,777	$ (10,559)	$ 180,410	$ 173,619	$ 6,791			
Subtotal PHMC Line Items/Other							$ 50,862	$ 41,107	$ 9,755
Proposed Solutions	$ 2,900	$ (10,448)	$ 13,348	$ -	$ 2,566	$ (2,566)		$ (2,274)	$ 2,274
Total PHMC	$ 340,118	$ 337,329	$ 2,789	$ 180,410	$ 176,185	$ 4,225	$ 50,862	$ 38,833	$ 12,029

* Control Point

Expected funds column reflects the total funds expected to be obligated to the PHMC contract by fiscal year end.

Notes:

This chart reflects FH Project structure, which divides certain PBS WM05 and TP12 between projects. This breakout is necessary to provide FH project managers with information specific to their areas of responsibility and accountability and to facilitate effective management of the funds within their control. Consequently, these figures will *differ from those shown elsewhere in this report (as generated in the PEM system).*

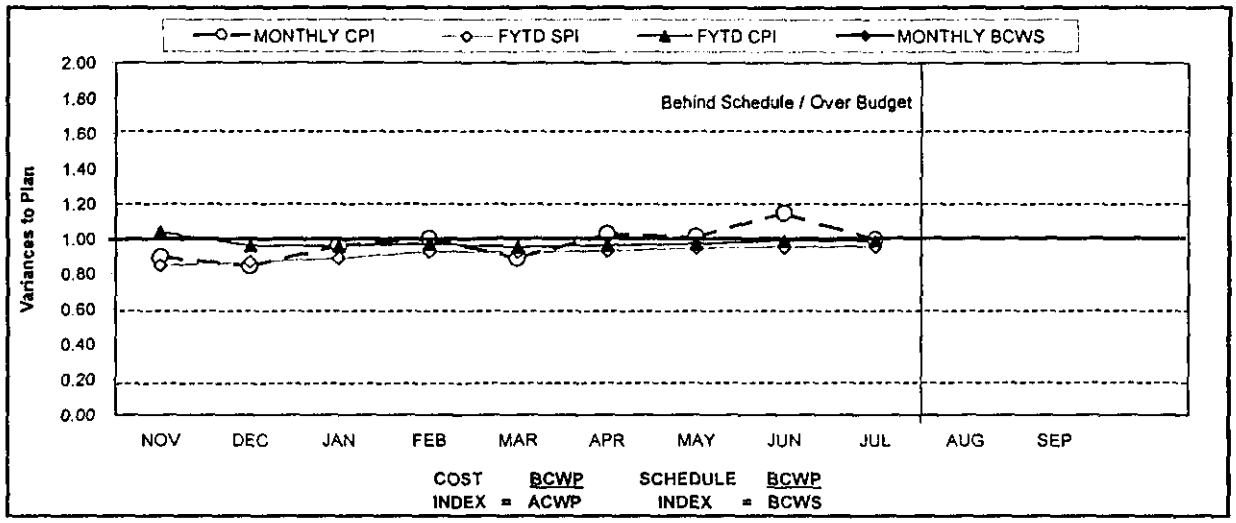
For purposes of funds management, the "Other" category includes all funding sources not suitable for redistribution within the Project Completion and Post 2006 control points.

The Landlord FYSF includes $2.1M carryover work scope.

The Mission Support Inventory reflects the estimated reserve needed to accommodate indirect commitments.

The following Cost/Schedule and Variance to Plan chart provides an overall graphical view of fiscal year to date cost and schedule performance.

FY 2000 Cost / Schedule Performance Cumulative to Date Status



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.90	0.82	0.90	0.95	1.06	0.92	0.97	1.04	1.00	0.97		
MONTHLY CPI	1.36	0.90	0.84	0.96	1.00	0.89	1.03	1.01	1.15	1.00		
FYTD SPI	0.90	0.85	0.87	0.89	0.93	0.92	0.93	0.95	0.95	0.96		
FYTD CPI	1.36	1.04	0.96	0.96	0.97	0.95	0.96	0.97	0.99	0.99		
MONTHLY BCWS	$ 32,549	$ 53,749	$ 43,002	$ 46,580	$ 47,980	$ 59,420	$ 52,063	$ 62,362	$ 46,232	$ 43,122	$ 54,516	$ 55,467
MONTHLY BCWP	$ 29,438	$ 43,863	$ 38,748	$ 44,295	$ 50,947	$ 54,698	$ 50,649	$ 64,672	$ 46,412	$ 41,781		
MONTHLY ACWP	$ 21,598	$ 49,006	$ 45,973	$ 46,037	$ 50,745	$ 61,462	$ 49,200	$ 63,799	$ 40,480	$ 41,919		
FYTD BCWS	$ 32,549	$ 86,298	$ 129,299	$ 175,880	$ 223,860	$ 283,280	$ 335,344	$ 397,706	$ 443,938	$ 487,060	$ 541,575	$ 597,042
FYTD BCWP	$ 29,438	$ 73,302	$ 112,049	$ 156,344	$ 207,291	$ 261,990	$ 312,639	$ 377,311	$ 423,723	$ 465,504		
FYTD ACWP	$ 21,598	$ 70,604	$ 116,577	$ 162,614	$ 213,359	$ 274,821	$ 324,021	$ 387,820	$ 428,301	$ 470,219		

Milestone Performance

Milestones represent significant events in project execution. They are established to provide a higher level of visibility to critical deliverables and to provide specific status about the accomplishment of these key events. Because of the relative importance of milestones, the ability to track and assess milestone performance provides an effective tool for managing the PHMC EM cleanup mission.

FYTD milestone performance (Enforceable Agreement [EA], U.S. Department of Energy-Headquarters [DOE-HQ], and RL) shows that 50 of 65 (77 percent) approved baseline milestones were completed on or ahead of schedule, 8 milestones (12 percent) were completed late, and 7 milestones (11 percent) are overdue. The seven overdue milestones are associated with three projects: Nuclear Material Stabilization—five, EM-50—one, and River Corridor—one. These overdue milestones do not share a common cause.

In addition to the FY2000 milestones described above, there are three overdue milestones (Waste Management and Nuclear Materials Stabilization Projects) from the prior fiscal year (FY1999). Further details regarding these milestones may be found in the Project Sections.

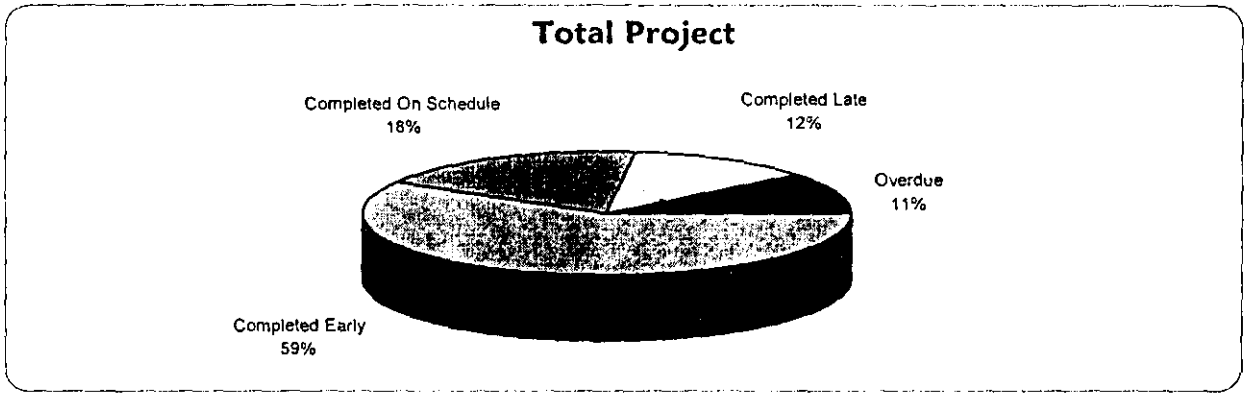
FY 2000 information is depicted graphically below and on the following page. For additional details related to the data in the graphs and prior year milestones, refer to the relevant project section titled "Milestone Exception Report."

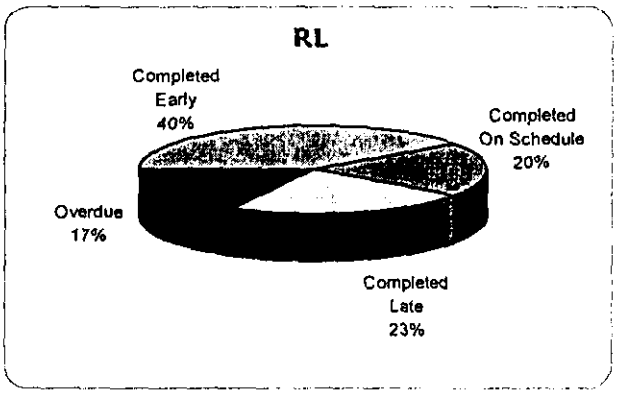
FY 2000 information reflects the current approved baseline. Changes in both the number and type of milestones from month to month are the result of Baseline Change Requests (BCRs) approved during the year.

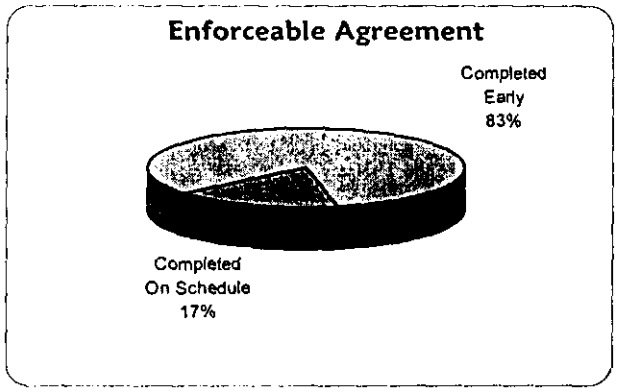
TOTAL ALL HANFORD PROJECTS

MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2000
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	24	5	0	0	0	3	0	32
DOE-HQ	0	0	0	1	0	1	1	3
RL	14	7	8	6	0	34	0	69
Total Project	38	12	8	7	0	38	1	104

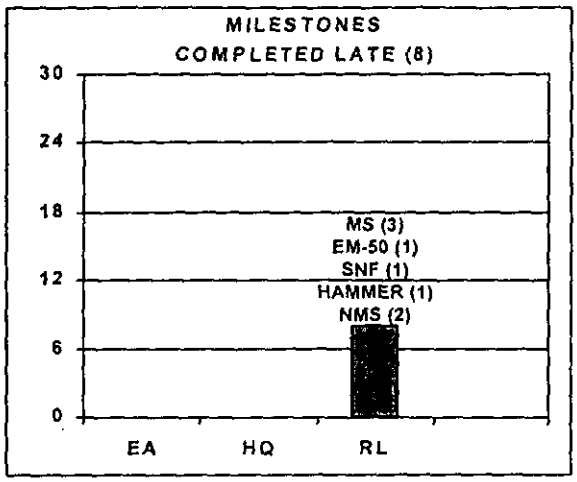


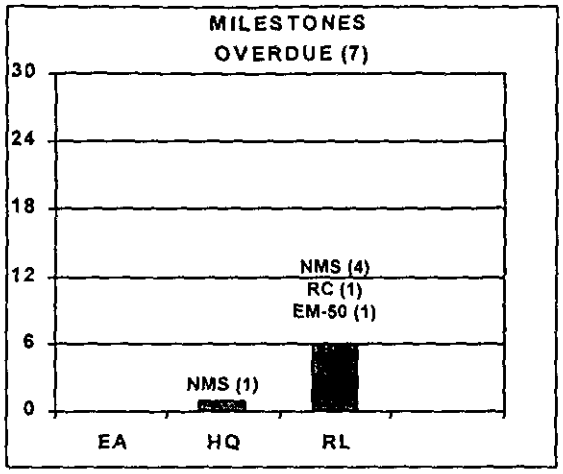




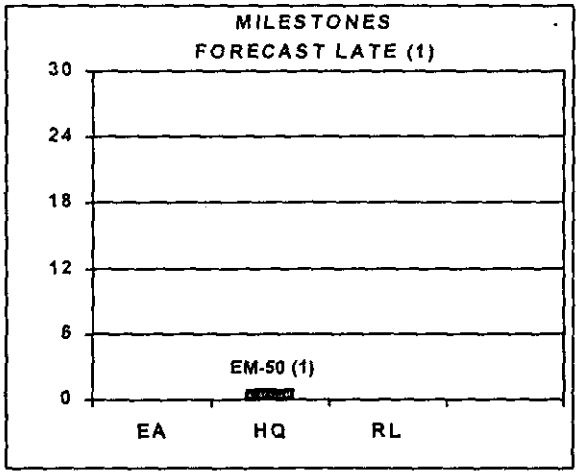
MILESTONE EXCEPTIONS

FISCAL YEAR TO DATE





REMAINING SCHEDULED



These charts provide detail by project and milestone level / type for milestones

- Completed Late
- Overdue
- Forecast Late
- Detailed information can be found in the individual project sections

SAFETY OVERVIEW

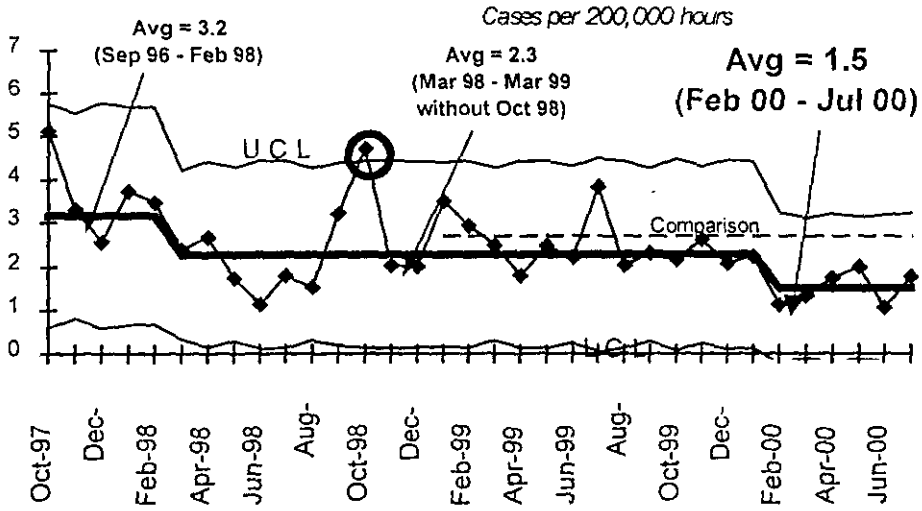
The focus of this section is to document trends in occurrences. Improvements in these rates are due to the efforts of the PHMC workforce as they implement the Integrated ES&H Management System (ISMS), work towards achieving Voluntary Protection Program (VPP) "star" status, and accomplish work through Enhanced Work Planning (EWP). Safety and health statistical data is presented in this section.

SIGNIFICANT SAFETY AND HEALTH EVENTS

Rates have been stable for over two years. This safety performance plateau has been recognized by the safety organizations, and Fluor Hanford kicked off its Integrated Safety Approach initiative on December 6, 1999 in order to take safety performance to a new level. This initiative focuses on the "people side" of accident prevention. Due to space constraints, FY1996 data is not portrayed on the following graphs.

Total OSHA Recordable Case Rate

Green



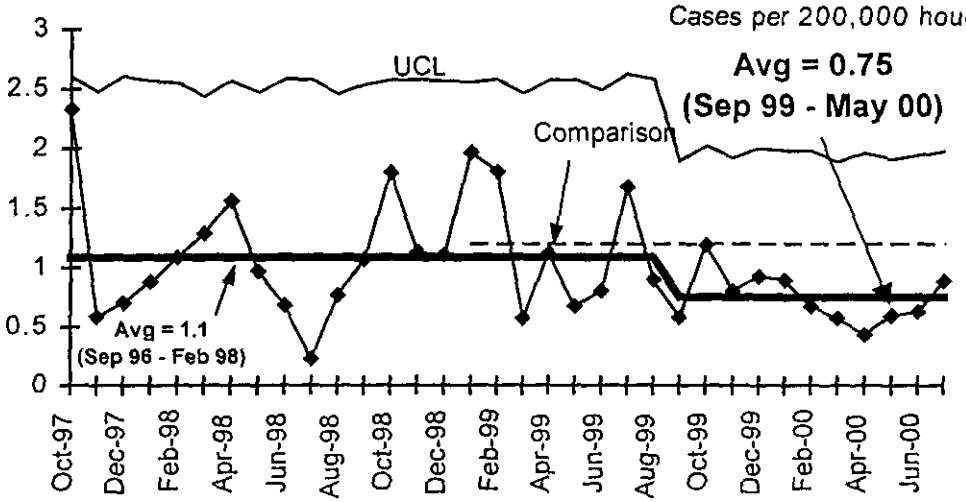
FY 1999 = 2.7
FY 2000 = 1.8
Contractor Comparison Average = 2.7 (CY99)
New average and control limits have been calculated reflecting the significant decrease noted last month.

FH implemented a program to target an OSHA Recordable Case Rate of 0.9. The Fluor Global Services goal is 1.0. This is in line with Fluor's corporate value of safety and our commitment to the safe clean-up of the Hanford Site.

The FH projects' Safety Improvement Plan activities have made noticeable contributions to an injury free work environment.

Reclassification of old cases has caused October 1998 to rise above the Upper Control Limit. The past baseline average which included October 1998 was re-adjusted to remove October 1998.

OSHA Lost/Restricted Workday Case Rate

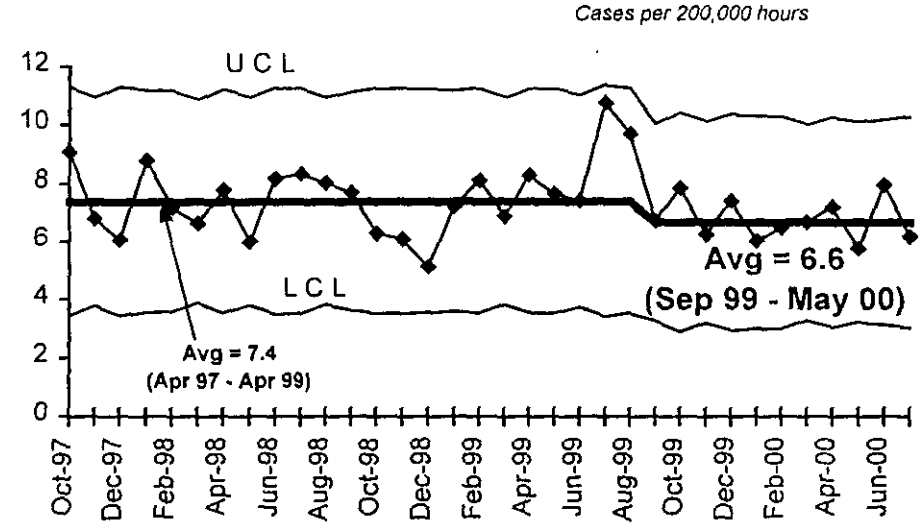


Green

FY 1999 = 1.2
FY 2000 to date = 0.7
Contractor Comparison Average = 1.2 (CY99)
Data continue to follow the current baseline average established for September 1999 - May 2000.

The FH Team has accumulated over 7 million safe work hours since mid-December 1999 without any new lost away workday cases.

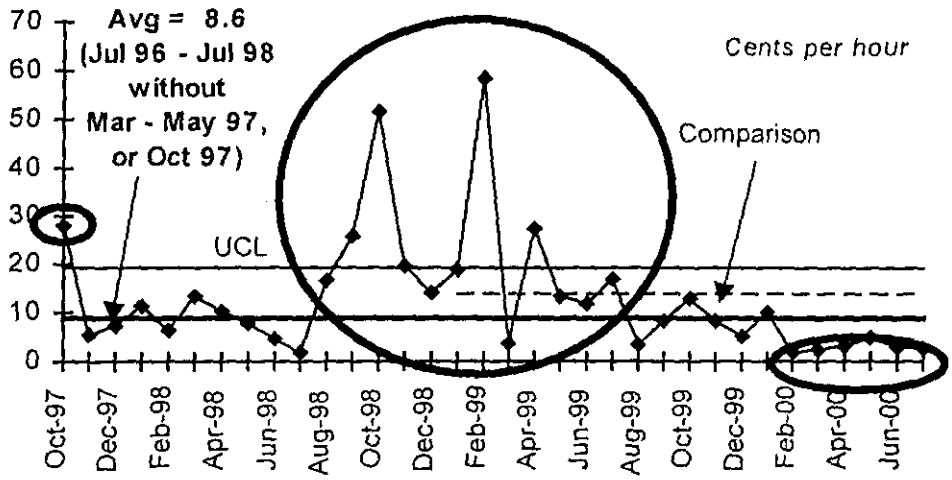
First Aid Case Rate



Green

First Aid Rate undergoes seasonal cycles. Increases occur in warmer weather due to insect and animal encounters, and due to wind related minor injuries. First Aid case rate has remained relatively stable, a good check that injuries are not being under-reported. A new baseline average has been established for this indicator. So far, there has not been an increase due to summer related injuries.

DOE Safety Cost Index



Green

FY 1999 = 17
FY 2000 to date = 5.3
Contractor Comparison Average = 13.9 (CY99)
There has been a long term cycle over the past three years of decreases for 7 to 9 months, followed by increases. The past six months have been one standard deviation below average. However, recent data may gain further lost or restricted days.

This indicator has been tracked by Fluor Hanford since the beginning of its contract (October 1996). The baseline average was established in 1998, and there has not been a sufficiently stable set of statistical data to change the baseline average since it was initially established.

CRITICAL ISSUES

- **WELDS ON CESIUM CAPSULES "QUESTIONABLE"**
  Waste Encapsulation Storage Facility (WESF) is scheduled to receive Cogema's report on the Type W overpack capsule welds in early September. Preliminary information indicates that Cogema's Level III NDE inspector has identified four of the 23 Type W overpack capsules as having "questionable" weld indications. These indications are related to very small voids/porosity in the weld area. This condition does not pose a problem with regard to the present containment integrity of these capsules. The results of Cogema's analysis will be evaluated to determine if any issues exist with respect to long-term storage in the WESF pool cells.

- **FIRE IMPACTS TO THE INTEGRATED SOIL, VEGETATION, AND ANIMAL CONTROL (ISVAC) PROGRAM**
  ISVAC program components for fire recovery plan are not currently included as part of the program. This includes control of soil erosion and reduction of blowing sand, control of tumbleweed and other noxious weed growth, and restoration of a productive habitat.

MANAGEMENT COMMITMENT MILESTONES AS OF JULY 31, 2000

Milestones	Due Date	Forecast Date	Actual Date	Status / Comments
Nuclear Materials Stabilization				
Submit FPF Tank 361 Core Sample Data to EPA (M-015-37B)	5/31/00	5/31/00	5/31/00	Complete
Begin Stab. of Pu Solutions via $Mg(OH)_2$	7/31/00	9/12/00		
Spent Nuclear Fuels				
Complete KW Cask Facility Mods (M-034-14A)	2/29/00	2/29/00	2/29/00	Complete
Commence Phased Startup Initiative Hot Testing	5/31/00	9/17/00		See note 1
Complete Phased Startup Initiative Testing	8/31/00	TBD[1]		
Waste Management				
Initiate TRU Shipment to WIPP	5/31/00	7/12/00	7/12/00	Complete

[1] Increased Management attention has been placed on this due to the delays in completing Phase I and II.

CRITICAL FEW PERFORMANCE MEASURES

Performance Measure	Status as of July 31, 2000
Spent Nuclear Fuel:	
Measure - Amount of fuel removed	
Declaration of Readiness to move Spent Nuclear Fuel	Yellow
Phased Startup Initiative Phases I & II	Red
Measure - Amount of SNF Stabilized	NA FY 2000
324/327 Building Deactivation:	
Measure - Number of buildings dispositioned	Green
Waste Management:	
Measure - Adequacy of waste management services support	
Number of analytical equivalent units (AEU's) analyzed	Green
Through-put efficiency of effluent treatment facility (ETF) gpm	Green
Number of 242-A evaporator campaigns completed	Green
Measure - Retrieve and ship TRU offsite	
Number of drums retrieved	Green
Number of shipments to WIPP	Green
Measure - MLLW Treated (m3)	Green
Measure - MLLW Disposed (m3)	Green
Measure - Clear three T-Plant canyon deck sections	Green
Measure - Remove two PUREX separation towers	Green
Plutonium Stabilization:	
Measure - Pu metal/oxides/other types dispositioned (items)	Yellow

Yellows noted above are behind schedule but recoverable. Red is either missed or unrecoverable. Details can be found in the Project Sections.

KEY INTEGRATION ACTIVITIES

The following are the key technical integration activities that are currently underway and cross project/contractor lines. These activities are being addressed by inter-discipline and inter-project groups and demonstrate that Hanford Site contractors are working together to accomplish the EM Clean up mission.

- Spent nuclear fuel (SNF) final disposition interface activities, including Office of Civilian Radiation Waste Management (OCRWM) Quality Assurance (QA) Program implementation, ongoing with National SNF Program.

- SNF Project fuel removal acceptance criteria and conceptual design reviews for 324 Building (B Cell) ongoing with River Corridor Project.

- K Basins sludge removal and Shippingport (PA) Pressurized Water Reactor Core 2 SNF conceptual design reviews ongoing with Waste Management Project.

- WM continues working with DOE-RL, DOE-HQ and other Sites to develop and define Hanford's role in disposing of waste from other sites. Hanford's role as one of the identified LLW/MLLW disposal sites for the Complex is yet to be fully defined.

- WM continues working with PNNL, EM-50 and Mixed Waste Focus Area (MWFA) to obtain funding in support of mixed waste processing.

- Nuclear Material Stabilization Project continues working with PNNL on activities associated with the $Mg(OH)_2$ process in order to accelerate the plutonium solution stabilization process, and polycube stabilization issues (gathering data for the SAR).

- Analytical Services continues to support ORP efforts to establish required analytical support for Waste Treatment Plant (WTP) operations.

- Landlord Project is supporting RL in establishing a Hanford Site Planning Advisory Board made up of cooperating agencies and Tribal representatives to support implementation of the Comprehensive Land Use Plan (CLUP).

- Landlord Project is supporting the RL realty officer in developing and administering Real Estate documents (e.g., licenses, leases, easements, and permits) for onsite and offsite contractors, agencies such as the U.S. Fish and Wildlife Service.

UPCOMING PLANNED KEY EVENTS

The following Key events are extracted from the authorized baseline and are currently expected to be accomplished during the next several months. Most are Enforceable Agreement (EA), HQ or DNFSB Milestones.

Waste Management:

- Accelerate Readiness to Receive Spent Nuclear Fuel K Basin Sludge.
  - Clear three sections of the T Plant Canyon deck by September 2000.
  - Complete entire deck clearing by the end of FY 2001.

Nuclear Materials Stabilization:

- Begin Pu solution stabilization via $Mg(OH)_2$ in September 2000.
  - Complete ORR and training activities for stabilization activities in room 230-C in September 2000.
- Continue metal stabilization processing in November 2000.

River Corridor Project:

- Issue the final report for the 300 Area Waste Acid Treatment System (WATS) Resource Conservation and Recovery Act (RCRA) Closure Activities by September 2000.
- Complete Removal of 324 Building Radiochemical Engineering Cell (REC) B Cell Mixed Waste (MW) and Equipment by November 2000.

Spent Nuclear Fuels:

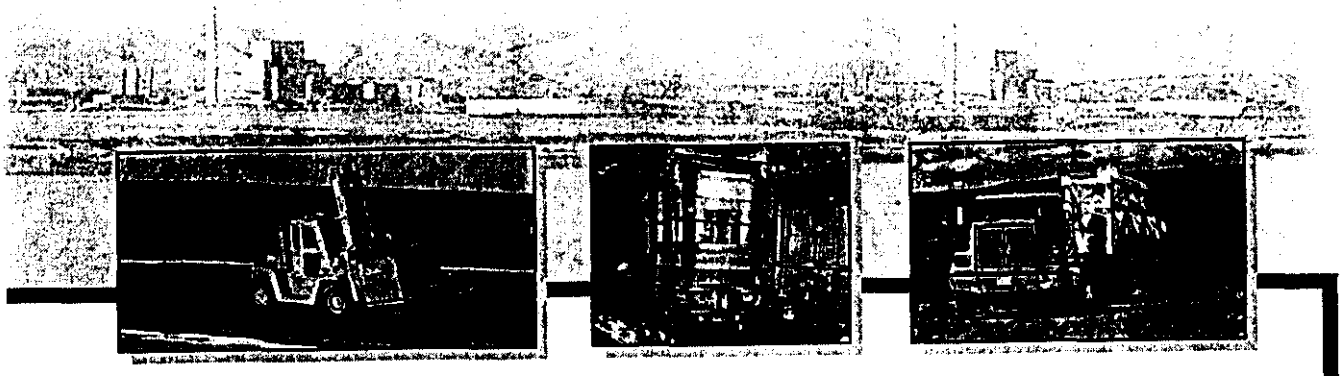
- Complete Cask Loadout System (CLS) startup testing by mid-September 2000.
- Complete integrated subsystem testing of the Cold Vacuum Drying facility by the end of September.
- Begin DOE Operational Readiness Review (ORR) for fuel removal by early October 2000.
- Begin K West Basin fuel removal, drying and storage operations by November 30, 2000.

Landlord

- Complete disposition of one well car for Project L-297, "Equipment Disposition Project" by September 8, 2000 (RL Milestone LLP-00-450).
- Complete Project L-292, "Emergency Preparedness Control Station (EPCS)" in September 2000. This project retrofits the 100K/D Sirens to the new control system and changes the frequency for all the outdoor Site sirens so they can be controlled from a central point.

The Plateau

Transitioning the central plateau for long-term waste management is a key part of the Hanford vision. Determining the disposition of the "canyon" facilities, deactivating the Plutonium Finishing Plant and disposing of solid waste are the desired outcomes. Projects included in The Plateau are Waste Management, Analytical Services, and Nuclear Material Stabilization.



Section B:1

Waste Management

PROJECT MANAGERS
G.H. Sanders, RL
(509) 376-6888

E.S. Aromi Jr., WMH
(509) 372-1033

SUMMARY

Waste Management consists of the Solid Waste Storage and Disposal, Project Baseline Summary (PBS) WM03, Work Breakdown Structure (WBS) 1.2.1; Solid Waste Treatment, PBS WM04, WBS 1.2.2; Liquid Effluents - 200 Area, PBS WM05, WBS 1.2.3.1; and the Waste Encapsulation and Storage Facility, PBS TP02, WBS 1.4.2.

PBS WM05 is divided between WBS 1.2.3.1, Liquid Effluents (200 LEF) and WBS 1.2.3.2, 310 TEDF/340 Facility (300 LEF). The 310 TEDF/340 Facility work scope is now included in the River Corridor Project, whereas the Liquid Effluents (200 LEF) work scope has remained in Waste Management. For the purpose of performance analysis, PBS WM05 is reported in its entirety in the Waste Management Project (WMP), which has the majority of the work scope and funding.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, Milestone Achievement, and Cost/Schedule data contained herein is as of July 31, 2000. Other data is updated as noted.

Fiscal-year-to-date milestone performance (EA, DOE-HQ and RL) shows that two milestones (100 percent) were completed ahead of schedule. Overall Project performance continues to be excellent. Cost and schedule goals are on track to be met.

ACCOMPLISHMENTS

- A ceremony celebrating the first TRU waste shipment to the Waste Isolation Pilot Plant (WIPP) was held on August 9, 2000. Approximately 150 people attended. The second shipment remains scheduled for the week of August 24, 2000. The Carlsbad Area Office (CAO) has indicated they may request a delay of the shipment to the first week in September to correlate to a WIPP visit by Secretary Richardson. The first revalidated Non-Destructive Examination (NDE) data package of containers processed prior to the WIPP Permit was provided to CAO for review. CAO has indicated that no deficiencies were identified in the package and has forwarded the package to New Mexico Environment Department.

- Retrieval and designation of 425 suspect TRU drums was achieved with the completion of field assaying on August 3, 2000. The validation of the assay data is in progress (due the week of September 9, 2000) that will complete the Performance Initiative (PI) expectation. Confirmation was received on $550K of EM-50 monies to be used to perform in-trench assay of suspect TRU waste next year. A technical task plan will be developed to manage these funds.

- Shipments for treatment of MLLW debris to Allied Technology Group, Inc. (ATG) were completed on August 10, 2000. A total of 1,186 cubic meters (116 cubic meters in the past month) of waste was shipped to ATG representing 102% of the FY2000 shipment objective. ATG has treated 750 cubic meters of this waste representing 65% of the FY 2000 treatment objective. Hanford has accepted 141 treated waste packages back from

ATG totaling 371 cubic meters that represents 57% of the FY 2000 disposal objective. In addition to the ATG activity, 42 cubic meters of 200 Area Liquid Effluent Facility (LEF) Land Disposal Restriction (LDR) compliant powders were shipped from the Central Waste Complex (CWC) to the Mixed Waste Trench for void-filling followed by disposal. To date, 25 cubic meters of this waste have been void-filled and disposed. All these activities together represent an effective CWC storage volume reduction of 1,910 cubic meters. (All data as of August 14, 2000).Waste Receiving and Processing (WRAP) production through August 11, 2000:

- Nondestructive examination of 133 drums current month (824 FYTD)
- Radiography on 1 box current month (28 FYTD)
- Nondestructive assays of 192 drums current month (883 FYTD)

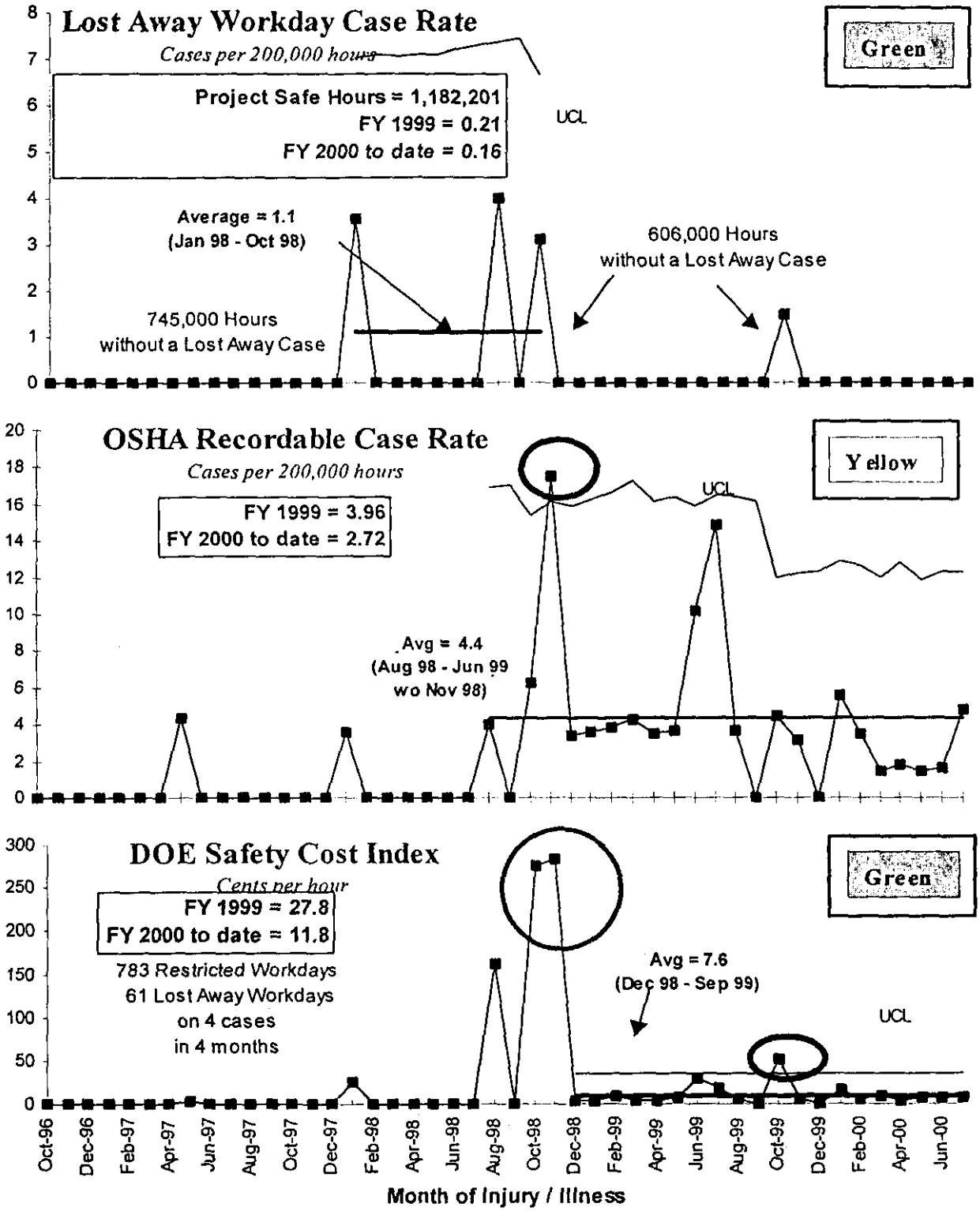
- Processed 0.6 million gallons this reporting period (16 million gallons FYTD) of wastewater through the 200 Effluent Treatment Facility supporting River Protection Project (RPP), Environmental Restoration Contract (ERC) 200-UP-1 Groundwater, N-Basin Water, Mixed Waste Trench Leachate, and Environmental Restoration Disposal Facility (ERDF) Leachate.

- DOE-HQ conducted a workshop to finalize a strategy for operation of the three DOE incinerators (Consolidated Incinerator Facility [CIF] at Savannah River Site, Toxic Substance Control Act Incinerator [TSCAI] at Oak Ridge, and Waste Experimental Reduction Facility [WERF] at Idaho). Incinerator operators and generators of waste requiring incineration met in Denver the week of August 14-18, 2000, to decide on the best course of action for continued operation of the DOE incinerators. The Savannah River incinerator began shut down last week. The incinerator at Idaho recently received a notice from the state of Idaho that its permit would not be renewed, and shutdown of that facility is imminent. Hanford is further ahead of most of the other sites in planning and implementation for mixed waste that requires thermal treatment.

- The report titled "*221-U Conceptual Structural Study (CSS) for the Canyon Disposition Initiative (CDI) HNF-6325, Rev. 0*" was formally issued and released for public distribution. The report concludes that the 221-U Canyon Building can conceptually withstand the structural loads associated with the entombment waste disposal alternatives postulated by the CDI.

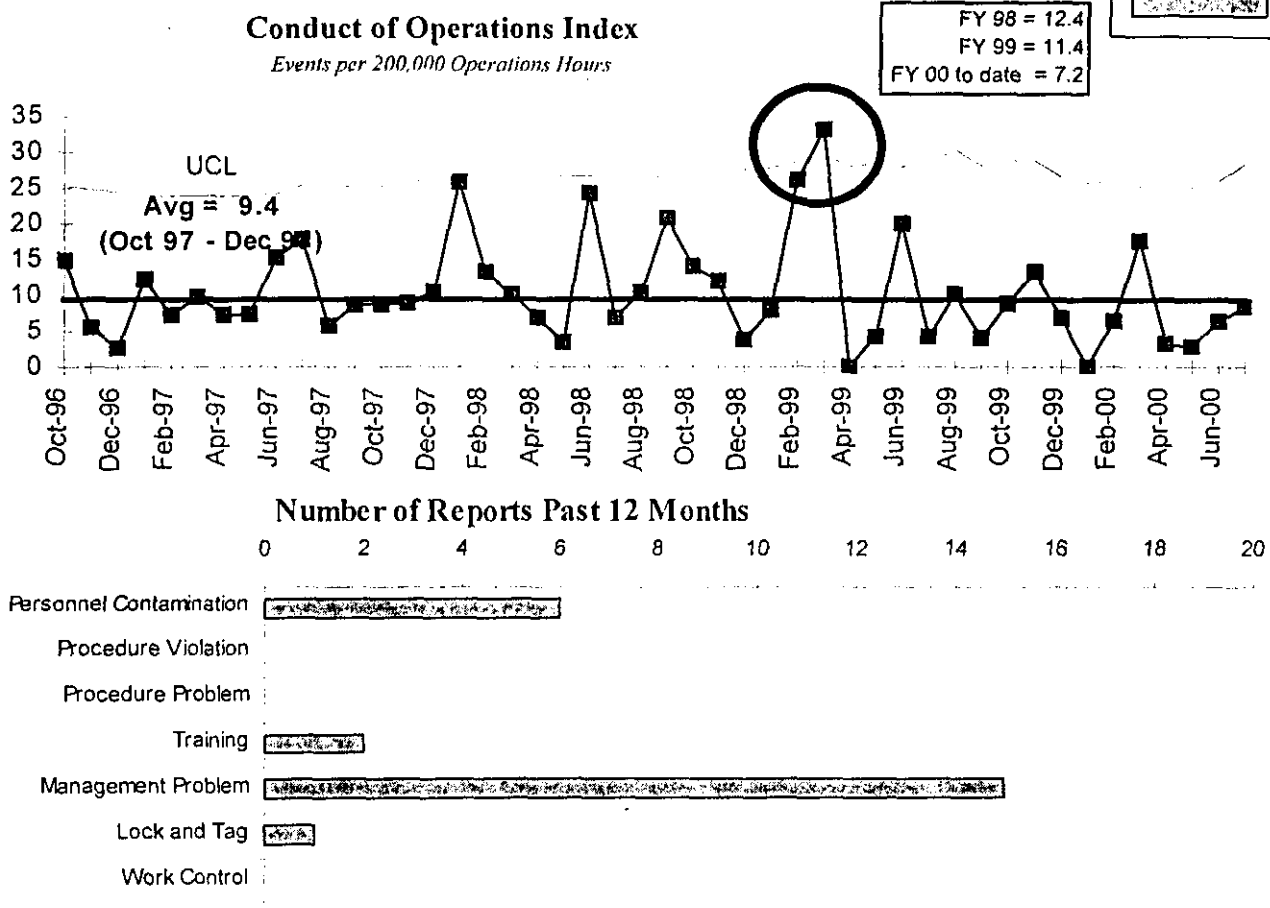
SAFETY

During the month of July, WMP experienced an increase in OSHA recordable injuries (3 for the month). The events were evaluated by the facility management and actions taken to correct the root and direct causes. To help galvanize attention on the prevention of employee injuries, a special focus meeting was held with all WMP Employee Zero Accident Council (EZAC) chairpersons, the facility managers, and facility safety professionals. Information on each of the injuries occurring on the project (year-to-date) was provided and the projects were requested to review and analyze the information, and develop corrective actions as appropriate to address issues identified.


Lost Away Workday Case Rate
Cases per 200,000 hours
Green
Project Safe Hours = 1,182,201
FY 1999 = 0.21
FY 2000 to date = 0.16
UCL
Average = 1.1
(Jan 98 - Oct 98)
606,000 Hours
without a Lost Away Case
745,000 Hours
without a Lost Away Case
OSHA Recordable Case Rate
Cases per 200,000 hours
Yellow
FY 1999 = 3.96
FY 2000 to date = 2.72
UCL
Avg = 4.4
(Aug 98 - Jun 99
wo Nov 98)
DOE Safety Cost Index
Cents per hour
Green
FY 1999 = 27.8
FY 2000 to date = 11.8
783 Restricted Workdays
61 Lost Away Workdays
on 4 cases
in 4 months
Avg = 7.6
(Dec 98 - Sep 99)
UCL
Oct-96
Dec-96
Feb-97
Apr-97
Jun-97
Aug-97
Oct-97
Dec-97
Feb-98
Apr-98
Jun-98
Aug-98
Oct-98
Dec-98
Feb-99
Apr-99
Jun-99
Aug-99
Oct-99
Dec-99
Feb-00
Apr-00
Jun-00
Month of Injury / Illness

CONDUCT OF OPERATIONS / ISMS STATUS

Green



ISMS STATUS

Green

Completed Activity: Supported successful completion of the Phase II verification of ISMS.

Planned Action:

- Define required corrective actions identified in the 43 concerns grouped into ten Opportunities for Improvement by the DOE Verification Team and track to closure.
- Submit Corrective Action Plans for the ten Opportunities for Improvement, which are due 45 days from the date of signature (August 3, 2000).
- Establish Deficiency Evaluation Group (DEG) teams and begin the DEG process.
- The WMP / AS system descriptions are being re-written, in response to a Phase I finding. The final product is due September 30, 2000.
- Prepare the Sustain and Maintain Plan for ISMS.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs

Green

Remote-Handled TRU WIPP Waste Acceptance: A meeting was attended in Oak Ridge to discuss WIPP Waste Acceptance Criteria (WAC) for remote handled (RH) TRU waste. Discussions centered on sticking only to the WIPP RCRA Part B and Land Withdrawal Act requirements. If successful, waste characterization costs at Hanford will be minimized, as well as employee exposures (per ALARA).

Opportunities for Improvement

Green

Waste and Materials Disposition [except Plutonium (Pu)] Team: RL is assessing the framework under which it can maximize its cleanup while working to incorporate a "realistic" funding profile over the next ten to fifteen years. Consistent with the RL outcomes, the priority is the achievement of the River Corridor Outcome by 2010, or shortly thereafter. Guidance for re-sequencing of the current baseline activities in the 200 Areas will result. The Waste Management Project is leading the Waste and Materials Disposition (except Pu) Team to identify opportunities for improvement. A combination of delayed TRU waste retrieval and M-91 facility delay were the only options evaluated. A consolidated report of the five separate teams that prepared studies is expected to be available from the RL-lead task force.

UPCOMING ACTIVITIES

WIPP Certification and Waste Shipments — Ramp-up shipment of Hanford TRU waste to the Waste Isolation Pilot Plant (WIPP). Establish recovery path of the Non-Destructive Examination/Visual Examination (NDE/VE) data generated prior to the WIPP Permit to support the third shipment to WIPP, which is scheduled for September 20.

Remote-Handled TRU Project Management Plan (PMP) — Support RL during the 45- day regulator comment period (which ended August 14), and assist RL in dispositioning comments.

MLLW Treatment — Dispose of the Land Disposal Restriction compliant waste by September 2000.

Accelerate Readiness to Receive Spent Nuclear Fuel K Basin Sludge

- Clear three sections of the T Plant Canyon deck by September 2000 and complete entire deck clearing by FY 2001.
- Complete Project Execution Plan and Conceptual Design Documents for removal of Shippingport (PA) Fuel from T Plant by September 2000.
- Develop design requirements for acceptance of K Basin sludge at T Plant by September 2000.
- Complete safety basis documentation and long lead procurements in FY 2001. Install handling, drying and loading equipment in FY 2001.
- Complete procedures, training, and Operations Readiness Review (ORR); complete Shippingport fuel movement out of T Plant in FY 2002.

Land Disposal Restriction Report — Support RL during the 45-day regulator comment period.

616 Facility Closure — Work to close 616 facility to start in August.

COST PERFORMANCE ($M):

	BCWP	ACWP	VARIANCE
Waste Management	$87.2	$84.6	$2.6

The $2.6 million (3 percent) favorable cost variance is within the established threshold. Further information at the PBS level can be found in the following Cost Variance Analysis details.

SCHEDULE PERFORMANCE ($M):

	BCWP	BCWS	VARIANCE
Waste Management	$87.2	$89.1	- $1.9

The $1.9 million (2 percent) unfavorable schedule variance is within established threshold. Further information at the PBS level can be found in the following Schedule Variance Analysis details.

FY 2000 COST/SCHEDULE PERFORMANCE – ALL FUND TYPES
CUMULATIVE TO DATE STATUS – ($000)

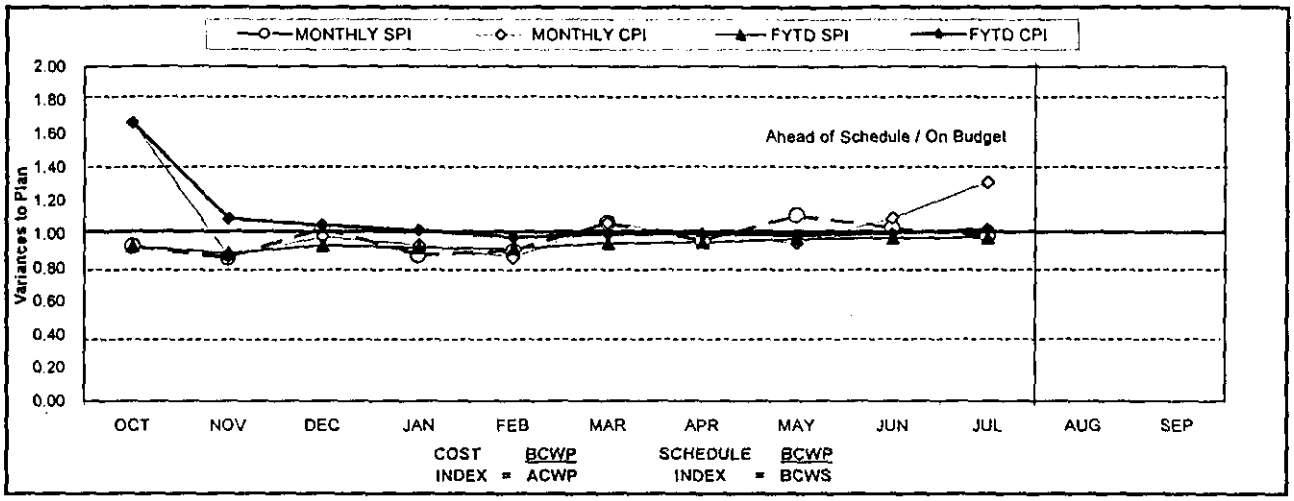
Green

	By PBS	FYTD BCWS	BCWP	ACWP	SV	%	CV	%	PEM	EAC
PBS WM03 WBS 1.2.1	Solid Waste Storage & Disposal	$ 28,986	$ 29,015	$ 27,287	$ 29	0%	$ 1,728	6%	$ 37,857	$ 35,502
PBS WM04 WBS 1.2.2	Solid Waste Treatment	$ 28,063	$ 26,832	$ 27,008	$ (1,231)	-4%	$ (176)	-1%	$ 36,148	$ 34,370
PBS WM05* WBS 1.2.3	Liquid Effluents - 200/300 Area	$ 21,914	$ 21,353	$ 20,195	$ (561)	-3%	$ 1,158	5%	$ 27,392	$ 25,609
PBS TP02 WBS 1.4.2	WESF	$ 10,153	$ 9,984	$ 10,054	$ (169)	-2%	$ (70)	-1%	$ 12,748	$ 12,538
	Total	$ 89,116	$ 87,183	$ 84,544	$ (1,933)	-2%	$ 2,640	3%	$ 114,146	$ 108,019

PBS WM05 includes the 300 Area Liquid Effluent, which is part of the River Corridor Project.
RL-Directed costs (steam and laundry) are included in the Project Execution Module (PEM) BCWS.

COST/SCHEDULE PERFORMANCE INDICES (MONTHLY AND FYTD)

Green



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.93	0.86	1.03	0.88	0.90	1.07	0.96	1.11	1.04	0.99		
MONTHLY CPI	1.66	0.87	0.98	0.94	0.86	1.07	0.99	0.94	1.10	1.31		
FYTD SPI	0.93	0.89	0.93	0.92	0.91	0.95	0.95	0.97	0.98	0.98		
FYTD CPI	1.66	1.09	1.05	1.02	0.98	1.00	1.00	0.99	1.00	1.03		
MONTHLY BCWS	$ 6,641	$ 9,616	$ 7,269	$ 8,331	$ 8,862	$ 10,686	$ 8,906	$ 9,121	$ 9,646	$ 10,040	$ 12,617	$ 12,412
MONTHLY BCWP	$ 6,163	$ 8,277	$ 7,499	$ 7,291	$ 7,973	$ 11,406	$ 8,514	$ 10,136	$ 10,012	$ 9,913		
MONTHLY ACWP	$ 3,703	$ 9,520	$ 7,619	$ 7,789	$ 9,270	$ 10,685	$ 8,562	$ 10,729	$ 9,110	$ 7,557		
FYTD BCWS	$ 6,641	$ 16,257	$ 23,526	$ 31,857	$ 40,719	$ 51,404	$ 60,310	$ 69,431	$ 79,076	$ 89,117	$ 101,734	$ 114,146
FYTD BCWP	$ 6,163	$ 14,440	$ 21,939	$ 29,230	$ 37,203	$ 48,609	$ 57,123	$ 67,259	$ 77,270	$ 87,183		
FYTD ACWP	$ 3,703	$ 13,223	$ 20,842	$ 28,631	$ 37,901	$ 48,586	$ 57,148	$ 67,877	$ 76,987	$ 84,544		

COST VARIANCE ANALYSIS: ($2.6M)

WBS/PBS **Title**

1.2.1/WM03 Solid Waste Storage & Disposal

Description/Cause: The favorable cost variance of $1.7M (6 percent) is within the established threshold.

Impact: No impact.

Corrective Action: No action required.

1.2.2/WM04 Solid Waste Treatment

Description/Cause: The unfavorable cost variance of $0.2M (1 percent) is within the established threshold.

Impact: No impact.

Corrective Action: No action required.

1.2.3.1/WM05 Liquid Effluents

Description/Cause: The favorable cost variance of $1.2M (5 percent) is within the established threshold.

Impact: No impact.

Corrective Action: No corrective action required.

1.4.2/TP02 **WESF**
Description/Cause: The unfavorable cost variance of $0.01M (1 percent) is within the established threshold.
Impact: No impact.
Corrective Action: No corrective action required.

SCHEDULE VARIANCE ANALYSIS: (-$1.9M)

WBS/PBS **Title**

1.2.1/ WM03 **Solid Waste Storage & Disposal**
Description /Cause: The unfavorable schedule variance of $0M (0 percent) is within the established threshold.
Impact: No Impact.
Corrective Action: No corrective action required.

1.2.2/ WM04 **Solid Waste Treatment**
Description /Cause: The unfavorable schedule variance of $1.2M (4 percent) is within the established threshold.
Impact: No Impact.
Corrective Action: No corrective action required.

1.2.3.1/ WM05 **Liquid Effluents**
Description /Cause: The unfavorable schedule variance of $0.6M (3 percent) is within the established threshold.
Impact: No Impact.
Corrective Action: No corrective action required.

1.4.2/ TP02 **WESF**
Description /Cause: The unfavorable schedule variance of $0.2M (2 percent) is within the established threshold.
Impact: No Impact.
Corrective Action: No corrective action required.

FUNDS MANAGEMENT
FUNDS VS SPENDING FORECAST ($000)
FY TO DATE THROUGH JULY 2000
(FLUOR HANFORD, INC. ONLY)

	Project Completion *			Post 2006 *			Line Items *		
	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance
The Plateau									
1.2 Waste Management									
TP02,WM03-05				$ 103,800	$ 99,289	$ 4,511			
Line Item									
Total Waste Mgt. Operating				$ 103,800	$ 99,289	$ 4,511			
Total Waste Mgt. Line Item									

* Control Point

ISSUES

Technical Issues

WESF is scheduled to receive Cogema's report on the Type W overpack capsule welds in early September.

Impact (s): Preliminary information indicates that Cogema's Level III Non-Destructive Examination (NDE) inspector has identified four of the 23 Type W overpack capsules as having "questionable" weld indications. These indications are related to very small voids/porosity in the weld area. This condition does not pose a problem with regard to the present containment integrity of these capsules.

Corrective Action: The results of Cogema's analysis will be evaluated to determine if any issues exist with respect to long-term storage in the WESF pool cells.

DOE/Regulator/External Issues

The Waste Management Programmatic Environmental Impact Statement (PEIS) was issued on February 25, 2000. These Records of Decision (ROD) for low-level waste (LLW) and mixed low-level waste (MLLW) will affect Hanford's disposal role for the Complex and the ROD outcomes may have a significant impact on disposal volumes and rates at Hanford. DOE-HQ and WDOE negotiations continue; impacts depend upon results of these negotiations.

Hanford's TRU Project continues working with the Carlsbad Area Office (CAO), the Environmental Protection Agency (EPA) and the New Mexico Environment Department (NMED) to determine the appropriate path forward for recovery of the Nondestructive Examination/Value Engineering (NDE/VE) data generated prior to the WIPP Permit. Additional conference calls were held with CAO to determine the appropriate path forward for recovery of the NDE/VE data generated prior to the WIPP Permit. CAO commitments to provide compliance matrices necessary to initiate the Hanford data evaluations were not met. The lack of consistency from CAO and failure to provide needed information has delayed

initiation of the data recovery. CAO finally concurred with the proposed Hanford path forward for data recovery, and NDE data recovery efforts were initiated immediately. The method requires review of the original videotape and data by a qualified operator, completion of new batch data reports in accordance with current procedures, and validation of the batch data reports in accordance with the current CAO Weekly Report (for the week ending July 14, 2000) procedures. Schedules for bringing all the "old" data forward are being developed based on the accepted method.

Substantial areas of disagreement still exist between DOE-RL and Washington State Department of Ecology (Ecology) on the required scope and content of the Annual Land Disposal Restrictions (LDR) Submittal for Mixed Wastes as delineated in the Final Determination issued by the Director of Ecology on March 29, 2000. RL is appealing certain aspects of the Ecology requirements, with formalized hearings scheduled for early in calendar year 2001. As a result of RL's July 31, 2000 submittal of the LDR report, Ecology responded with an August 4, 2000 letter that said the report fails to meet requirements of the Final Determination. Because RL did not intend to meet all of the requirements, due to cost, legal requirements, and other factors, receipt of this letter was not a surprise. Contractor personnel met with RL on August 11, 2000 and decided to send a letter to Ecology stating that RL is ready and willing to work with Ecology on the areas of disagreement. The contractor continues to support RL in resolving this issue.

Ecology continues to delay issuance of Modification E of the Hanford Facility RCRA Permit. Ecology has stated that the permit will not be issued in July, and probably not in August. Modification E will incorporate the CWC and the 616 Non-radioactive Dangerous Waste Storage Facility (NRDWSF) Closure Plan into the RCRA Permit.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS ($000)

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY00 COST IMPACT $000	SCH	TECH	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
WM-2000-003R1	7/13800	T-Plant Canyon Deck Clean off and PWR Fuel Removal	$ 3,534			07/25/00	08/02/00	06/01/00	At DOE-RL
WM-2000-005R1	7/17/00	WMP FY 2000 Repricing Impacts	$ 1,095			07/25/00	08/02/00		At DOE-RL
WM-2000-006	3/21/00	TRU Project Rebaselining	$ -			06/08/00	06/08/00		At DOE-RL
WM-2000-015	7/26/00	WMP FY 2001 MYWP Revision	$ -						At CCB
ADVANCE WORK AUTHORIZATIONS									
		None at this time							

MILESTONE ACHIEVEMENT

Green

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	TOTAL FY 2000
Enforceable Agreement	2	0	0	0	0	0	0	2
DOE-HQ	0	0	0	0	0	0	0	0
RL	0	0	0	0	0	8	0	8
Total Project	2	0	0	0	0	8	0	10

Tri-Party Agreement / EA Milestones

Number	Milestone Title	Status
M-91-03 (WMH-00-001)	**Issue TRU/TRUM Waste PMP**	**due 06/30/00** — Completed 6/29/2000 (stretch)
M-91-04 (A2J-00-001)	**Complete Construction of CH TRU/TRUM Retrieval Facility**	**due 09/29/00** — DOE-RL issued a letter to Ecology on February 29, 2000 documenting closure of the TPA milestone as retrieval has been initiated and is planned to continue, even without construction of Project W-113 facilities.

DNFSB Commitments

	Nothing to report.	

MILESTONE EXCEPTION REPORT

Number/WBS	Level	Milestone Title	Baseline Date	Forecast Date

OVERDUE – 0

FORECAST LATE – 0

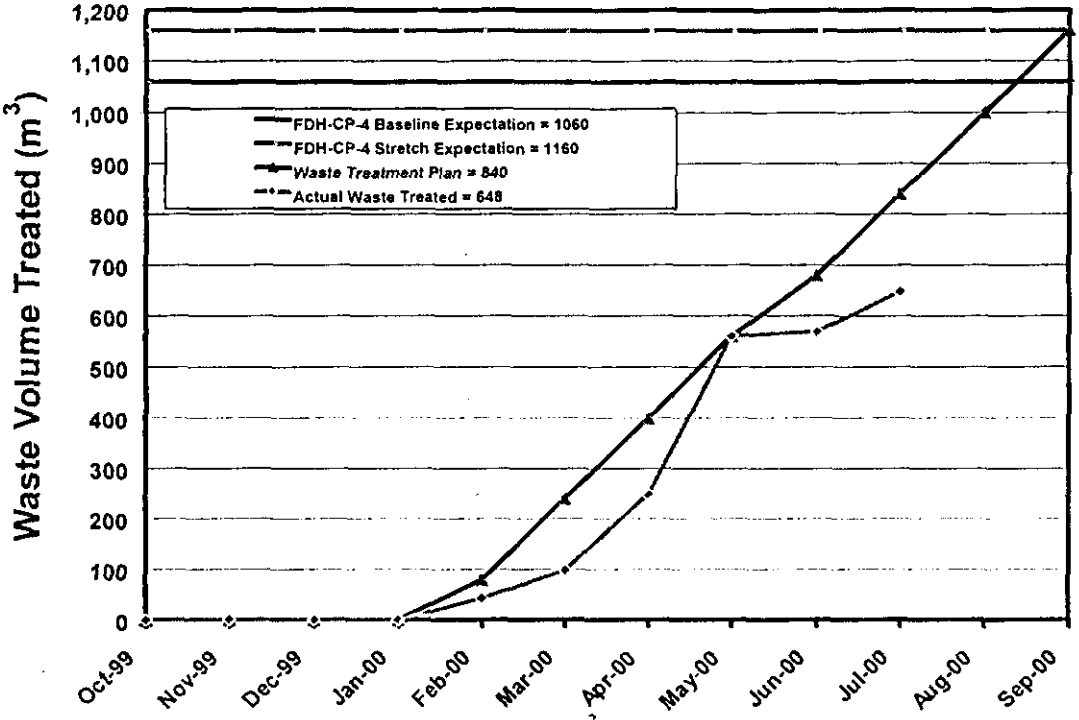
FY 1999 OVERDUE – 1

TRP-98-709 1.4.2	RL	Complete Hot Cell Deactivation WESF Facility (A-E)	03/31/99	09/30/00

Cause: This milestone is not complete due to not being supported at the current funding level.
Impact: No overall impact is expected.
Corrective Action: Return-on-Investment (ROI) funding has been identified for this work scope and a new forecasted completion date of September 30, 2000 established.

PERFORMANCE OBJECTIVES
MLLW TREATMENT

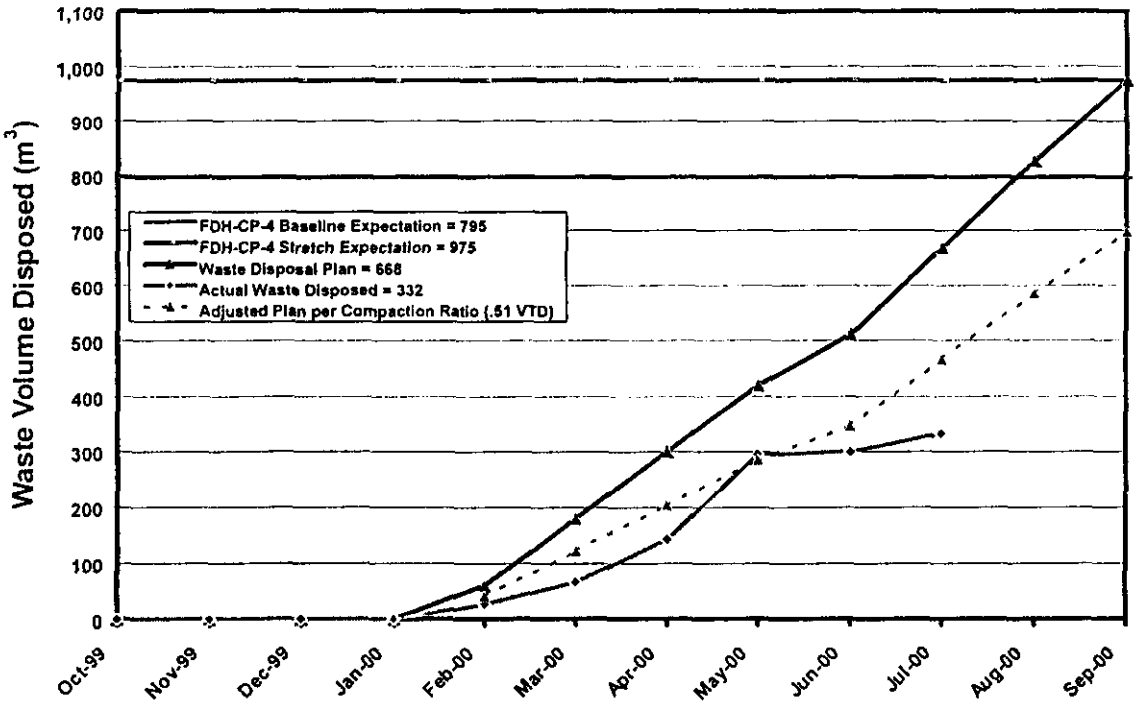
Green



Action Plans: Minimum requirement of 560m^3 treated completed in June 2000. Behind schedule to treat the remaining 500m^3 due to paperwork issues; recovery expected in August 2000.

Green

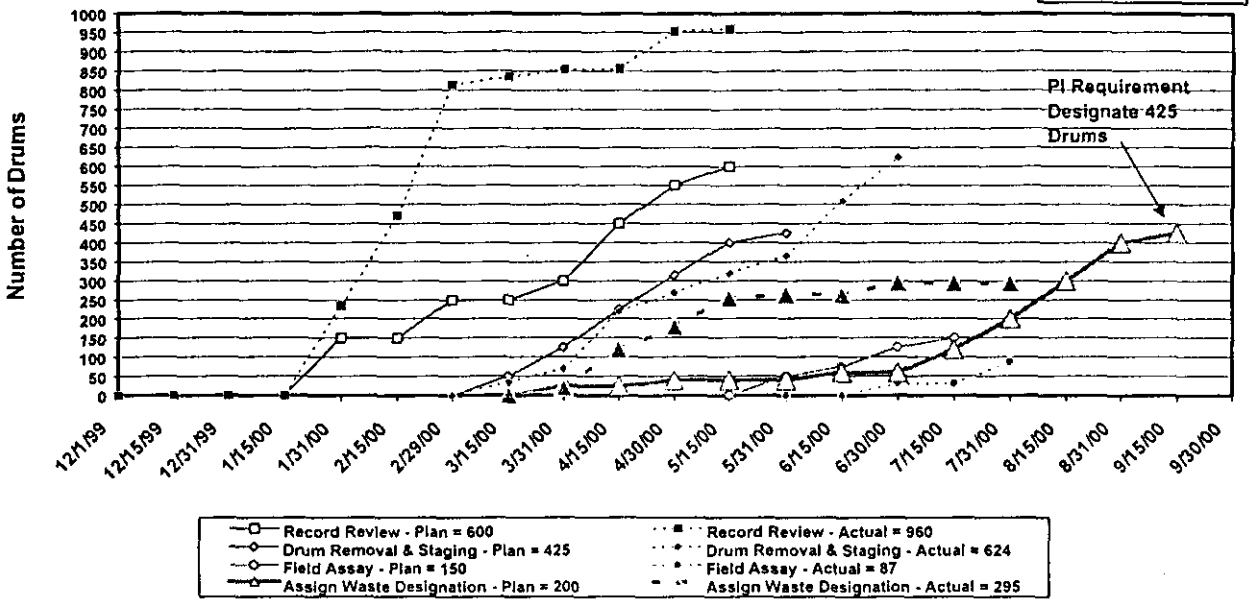
MLLW DISPOSAL



Action Plans: Behind due to treatment slippage. Recovery expected in August 2000.

TRU RETRIEVAL

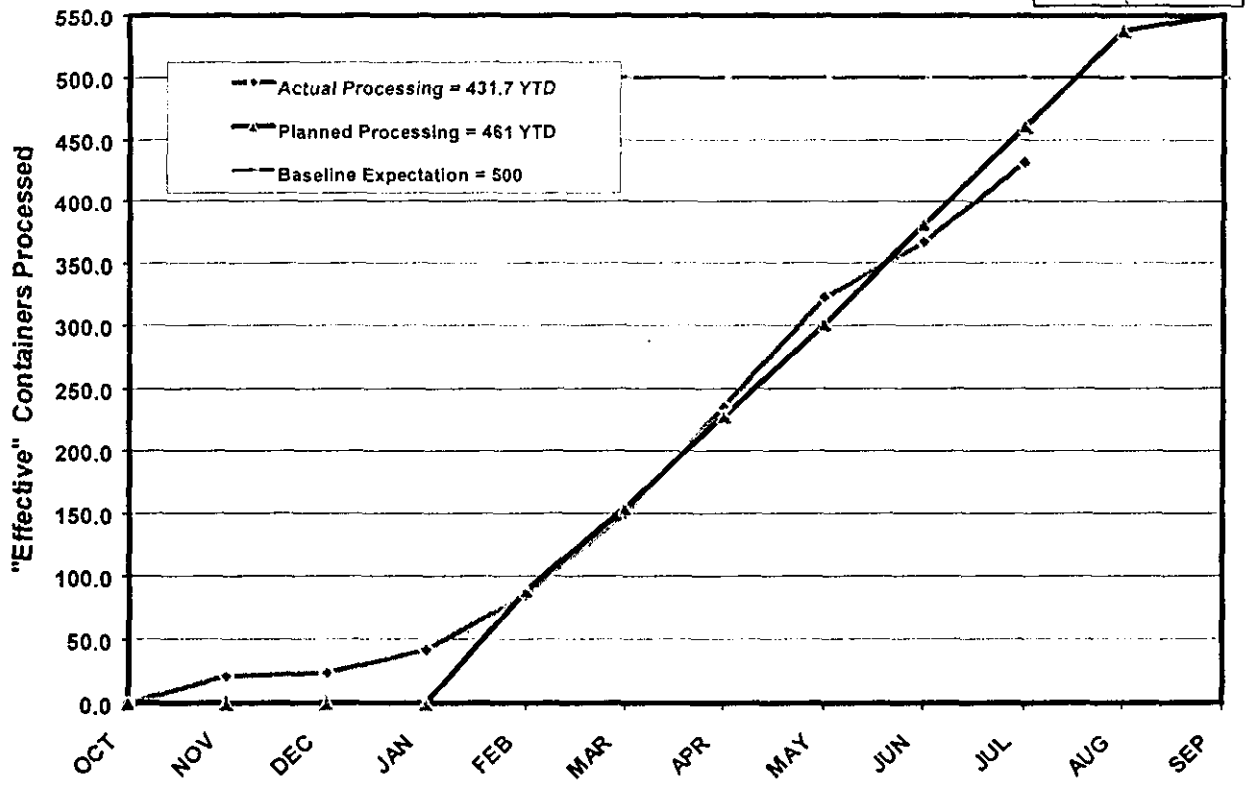
Green



Action Plans: On track to meet new stretch goal of 425 drums with 295 drums designated through July 31, 2000. Retrieval and designation of 425 suspect TRU drums was achieved with the completion of field assaying on August 3, 2000. The validation of the assay data is in progress (due the week of September 9, 2000) which will complete the PI expectation.

TRU CONTAINER PROCESSING

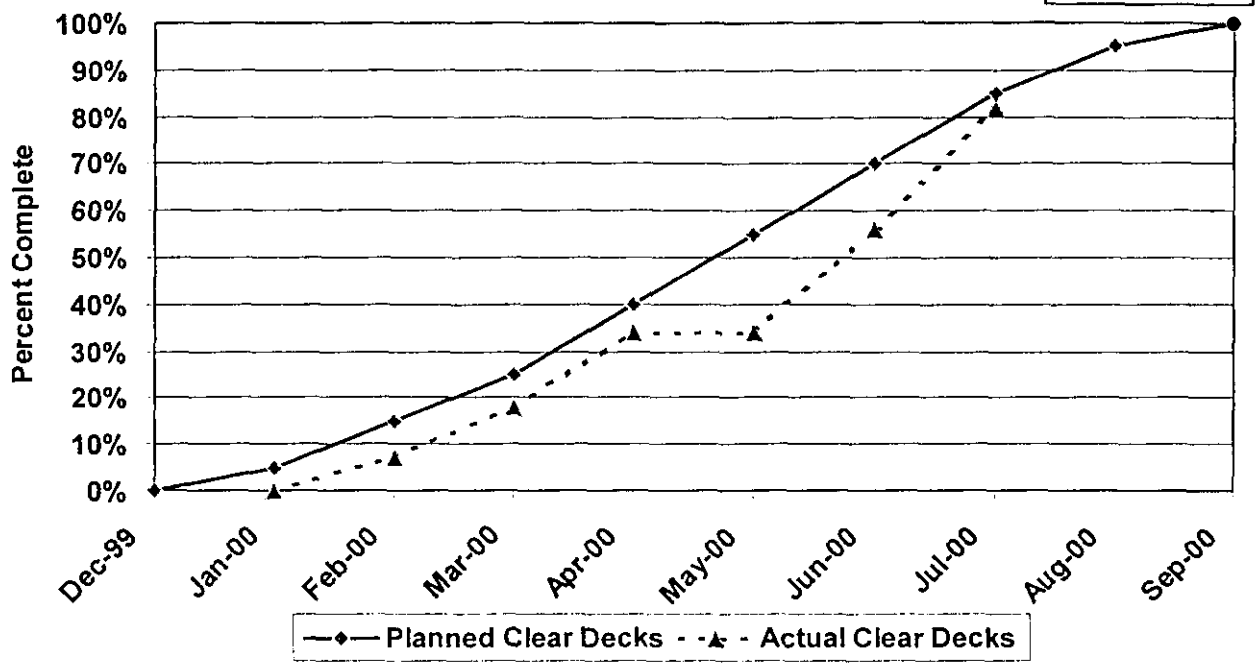
Green



Action Plans: On track.

TRU CERTIFICATION FOR SHIPPING

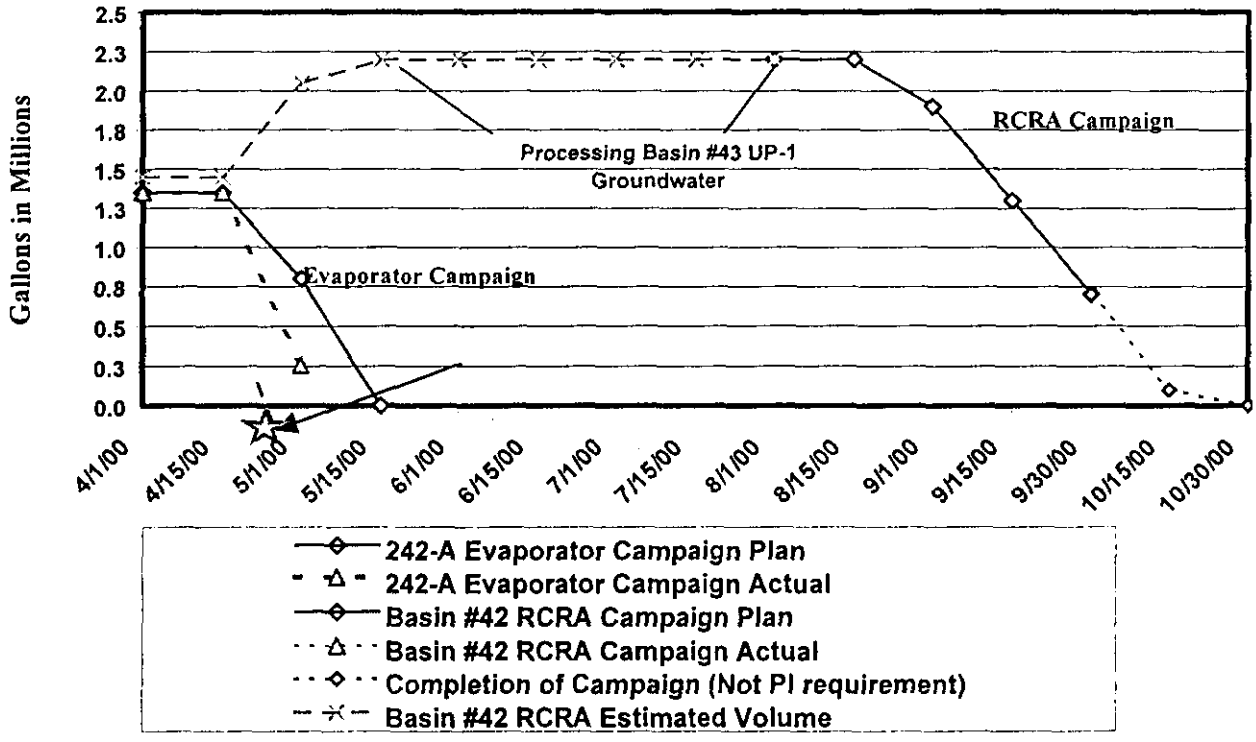
Green



Action Plans: PI renegotiation in progress and in the signature stage. First shipment to WIPP completed in July.

LIQUID WASTE PROCESSING

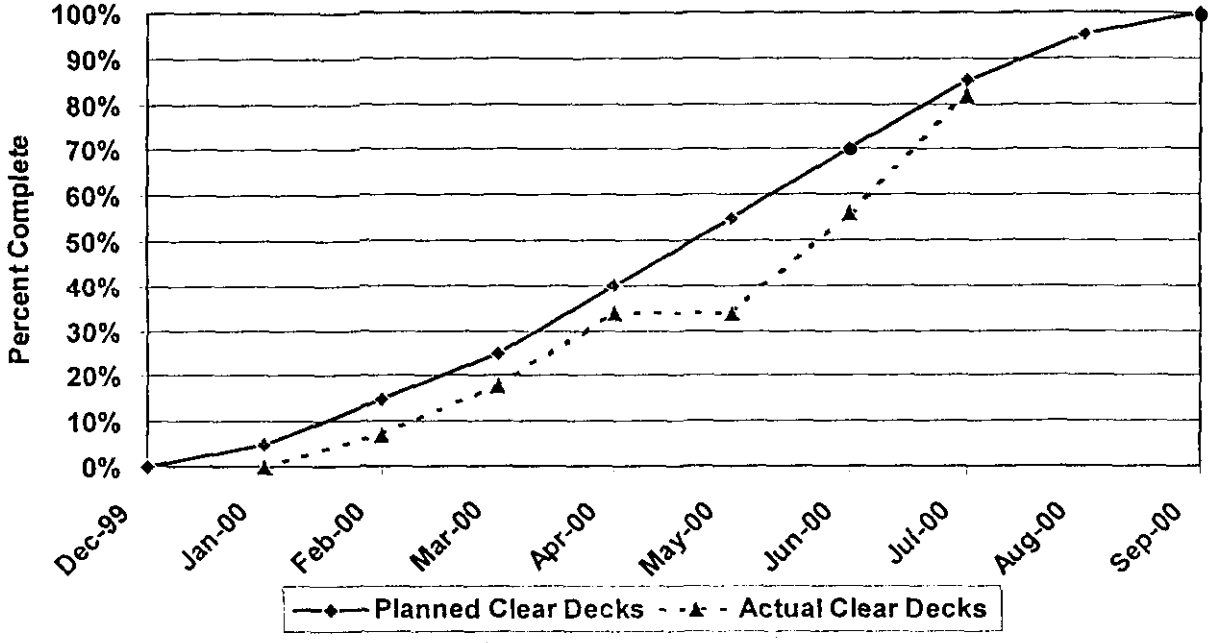
Green



Action Plans: On track. The RCRA campaign was initiated on August 19, 2000.

T Plant Deck Clearing (RC-4-1-1)

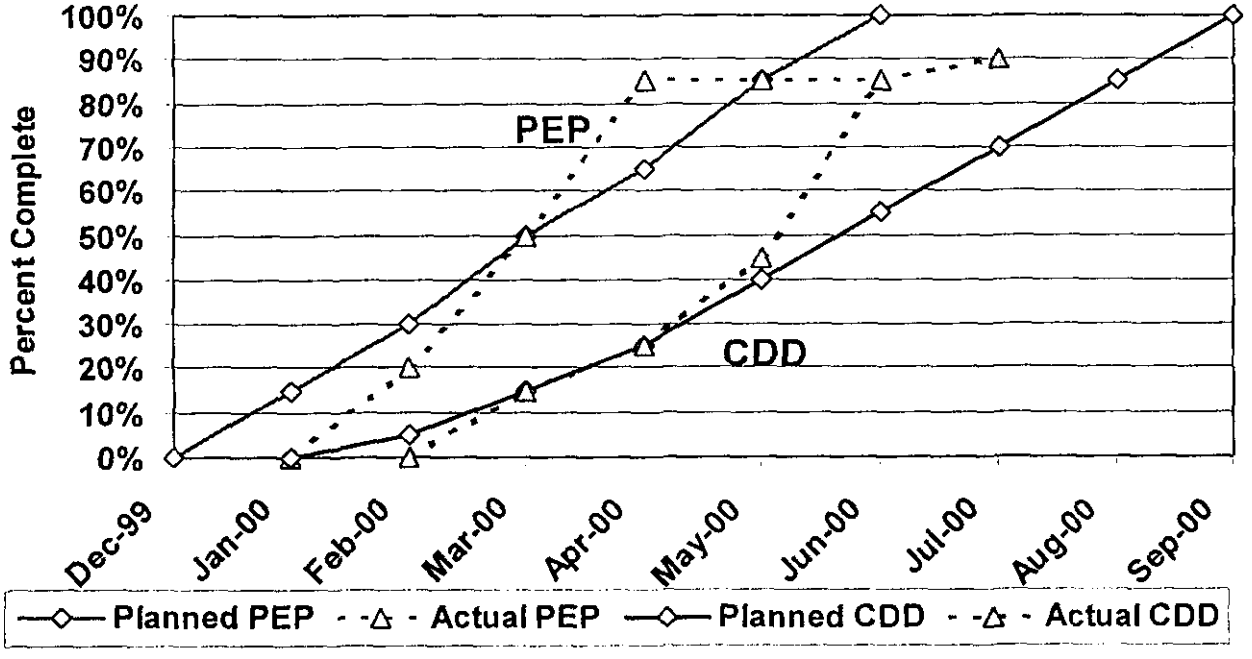
Green



Action Plans: On track. Ramping up for completion in September 2000.

T PLANT PEP AND CDD

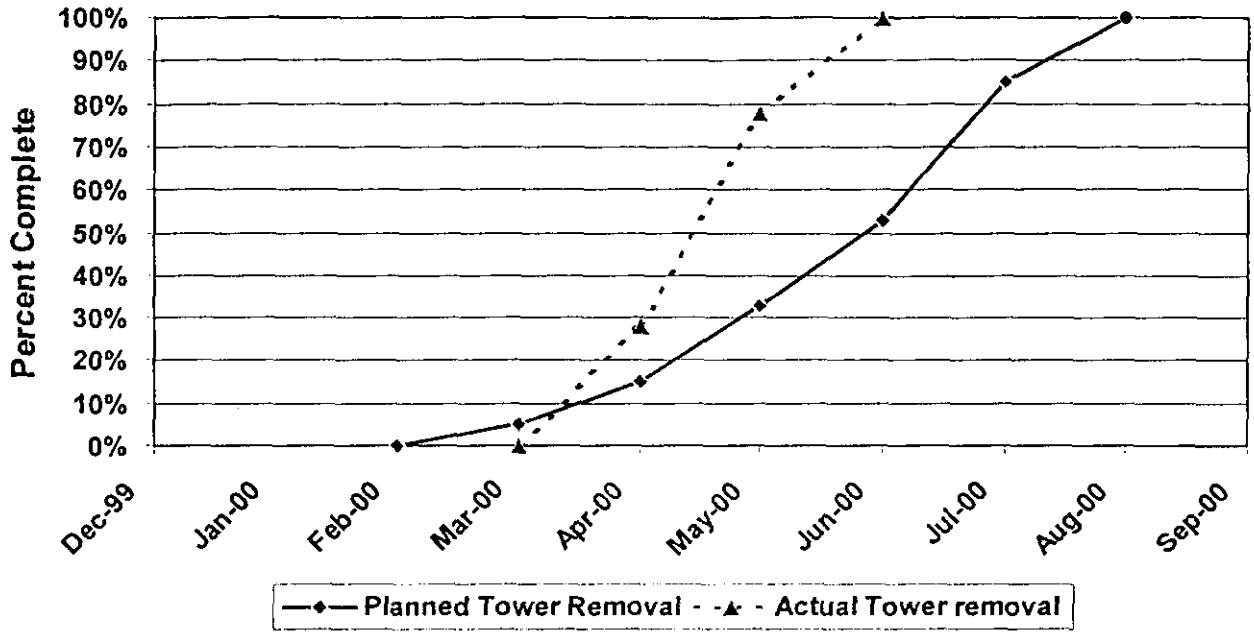
Green



Action Plans: On track. The Project Execution Plan (PEP) and the Conceptual Design Document (CDD) are both 85 percent complete, and will be completed in September 2000. PEP completion delayed due to required CDD input.

T PLANT TOWER REMOVAL (RC-4-1-2)

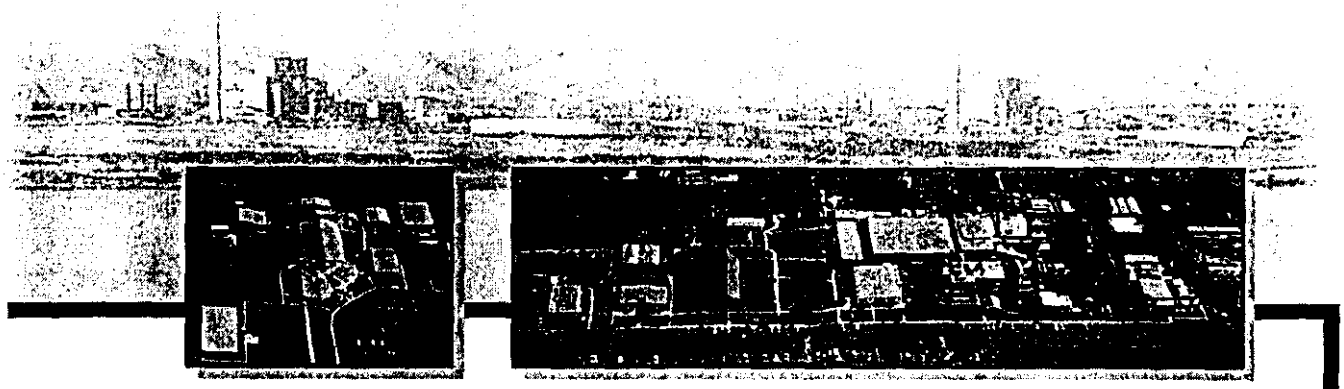
Green



Action Plans: Complete. Two towers removed and disposed of in the low level burial grounds (LLBG).

KEY INTEGRATION ACTIVITIES

- Preparing T Plant to receive Spent Nuclear Fuel K Basin sludge.
- Issuance of Records of Decision for Low-Level Waste (LLW) and Mixed Low-Level Waste (MLLW) is expected to affect Hanford's role in disposing of waste from other sites. Working with DOE-RL, DOE-HQ and other Sites to develop and define Hanford's role as one of the identified LLW/MLLW disposal sites for the Complex.
- Support continued UP-1 Groundwater treatment.
- Support River Corridor Project in cleanup and removal of waste from 324 and 327 buildings.
- Continue working with PNNL, EM 50 and Mixed Waste Focus Area (MWFA) to obtain funding in support of mixed waste processing (M-91 Facility Project).
- Continue to work with DOE- RL, -Oakland, and -Ohio to support resolution of TRU small quantity site disposition issues.



Section B:2

Analytical Services (222-S, HASP, WSCF)

PROJECT MANAGERS

S.H. Wisness, RL
(509) 373-9337

D.L. Renberger, FH
(509) 372-0877

SUMMARY

Analytical Services [222-S, Hanford Analytical Services Program (HASP), Waste Sampling and Characterization Facility (WSCF)] consists of Analytical Services, PBS WM06, WBS 1.2.4.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, Milestone Achievement, and Cost/Schedule data contained herein is as of July 31. Other information is updated as noted.

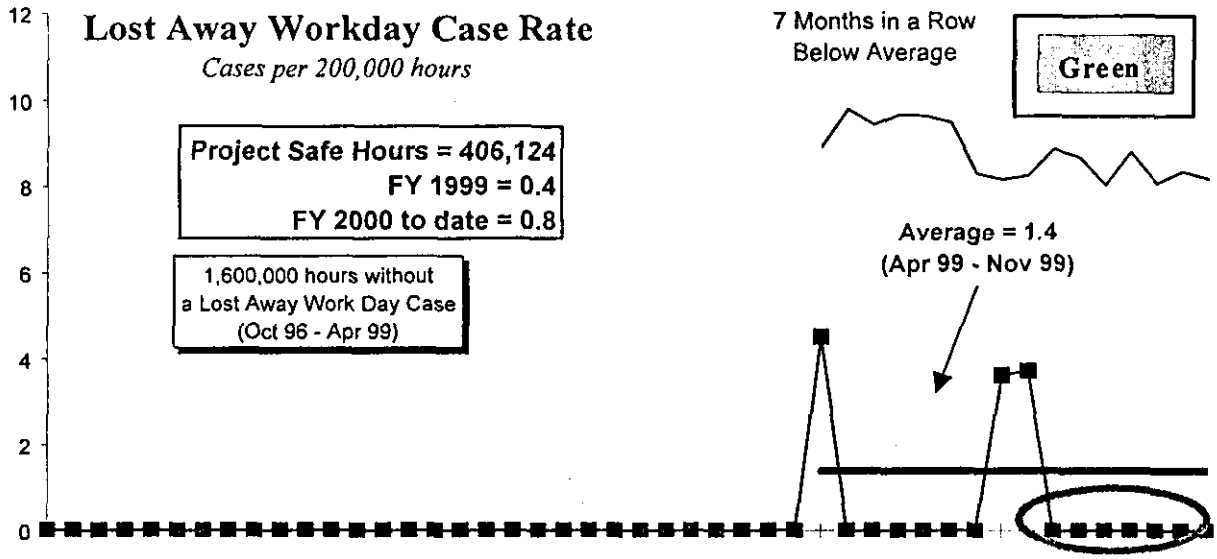
Fiscal-year-to-date-milestone performance (EA, DOE-HQ and RL) shows no milestones are due this reporting period.

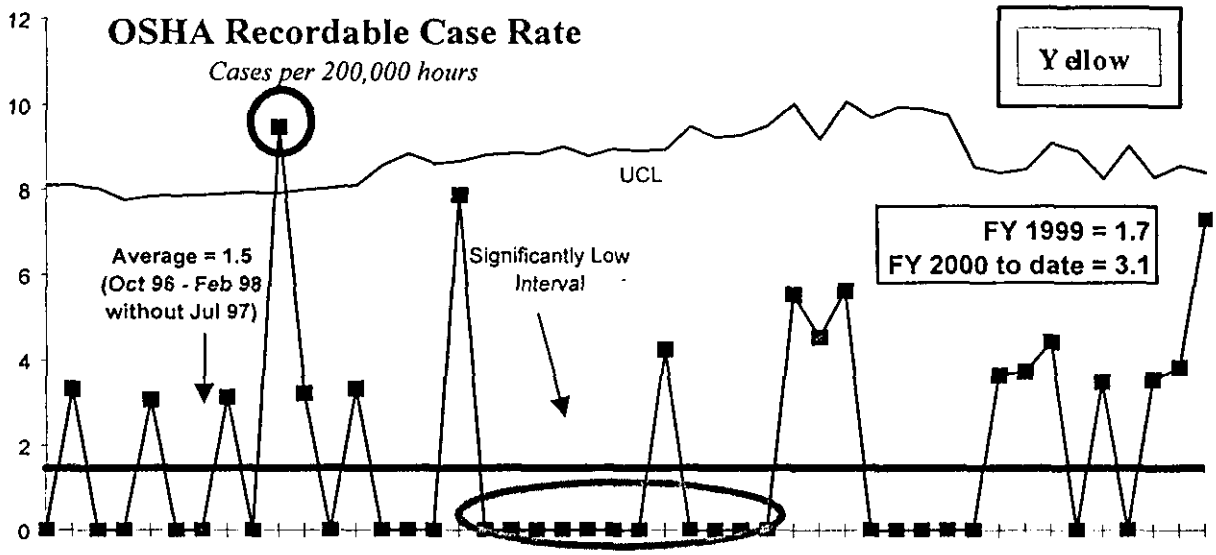
ACCOMPLISHMENTS

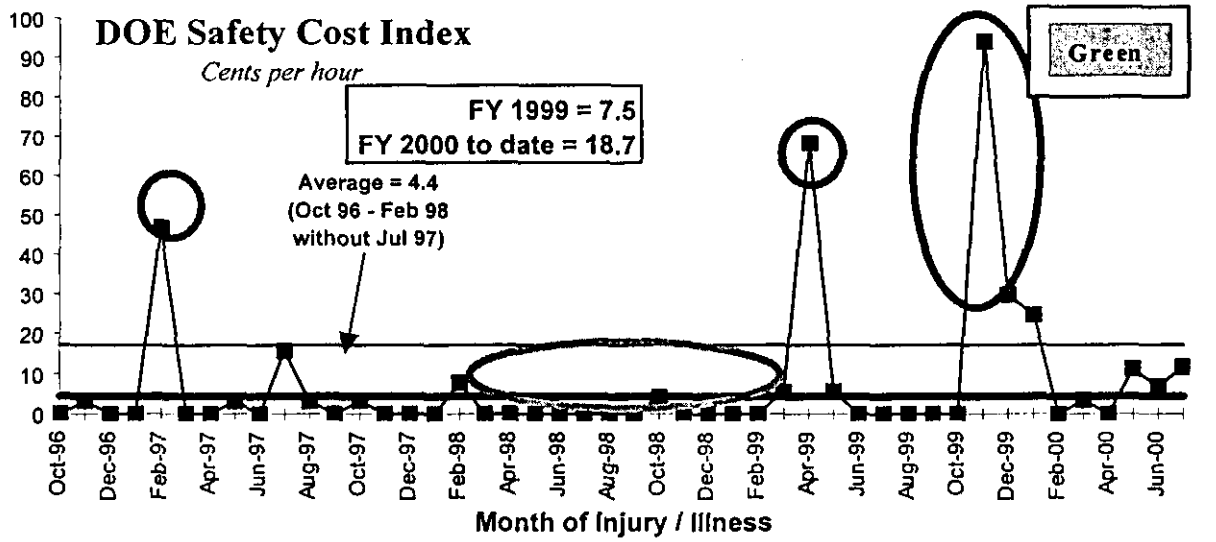
- Processed a total of 1.2 Analytical Equivalent Unit (AEUs) at the 222-S Laboratory in July in support of the RPP (TWRS) tank characterization program. Production FYTD through July 2000 is 10.3 AEUs, versus a planned 11 AEUs. On track for the 11 AEU commitment.
- Performed another 1500 analyses in July at Waste Sampling and Characterization Facility (WSCF) for a wide variety of customers as planned. FYTD production through July 2000 is 14,666 analyses, and through August 14, 2000 is 15,253 analyses.
- Improved the Headspace Gas Sampling and Analysis "cycle" time from greater than 30 days to less than 10 working days including sampling, report preparation, and review. During the past 4.5 months a total of 172 drums have been sampled and reports prepared and delivered (nine data packages). In addition, additional equipment has been brought on-line that provides the capability for four times the throughput that existed five months ago. Report quality has dramatically improved and the number of personnel required to perform the work has been reduced by ~ 50%.
- Completed HNF-SD-CP-ISB-002, Rev. 5 "222-S Laboratory Interim Safety Basis."
- Ecology (Bob Wilson) inspected 222-S Laboratory on August 21-22 with the intent to close out the 222-S Settlement Agreement. The Agreement expired on June 8, 2000 but states that Ecology will issue a letter vacating the fine. Ecology was satisfied that a system was in place and the controls necessary to adequately manage the waste were identified. A recommendation to close the Settlement Agreement is forthcoming. The Ecology inspector also offered his help as steps are taken to streamline waste management practices at 222-S.
- 222-S RCRA Part B Application - FH completed certification of the 222-S RCRA Part B Application. RL certification was completed and the Application delivered to Ecology on August 30, 2000.

Safety

WSCF is now in excess of 2500 days without a lost time injury. A certificate of appreciation was presented at the Presidents Accident Council on August 17, 2000. In July, there was one lost/restricted day case and one first aid case. Analytical Services continues to focus on ergonomic issues, and has brought HEHF expertise to 222-S to assist in ergonomic evaluations.

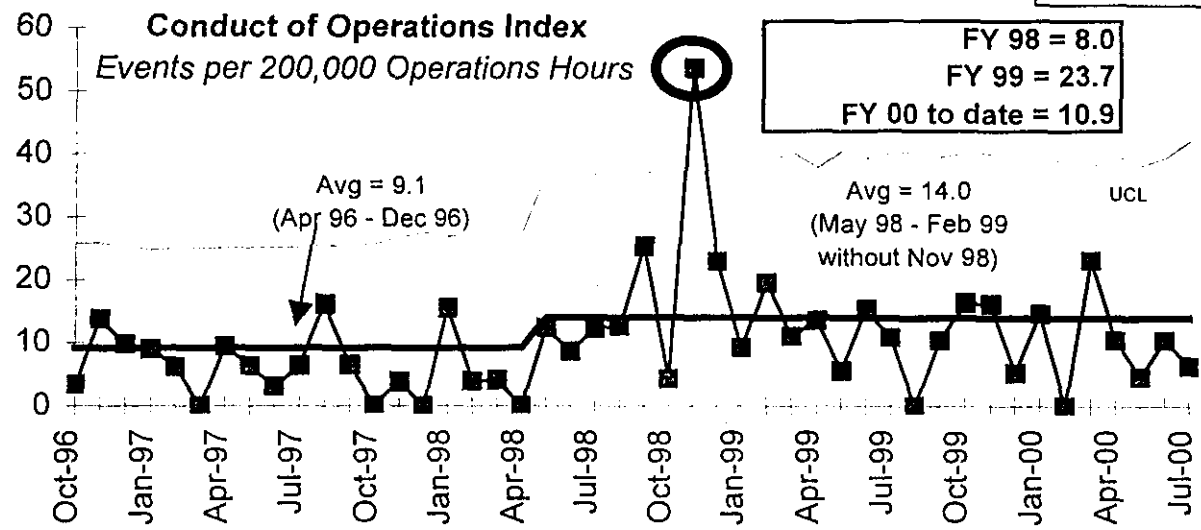

Lost Away Workday Case Rate
Cases per 200,000 hours
Project Safe Hours = 406,124
FY 1999 = 0.4
FY 2000 to date = 0.8
1,600,000 hours without a Lost Away Work Day Case (Oct 96 - Apr 99)
7 Months in a Row Below Average
Green
Average = 1.4 (Apr 99 - Nov 99)
12
10
8
6
4
2
0

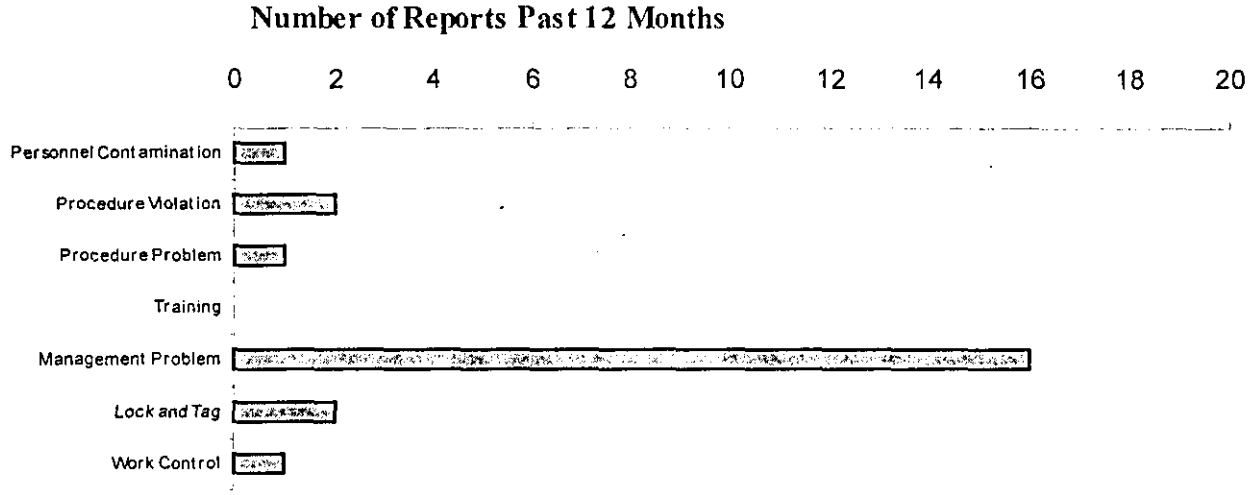

OSHA Recordable Case Rate
Cases per 200,000 hours
Yellow
UCL
Average = 1.5 (Oct 96 - Feb 98 without Jul 97)
Significantly Low Interval
FY 1999 = 1.7
FY 2000 to date = 3.1
12
10
8
6
4
2
0


DOE Safety Cost Index
Cents per hour
FY 1999 = 7.5
FY 2000 to date = 18.7
Average = 4.4 (Oct 96 - Feb 98 without Jul 97)
Green
100
90
80
70
60
50
40
30
20
10
0
Oct-96
Dec-96
Feb-97
Apr-97
Jun-97
Aug-97
Oct-97
Dec-97
Feb-98
Apr-98
Jun-98
Aug-98
Oct-98
Dec-98
Feb-99
Apr-99
Jun-99
Aug-99
Oct-99
Dec-99
Feb-00
Apr-00
Jun-00
Month of Injury / Illness

CONDUCT OF OPERATIONS / ISMS STATUS

Green





ISMS STATUS

Green

Analytical Services ISMS status is included in the Waste Management Project Section of this report. Supported successful completion of the Phase II verification.

BREAKTHROUGHS

Nothing to report.

OPPORTUNITIES FOR IMPROVEMENT

Analytical Services Facility and Equipment Upgrades Team: RL is assessing the framework under which cleanup can be maximized while working to incorporate a "realistic" funding profile over the next ten to fifteen years. Consistent with the RL outcomes, the priority is achieving the River Corridor Outcome by 2010 or shortly thereafter. This approach necessitates a probable re-

sequencing of the current baseline activities in the 200 Areas. An Analytical Services Facility and Equipment Upgrades Team has identified required facility and equipment work scope to support the RL outcomes. Presentations were made to FH and RL to detail risks and impacts associated with the work scope to the Site cleanup mission. Related activities:

- A long-term laboratory instrument capital plan, including analytical reliability requirements, was prepared in response to concerns over the lack of adequate funding in FY01 and future years for CENRTC, facility repair and LIMS upgrades.
- RPP recognizes the need and is indicating a willingness to fund a portion of the upgrades needed to provide for reliability of analytical services.
- Analytical Services is also seeking incorporation of long-term needs into the DOE-HQ infrastructure initiative.

Analytical Services Turnaround Time Team: A team has been formed to review the 222-S throughput process to identify ways to reduce turnaround times to customers.

Upcoming Activities

WIPP Waste Shipments — Continue to support the production goal of headspace analysis in support of waste shipments to WIPP.

ORP Waste Treatment Plant — A recommendation from the 200 Areas Option Study is to determine Analytical Services support requirements to the ORP Waste Treatment Plant. This includes technical support to the WTP design, cold testing and startup support, process control and monitoring, and troubleshooting. Options for long-term high-activity laboratory support to the Site cleanup mission (i.e. 222-S, WTP laboratory, a new laboratory, etc.) are also to be evaluated.

Cost Performance ($M):

	BCWP	ACWP	VARIANCE
Analytical Services	$22.6	$22.1	$0.5

The $0.5 million (2 percent) favorable cost variance is within established thresholds.

Schedule Performance ($M):

	BCWP	BCWS	VARIANCE
Analytical Services	$22.6	$22.9	- $0.3

The $0.3 million (1 percent) unfavorable schedule variance is within the established threshold.

FY 2000 Cost/Schedule Performance – All Fund Types Cumulative to Date Status – ($000)

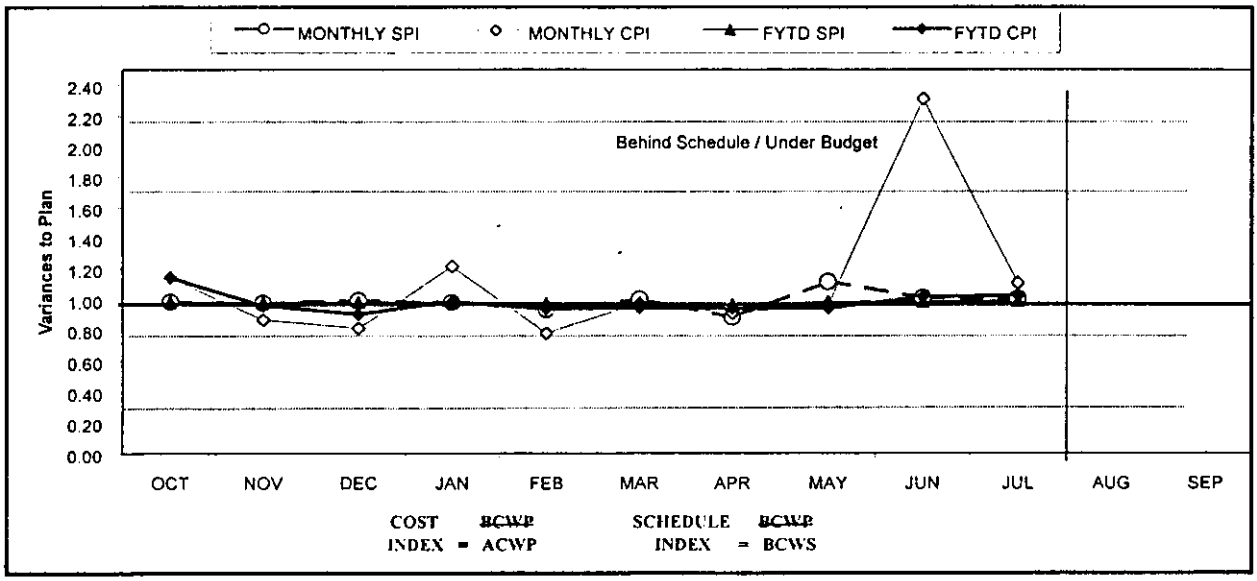
Green

By PBS		FYTD BCWS	FYTD BCWP	FYTD ACWP	FYTD SV	FYTD %	FYTD CV	FYTD %	PEM	EAC
WBS 1.2.4 PBSWM06	Analytical Services	$ 22,892	$ 22,568	$ 22,113	$ (324)	-1%	$ 455	2%	$ 27,843	$ 27,700
	Total	$ 22,892	$ 22,568	$ 22,113	$ (324)	-1%	$ 455	2%	$ 27,843	$ 27,700

*Note: RL-Directed costs (steam and laundry) are included in the PEM BCWS/ACWP.

Cost/Schedule Performance Indices (Monthly and FYTD)

Green



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.99	0.98	0.99	0.98	0.94	1.00	0.88	1.12	1.01	1.01		
MONTHLY CPI	1.14	0.87	0.81	1.22	0.78	0.98	0.91	0.96	2.31	1.11		
FYTD SPI	0.99	0.98	0.99	0.98	0.97	0.98	0.97	0.99	0.99	0.99		
FYTD CPI	1.14	0.96	0.91	0.99	0.94	0.95	0.94	0.94	1.02	1.03		
MONTHLY BCWS	$1,588	$2,340	$1,973	$2,896	$2,283	$2,613	$2,279	$2,358	$2,493	$2,069	$2,507	$2,444
MONTHLY BCWP	$1,566	$2,288	$1,960	$2,848	$2,135	$2,624	$2,010	$2,632	$2,527	$2,086		
MONTHLY ACWP	$1,369	$2,640	$2,414	$2,342	$2,741	$2,686	$2,208	$2,733	$1,093	$1,885		
FYTD BCWS	$1,588	$3,928	$5,901	$8,797	$11,080	$13,693	$15,973	$18,330	$20,823	$22,892	$25,400	$27,843
FYTD BCWP	$1,566	$3,854	$5,814	$8,662	$10,797	$13,421	$15,431	$18,063	$20,590	$22,676		
FYTD ACWP	$1,369	$4,009	$6,423	$8,765	$11,506	$14,193	$16,401	$19,134	$20,228	$22,113		

COST VARIANCE ANALYSIS: ($0.5M)

WBS/PBS	Title
1.2.4/WM06	Analytical Services

Description/Cause: The favorable cost variance of $0.5 million (2.0 percent) is within established thresholds.
Impact: Current yearend projections indicate Analytical Services will align with available funds.
Corrective Action: Corrective actions have been identified and implemented to maintain projections.

SCHEDULE VARIANCE ANALYSIS: (-$0.3M)

WBS/PBS	Title
1.2.4/WM06	Analytical Services

Description /Cause: The unfavorable schedule variance of $0.3M (1.4 percent) is within established threshold.
Impact: None.
Corrective Action: None required.

FUNDS MANAGEMENT
FUNDS VS SPENDING FORECAST ($000)
FY TO DATE THROUGH JULY 2000
(FLUOR HANFORD, INC. ONLY)

	Project Completion *			Post 2006 *			Line Items *		
	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance
The Plateau									
1.2.4 Analytical Svcs (222-S,HASP,WSCF) WM06				26,461	26,474	(13) 0			
Line Item									
Total Analytical Serv. Operating				$ 26,461	$ 26,474	(13)			
Total Analytical Serv. Line Item									

* Control Point

ISSUES

Technical Issues

Nothing to report.

DOE/Regulator/External Issues

PCB Management — Analytical Services participated in a PCB workshop with EPA, Ecology, DOE and contractor personnel on August 23 & 24 to discuss management of PCBs at Hanford. The primary topics of discussion dealt with the consequences of managing tank farms waste as TSCA-regulated, the anticipated path-forward, and the associated impacts to interrelated facilities. Other issues were discussed, including management of PCB laboratory/R&D wastes

and the management of low-concentration PCBs. On August 26, DOE and contractor personnel met to discuss the results of the meeting and brainstorm about the next steps. It was agreed that a working group needed to be assembled to develop a comprehensive PCB management plan for Hanford and that two-way communication with the existing PCB strategy team was necessary. It was also agreed that a list of questions would be assembled and forwarded to EPA to document understanding regarding certain TSCA regulations.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS ($000)

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY00 COST IMPACT $000	SCH	TECH	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
		Nothing to report at this time.							
ADVANCE WORK AUTHORIZATIONS									
		Nothing to report at this time.							

MILESTONE ACHIEVEMENT

Green

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2000
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	0	0	0	0	0	0	0	0
DOE-HQ	0	0	0	0	0	0	0	0
FO	0	0	0	0	0	0	0	0
RL	0	0	0	0	0	1	0	1
Total Project	0	0	0	0	0	1	0	1

Tri-Party Agreement / EA Milestones
Nothing to report.
DNFSB Commitments
Nothing to report.

MILESTONE EXCEPTION REPORT

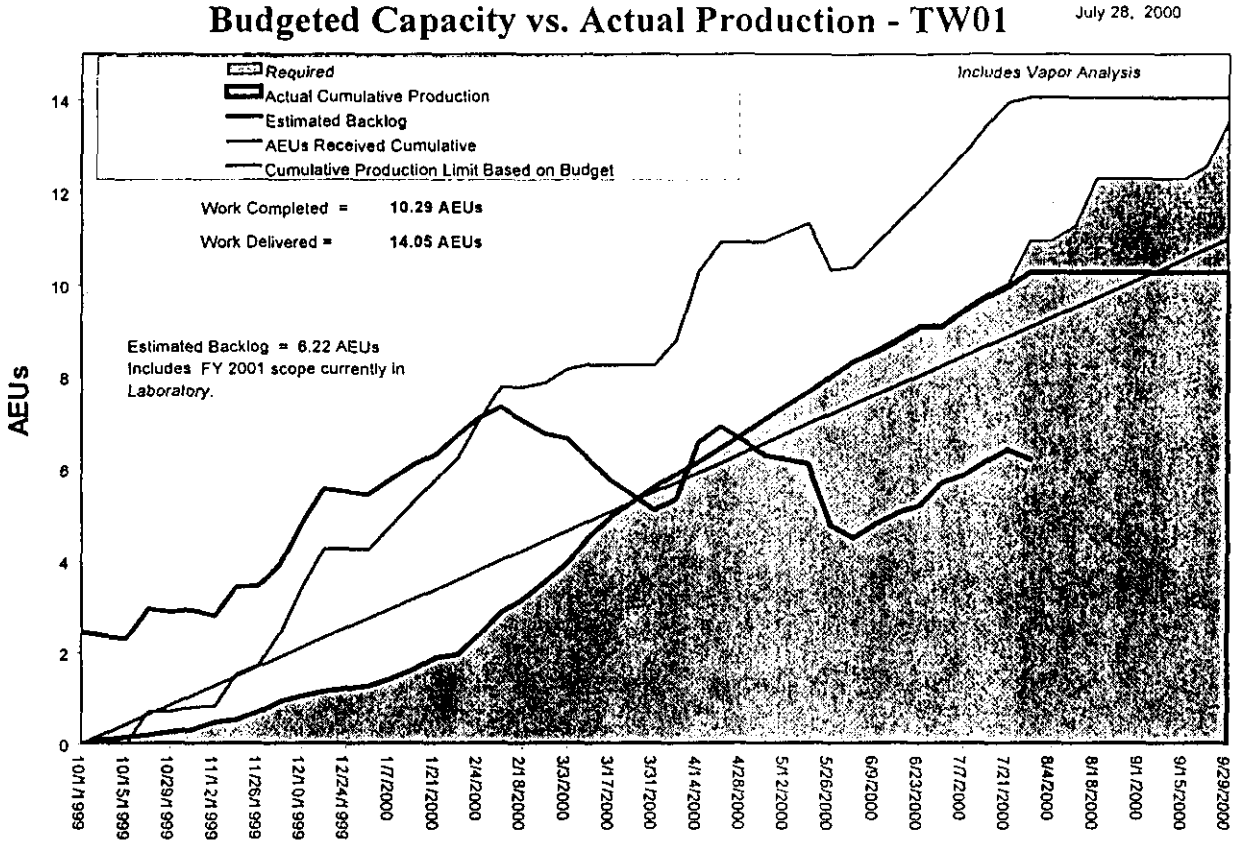
Number/WBS	Level	Milestone Title	Baseline Date	Forecast Date

OVERDUE – 0

FORECAST LATE – 0

PERFORMANCE OBJECTIVES

Green



Continue working with RPP on 222-S laboratory production integration. Will meet the September 2000 commitment of eleven AEUs. Production through July 2000 is 10.3 AEUs, versus a planned 11 AEUs. Production for the month of July was 1.2 AEUs.

KEY INTEGRATION ACTIVITIES

- Continue to support ORP efforts to establish required analytical support for Waste Treatment Plant (WTP) design and operation.
- Continue to support Waste Management headspace gas analyses for TRU waste shipment to WIPP.

Section C:1

Nuclear Material Stabilization

PROJECT MANAGERS
P.M. Knollmeyer, RL
(509) 376-7435

G.W. Jackson, FH
(509) 373-6622

DOE/RL-99-83, Rev. 8

SUMMARY

The Nuclear Material Stabilization mission consists of the Plutonium Finishing Plant (PFP), WBS 1.4.5 and 1.4.6.1. (PBS TP05 & TP12)

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, Milestone Achievement, and Cost/Schedule data contained herein is as of July 31, 2000. All other information is as of August 25, 2000 unless otherwise stated.

As of August 18, 2000 a total of 477 cans of Plutonium oxides and sludge were stabilized through thermal stabilization. (160 additional items since last report) This increase in throughput was achieved by modifying the Loss On Ignition testing method.

Through August 23, 2000, there have been 265 calendar days without a lost workday injury.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that four of eleven milestones (37 percent) were completed on or ahead of schedule, two were completed late (18 percent), and five (45 percent) are overdue. Although three additional milestones are scheduled for completion later this fiscal year, no milestones were scheduled for completion during this report period. Further details can be found in the milestone exception report following the cost and schedule variance analysis.

ACCOMPLISHMENTS

Maintain Safe and Compliant PFP

- Completed replacement and testing of 5 HEPA filters in Room 221.
- Achieved more than 265 calendar days without a lost workday injury as of August 23, 2000.
- Completed Milestone TRP-00-510, "Annual Revision To Integrated Project Management Plan" with formal submittal to DOE-RL on August 9,2000 slightly behind schedule.
- Continued with installation of backflow preventers for facility Fire Risers Numbers 5, 6, and 8; Number 8 is now partially installed; excavation initiated on Number 5 & Number 6. This facility commitment to the site water purveyor is on schedule for a June 2001 completion.

Maintain Safe & Secure SNM

- Completed and reconciled Material Balance Areas (MBA) 218 & 250 inventories ahead of schedule. This task supports RL milestone TRP-00-509, "Complete FY00 Annual SNM Inventory," due September 30, 2000.
- Continued with preparations for shipment of High Enriched Uranium (HEU) items to Oak Ridge National Laboratory.
- Preparations are underway to begin employee polygraph testing in September.

Oxides/Metals/Polycubes Stabilization

- Milestone TRP-00-503, "Conduct Alloys Air Operating Plan (AOP) Environmental Protection Agency (EPA) Review and Issue the Notice of Construction (NOC)" is currently scheduled for late August approval, one month ahead of schedule.
- Completed Milestone TRP-00-502, "Complete Metal Process Criticality Analysis and Issue Criticality Specification" on July 31, 2000, which is required in order to commence metal processing activities, completed one month behind schedule.
- Significantly increased process throughput by modifying the Loss on Ignition (LOI) testing method. As a result, a total of 477 items were stabilized through August 18, 2000.

Solution Stabilization

- Design, plant support and construction of the $Mg(OH)_2$ project are approximately 94 percent complete as of July 31, 2000.
- FH Operational Readiness Review (ORR) which concluded August 21, 2000, identified four pre-start items and one post-start item. All items were addressed and completed on August 23, 2000. The RL ORR began on August 25, 2000.

Residue Stabilization

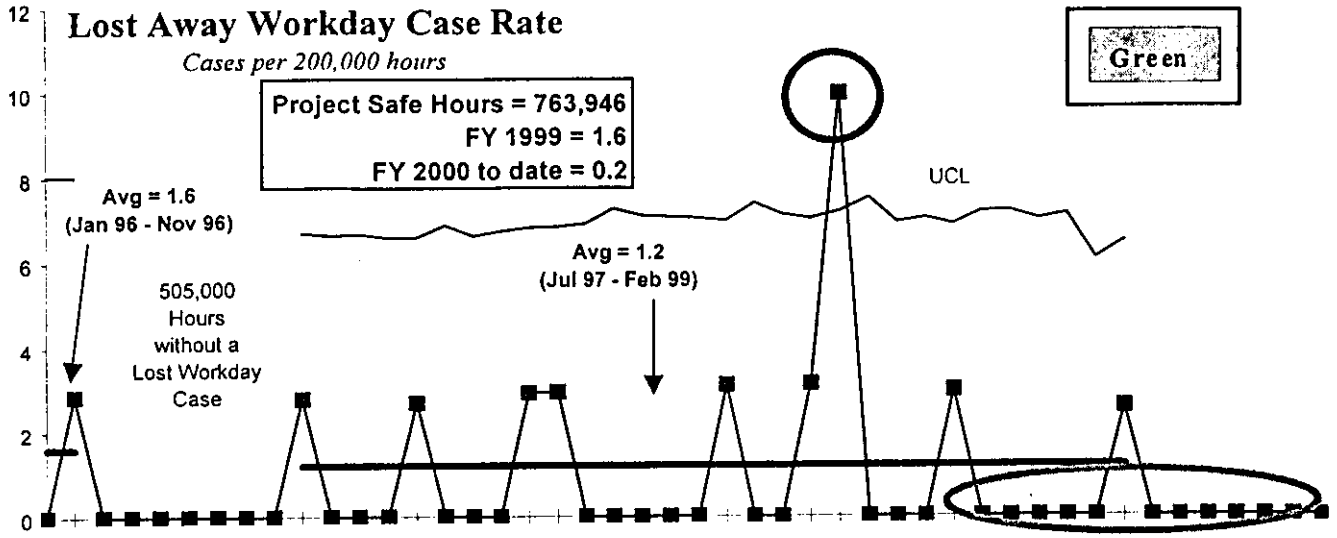
- Submitted revised Part A permit to Ecology to provide for RCRA permitted storage at the Plutonium Finishing Plant (PFP).
- Reached Agreement in Principle with Washington State Department of Ecology for the re-designation of Sand, Slag and Crucible (SS&C) to remove reactivity and ignitability waste numbers.
- Submitted Supplement Analysis (SA) to RL for approval.

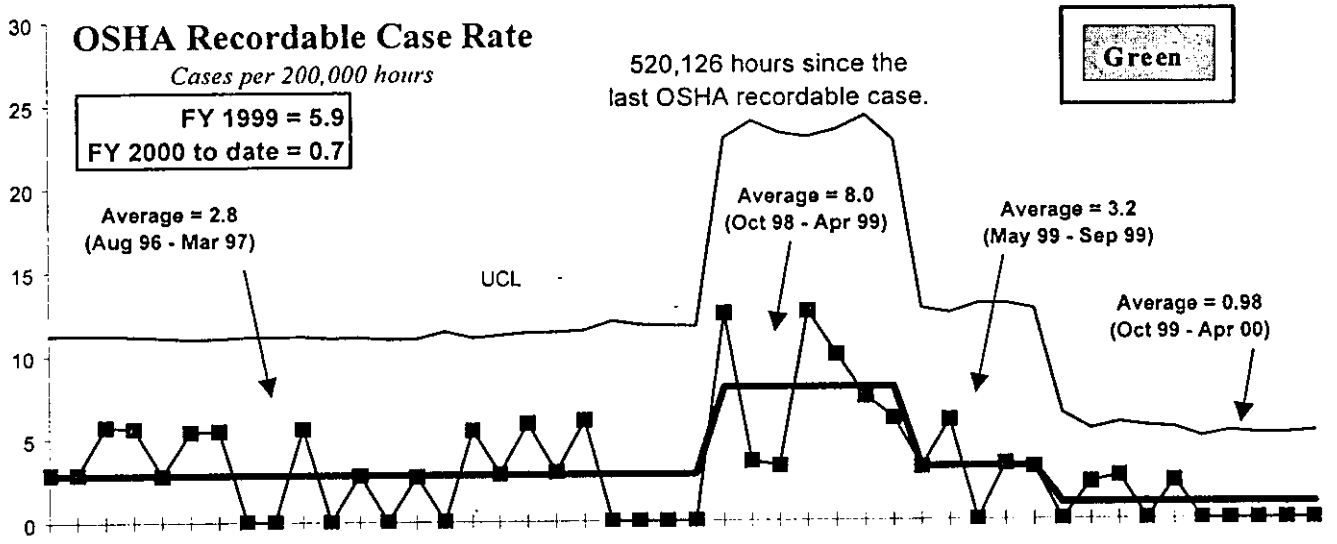
Project W-460

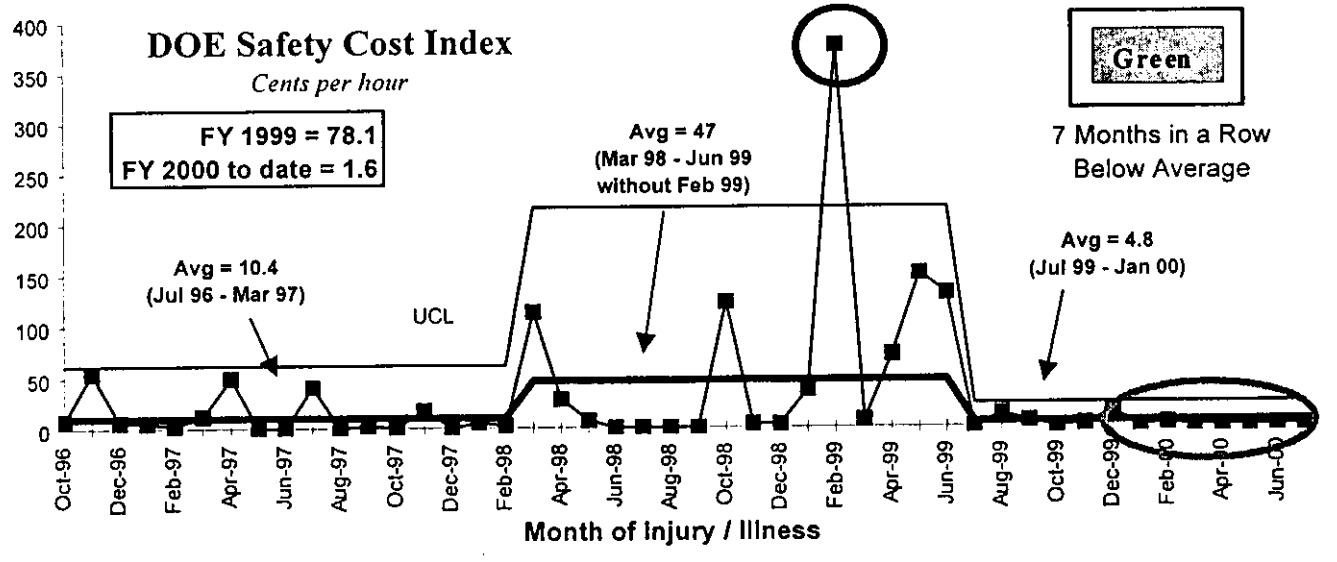
- Approval was received July 20, 2000 from the Washington State Department of Health regarding the Notice of Construction (NOC) for the 2736-Z Bagless Transfer System (BTS). Construction activities on 2736-ZB outside areas are now underway.
- The 234-5Z BTS unit construction in 234-5Z (room 235B continued, with construction completion expected in early September. Glovebox installation is complete and the BTS welding machine has been attached to the glovebox. Current work involves routing support systems and utilities to the glovebox and the BTS welding machine.

SAFETY

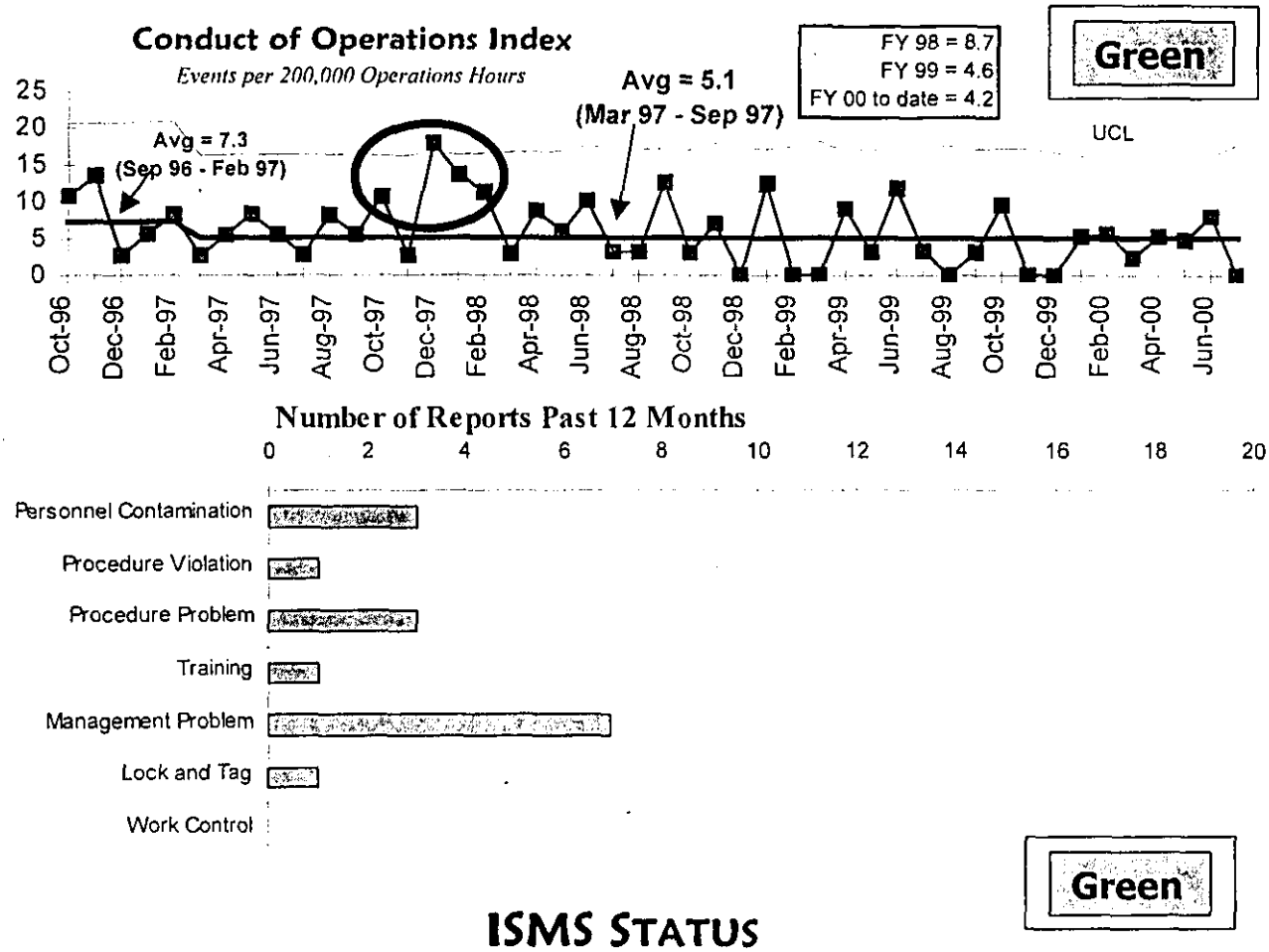
Lost Away Workday Case Rate has had a significant decrease, with twelve of thirteen months in a row at zero. Current rate is exceptionally low. Occupational Safety and Health Act (OSHA) recordable case rate is stable and has been more than 1/2 million hours since the last OSHA recordable case. It is a significant improvement in comparison to the adverse trend of spring 1999. FY 2000 OSHA case rate and DOE Safety Cost Index are very favorable. DOE Safety Cost Index has been seven months in a row below average. The Index has both a new average and control limits reflecting the significant decrease noted earlier in the year.


Lost Away Workday Case Rate
Cases per 200,000 hours
Project Safe Hours = 763,946
FY 1999 = 1.6
FY 2000 to date = 0.2
Green
UCL
Avg = 1.6
(Jan 96 - Nov 96)
505,000
Hours
without a
Lost Workday
Case
Avg = 1.2
(Jul 97 - Feb 99)
12
10
8
6
4
2
0


OSHA Recordable Case Rate
Cases per 200,000 hours
FY 1999 = 5.9
FY 2000 to date = 0.7
Green
520,126 hours since the
last OSHA recordable case.
Average = 2.8
(Aug 96 - Mar 97)
UCL
Average = 8.0
(Oct 98 - Apr 99)
Average = 3.2
(May 99 - Sep 99)
Average = 0.98
(Oct 99 - Apr 00)
30
25
20
15
10
5
0


DOE Safety Cost Index
Cents per hour
FY 1999 = 78.1
FY 2000 to date = 1.6
Green
7 Months in a Row
Below Average
Avg = 47
(Mar 98 - Jun 99
without Feb 99)
Avg = 4.8
(Jul 99 - Jan 00)
Avg = 10.4
(Jul 96 - Mar 97)
UCL
400
350
300
250
200
150
100
50
0
Oct-96
Dec-96
Feb-97
Apr-97
Jun-97
Aug-97
Oct-97
Dec-97
Feb-98
Apr-98
Jun-98
Aug-98
Oct-98
Dec-98
Feb-99
Apr-99
Jun-99
Aug-99
Oct-99
Dec-99
Feb-00
Apr-00
Jun-00
Month of Injury / Illness

CONDUCT OF OPERATIONS / ISMS STATUS



ISMS STATUS

- NMS project has met the objectives established for Phase II ISMS verification.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs

- **WIPP-Validated NonDestructive Analysis (NDA) System –** *Implementation of a Waste Isolation Pilot Plant* (WIPP) "validated" plutonium-measuring NDA system in FY 2000 continues. The equipment necessary to upgrade the Segmented Gamma Scanner has been delivered and upgrades have been initiated.

Green

- **Time/Temperature Test Results for PFP Thermal Stabilization Furnaces** – This doucment provides the test results of the process currently used at the Plutonium Finishing Plant (PFP) for producing stable plutonium dioxide. The testing results show that the materials fed into the furnaces are being heated to at least 950°C for at least two hours as required by the Department of Energy Standard 3013-99.

Green

- **Rocky Flats Ash** – NonDestructive Assay (NDA) confirmatory measurements of five (5) Rocky Flats ash standards have been completed. These standards will be utilized to calibrate the Segmented Gamma Scanner in support of ash repackaging via Pipe-N-Go. Green

Opportunities for Improvement

- **Project Baseline Control** – A number of cost control measures are in place, and actively managed, to mitigate the current budget deficit. These include reductions in contract costs, overtime, material procurements, and suspension of non-critical hiring. Green
- **Exposure Reduction** – Work is now being scheduled and coordinated to allow multiple tasks to be completed during a single zone entry. Ergonomic investigations are also underway that could ultimately result in the 2736-ZB vault staff using lead vests to reduce exposure. Green
- **2736-ZB Bagless Transfer System (BTS) and Outer Can Welder for Project W-460** – Discussions are underway with Westinghouse Savannah River Company to provide an accelerated delivery date for the 2736-ZB BTS and Outer Can Welder for Project W-460. Funding has been allocated to Savannah River for design, construction, and delivery of the outer can welder. Green
- **Preventive Maintenance/Surveillance Activities** – A recovery plan is being developed to reduce the backlog caused by the Hanford Site fire. Green

UPCOMING ACTIVITIES

- Begin Pu solution stabilization via $Mg(OH)_2$ in September 2000.
- Complete Operational Readiness Review (ORR) and training activities for stabilization activities in room 230-C in September 2000.
- Startup Residues operations in fourth quarter of FY 2000.
- Complete installation and startup of the 234-5Z Bagless Transfer System (BTS) in fourth quarter of FY 2000.
- Begin metal stabilization processing in November 2000.
- Initiate polycube stabilization in third quarter of FY 2001. To minimize employee exposure this calendar year, polycube stabilization activities have been deferred to May 2001. Metal and alloy stabilization activities will be accelerated to accommodate this change.

COST PERFORMANCE ($M):

	BCWP	ACWP	VARIANCE
Nuclear Materials Stabilization	$87.7	$99.4	- $11.7

The $11.7 million (13 percent) unfavorable cost variance is mostly driven by overruns in Solution Stabilization, Maintenance, and Training. Increased resources for the $Mg(OH)_2$ glovebox design, procurement and installation have been necessary to maintain the aggressive schedule demands. The cost overruns are somewhat offset by underruns in other areas due to a shortage of staff.

SCHEDULE PERFORMANCE ($M):

	BCWP	BCWS	VARIANCE
Nuclear Materials Stabilization	$87.7	$102.7	- $15.0

The $15.0 million (15 percent) unfavorable schedule variance is due to the behind status on Project W-460, the Plutonium Stabilization and Packaging System, capital activities, such as the elimination of trailers, vault modification design, and start of BTS fabrication and construction activities. Facility construction modifications have not started as scheduled due to deviations in the definitive design, required changes to the National Environmental Policy Act (NEPA) Supplement Analysis and approval of the Notice of Construction by the Washington State Department of Health. Residues and solution stabilization activities are also the behind schedule. Solution stabilization construction activities are two months behind schedule, with startup now planned for September 2000. Restart activities for residues are behind schedule and additional NDA equipment necessary for WIPP validation has been ordered and is being installed. Restart of residue disposition activities (i.e., Pipe-n-Go of ash) is now anticipated in September 2000, versus the planned April 2000 cementation restart. Oxide stabilization activities continue significantly ahead of schedule.

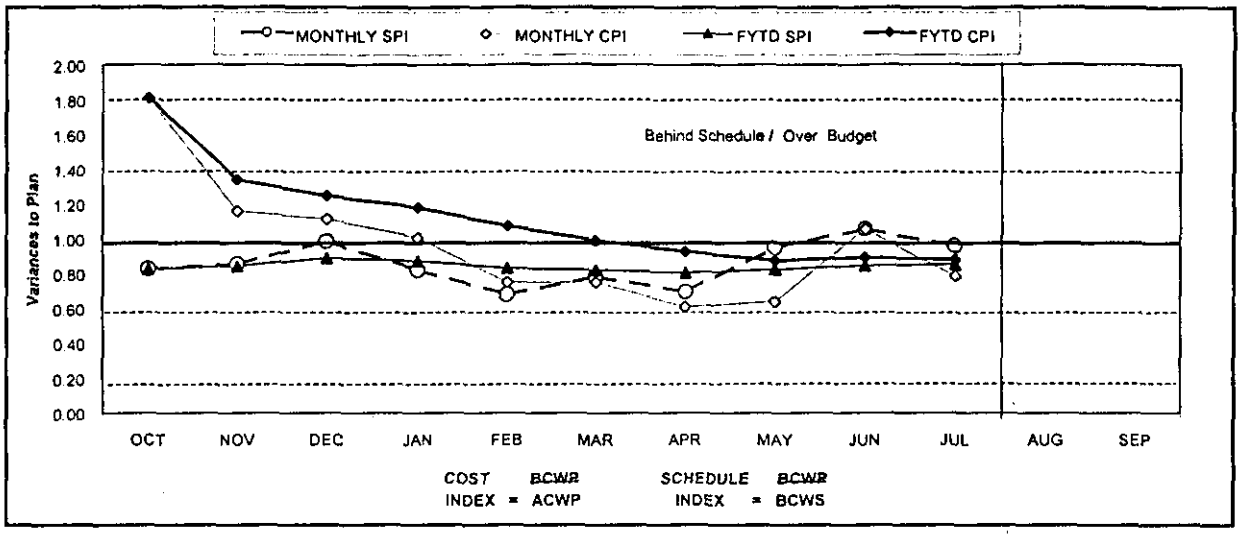
FY 2000 COST/SCHEDULE PERFORMANCE – ALL FUND TYPES
CUMULATIVE TO DATE STATUS – ($000)

Yellow

By PBS		FYTD BCWS	BCWP	ACWP	SV	%	CV	%	PEM*	EAC
WBS 1.4.5 PBS TP05	PFP Deactivation	$ 102,689	$ 87,702	$ 99,427	$ (14,987)	-15%	$ (11,725)	-13%	$ 124,267	$ 122,994
	Total	$ 102,689	$ 87,702	$ 99,427	$ (14,987)	-15%	$ (11,725)	-13%	$ 124,267	$ 122,994

* Authorized baseline as per the Integrated Planning Accountability, and Budget System (IPABS) – Project Execution Module (PEM). RL-Directed Costs (steam) are included in the PEM BCWS.

COST/SCHEDULE PERFORMANCE INDICES (MONTHLY AND FYTD)



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.83	0.85	0.98	0.82	0.68	0.78	0.70	0.95	1.06	0.96		
MONTHLY CPI	1.81	1.16	1.11	1.01	0.75	0.75	0.61	0.64	1.06	0.79		
FYTD SPI	0.83	0.84	0.89	0.87	0.83	0.82	0.81	0.82	0.85	0.85		
FYTD CPI	1.81	1.34	1.25	1.18	1.07	0.99	0.93	0.87	0.89	0.88		
MONTHLY BCWS	$7,913	$12,725	$9,999	$10,540	$11,128	$13,401	$9,632	$9,999	$9,375	$7,978	$11,172	$10,406
MONTHLY BCWP	$6,543	$10,873	$9,849	$8,638	$7,567	$10,480	$6,704	$9,474	$9,910	$7,664		
MONTHLY ACWP	$3,613	$9,386	$8,845	$8,587	$10,085	$13,961	$10,988	$14,826	$9,383	$9,753		
FYTD BCWS	$7,913	$20,638	$30,637	$41,177	$52,305	$65,706	$75,338	$85,336	$94,711	$102,690	$113,861	$124,267
FYTD BCWP	$6,543	$17,416	$27,265	$35,903	$43,470	$53,950	$60,654	$70,128	$80,038	$87,702		
FYTD ACWP	$3,613	$12,999	$21,844	$30,431	$40,516	$54,477	$65,465	$80,292	$89,675	$99,427		

COST VARIANCE ANALYSIS: (- $11.7M)

WBS/PBS **Title**

1.4.5.1.11/TP05 Maintain Safe & Compliant PFP (-$1.9M)

Description and Cause: The cost variance is primarily attributable to overtime usage created by a shortage of staff. Emergent work scope also is a contributory factor.

Impact: Potential deferral of routine maintenance activities.

Corrective Action: *Continue aggressive monitoring of cost control measures identified by the* PFP Financial Integration & Administration organization and implemented by Project Management.

1.4.5.1.14 Disposition of Nuclear Materials (-$1.0M)

Description and Cause: The cost variance is due to overtime usage required to compensate for staff shortages in the areas of the 234-5Z Bagless Transfer System (BTS) installation as well as repackaging and material storage activities.

Impact: *Potential delay in BTS startup activities.*

Corrective Action: Maintain aggressive Nuclear Operator training and clearance program that will allow these employees to work within the PFP Complex.

1.4.5.1.12/TP05 PFP Fee Allocation (-$1.6M)
Description and Cause: The cost variance is due to a point adjustment (-$471K) in May to adjust for delay in staff hiring ramp-up at the beginning of FY 2000. An increase in the fee accrual rate from 90 percent to 100 percent also is a contributory factor.
Impact: No impact.
Corrective Action: None required.

1.4.5.1.13/TP05 Stabilization of Nuclear Materials (-$5.7M)
Description and Cause: The unfavorable cost variance is due primarily increased plant support needed for procurement and installation of the $Mg(OH)_2$ glovebox and equipment, and other construction activities, and use of subcontract staff augmentation.
Impact: Construction not started on time; cost overruns can hurt overall plant project funding.
Corrective Action: Acceleration of schedule for procurement, construction is now complete and startup activities, including the ORR, have been accelerated.

1.4.5.1.15/TP05 Transition PFP (-$0.4M)
Description and Cause: Carryover scope from FY99 (Sampling follow-on, NDA); unforeseen lab costs due to PCBs; evaluation of remedial alternatives
Impact: Deferred tank characterization until FY 2001, no major impacts identified.
Corrective Action: BCR funding $395K, using FY 1999 carryover funds was implemented this month creating the positive cost variance. Balance is on funds management. Stopped work on largest remaining contract, minimal effort and cost for balance of FY.

SCHEDULE VARIANCE ANALYSIS: (- $15.0M)

WBS/PBS Title

1.4.5.1.13/TP05 Stabilize SNM (-$2.9M)
Description and Cause: The unfavorable schedule variance is due primarily to the behind schedule status on solutions and residue stabilization activities. Solution stabilization construction activities remain two months behind schedule with startup now planned for September 2000. Priority of residue stabilization activities is being modified from the baseline plan. Pipe-N-Go processing of Rocky Flats Ash has now become the number one priority rather than cementation of Sand, Slag, and Crucible (SS&C) material as previously identified in the baseline plan.
Impact: Delays in startup of Rocky Flats Ash residue processing and $Mg(OH)_2$ precipitation processing have been encountered. However, schedule recovery is expected by the end of FY 2000.
Corrective Action: A baseline change request is in progress that establishes the updated priority of residue processing that will, upon approval, significantly reduce the unfavorable schedule variance. Plans are also in place to stabilize residues and solutions exceeding baseline commitments even with a September processing start.

1.4.5.1.14/TP05 Disposition of Nuclear Material (-$11.8M)
Description and Cause: The unfavorable schedule variance is primarily due to delays in Line Item Project W-460, Plutonium Stabilization and Packaging System, definitive design and

construction. Facility construction modifications have not yet started as scheduled, due to deviations to the Definitive Design, required changes to the NEPA Supplement Analysis and approval of the Notice of Construction (NOC) by the Washington State Department of Health (WSDOH).

Impact: Potential delay in the startup of the Bagless Transfer and Stabilization system in 2736-ZB, which can impact stabilization activities in FY 2001.

Corrective Action: To assist in the recovery, a second BTS unit is being installed in the 234-5Z facility, which will enable BTS unit operation in FY 2000 as originally planned.

FUNDS MANAGEMENT
FUNDS VS SPENDING FORECAST ($000)
FY TO DATE THROUGH JULY 2000
(FLUOR HANFORD, INC. ONLY)

	Project Completion *			Post 2006 *			Line Items *		
	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance
The Plateau									
1.4.5 Nuclear Materials Stabilization									
TP05 Operating	113,389	117,345	(3,956)						
Line Item							17,577	9,789	7,788
Total Nuclear Mat. Stab. Operating	$ 113,389	$ 117,345	$ (3,956)						
Total Nuclear Mat. Stab. Line Item							$ 17,577	$ 9,789	$ 7,788

*Control Point

ISSUES

Technical Issues

Sixty-three (63) thermally stabilized items have not met Loss On Ignition (LOI) criteria for repackaging.

Impact: Reprocessing/retest of material could potentially impact the overall processing schedule and increase employee dose rates.

Corrective Action: Thermally stabilized items that did not initially meet Loss on Ignition (LOI) criteria for repackaging have been reprocessed and now meet LOI criteria. Additionally, a supercritical fluid extraction technology system designed specifically for moisture measurements has been purchased and is expected to be operational in September 2000. **This item is closed.**

DOE/Regulator/External Issues

- RCRA Permitting Part A revision for adding ignitability waste code was submitted to Ecology in support of Cementation startup.
- RCRA Permitting in support of Pipe-N-Go:
  - A revised Notice of Intent (NOI) to define storage locations at Plutonium Finishing Plant (PFP) was released for public review.
  - The required interim status Cementation documents, necessary to work under a Part A RCRA permit, have been completed and were submitted by RL to Ecology on July 20, 2000. These documents include inspection, waste analysis, training,

emergency/contingency and closure plans. Revised Part A to provide permitted storage at PFP has been transmitted to Ecology. Approval of Part A by Ecology is required prior to startup.

- Update interface agreement between PFP and Waste Management to define requirements and responsibilities to support CWC and Waste Isolation Pilot Plant acceptance of packaged residues.
- The PFP has requested DOE-RL to assist in expediting development of the Safety Analysis for Packaging Report (SARP) or Safety Evaluation for Packaging (SEP) required for transporting pipe overpack containers (POCs) from PFP to the Central Waste Complex.
- In a letter delivered to RL on August 15, 2000, NMS was informed that its Part A, form 3 request submitted to Ecology was denied. This request was submitted to establish permitted areas where Rocky Flats ash residues could be repackaged and temporarily stored, pending shipment to an already-permitted location in the CWC.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS ($000)

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY00 COST IMPACT $000	SCH	TECH	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
FSP-2000-001	14-Oct-99	Delete TRP-99-419, Complete Install. of Production Scale Vertical Calciner	$0			To be Canceled			On Hold
FSP-2000-043	2-May-00	Video Control Camera	$67	X	X	To be Canceled			On hold due to budget
FSP-2000-045	1-Dec-99	Implement PFP Int Proj Mgmt Plan Addendum I	$0	X	X				Ready for submittal FH CCB
FSP-2000-049	8-Jun-00	Submit Hanford. Mtrls. Forecast to RL (revise TRP-00-103 date)		X		16-Jun-00	21-Jun-00	24-Jul-00	Complete
FSP-2000-050	9-Jun-00	Project W-460: Procure Calorimeters/Outer Can Welder	$1,640>	X	X	16-Jun-00			At FHI CCB for approval
FSP-2000-051	16-Jun-00	HEPA Filter Vulnerability Assessment	$38	X	X				In Work
FSP-2000-053	2-May-00	Backflow Preventers	$160	X	X	31-Jul-00	2-Aug-00	22-Aug-00	Complete
FSP-2000-061	14-Jul-00	Badgehouse X-ray Machine	$400	X	X	31-Jul-00			In work
FSP-2000-063	18-Jul-00	Rebaseline Project W-460	TBD	X	X				In work
FSP-2000-069	21-Jul-00	Rebaseline TP-12, Transition Project Management	TBD	X	X				In work
FSP-2000-062	21-Jul-00	PFP Residue Stabilization Rebaseline	TBD	X	X	Cancel, part of Bridge			In work
FSP-2000-074	21-Jul-00	Rebaseline PFP Polycube Stabilization	TBD	X	X				In work
ADVANCE WORK AUTHORIZATIONS									
		None in work at this time							

MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2000
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	1	1	0	0	0	0	0	2
DOE-HQ	0	0	0	1	0	0	0	1
RL	2	0	2	4	0	3	0	11
Total Project	3	1	2	5	0	3	0	14

Tri-Party Agreement / EA Milestones

Tri-Party Agreement Milestone M-15-37A (TRP-00-501), **"Deliver Two (2) Tank Z-241-Z-361 Core Samples to 222-S"**, due 10/30/99

Green

- Completed 1 month early (9/28/99)

Tri-Party Agreement Milestone (TRP-00-511), **"Deliver Two (2) Tank 241-Z-361 Core Sample Validated Data Packages to EPA"**, due 5/31/00

Green

- Completed On Schedule

DNFSB Commitments

DNFSB Milestone IP-113 (TRP-00-500), **"Install 2 LANL Pyrolysis Units for Stabilization of Polycubes at PFP"**, due 12/31/99

Green

- A BCR to remove pyrolysis stabilization of polycubes and implement thermal stabilization in its stead has been approved by RL and implemented into the baseline.

MILESTONE EXCEPTION REPORT

Number/WBS	Level	Milestone Title	Baseline Date	Forecast Date

OVERDUE –5

TRP-00-500 1.4.5	**HQ**	Install Two Los Alamos National Laboratory (LANL) Pyrolysis Units for Stabilization of Polycubes	12/31/99	Proposed Deletion

Cause: See DNFSB Commitment above.

Corrective Action: A BCR to remove pyrolysis stabilization of polycubes and implement thermal stabilization in its stead has been approved by RL and implemented into the baseline. However, this is a HQ milestone and cannot be removed from the list.

TRP-00-504	**RL**	Restart Cementation Operations	04/21/00	FY 2001
1.4.5				

Cause: Stabilization processing has been re-sequenced.
Corrective Action: None, as the global stabilization end point will remain the same.

TRP-00-507	**RL**	Begin Stabilizing Solutions via	07/25/00	09/12/00
1.4.5		$Mg(OH)_2$ precipitation		

Cause: FY 1999 funding issue impacted original baseline schedule.
Corrective Action: None.

TRP-00-508	**RL**	Complete 2 of 5 Criticality Alarm Panel	06/30/00	Proposed
1.4.5		(CAP) Upgrades		Deletion

Cause: The Baseline Change Request is now approved.
Corrective Action: Update the milestone database to reflect this recent change.

TRP-00-510	**RL**	Complete Annual Revision to the IPMP	05/31/00	08/09/00
1.4.5				

Cause: Extended comment resolution.
Corrective Action: None.

FY 1999 Overdue – 2

TRP-99-419	**RL**	Complete Installation of Production	09/30/99	Proposed
1.4.5		Scale Vertical Calciner		Deletion

Cause: The production scale vertical calciner has been replaced with the Magnesium Hydroxide Precipitation process.
Impact: No impact. This milestone is obsolete.
Corrective Action: Since installation and testing of the production scale vertical calciner is an EM-65 Management Commitment, the Department of Energy, Richland Office (DOE-RL) change control process cannot remove this milestone.

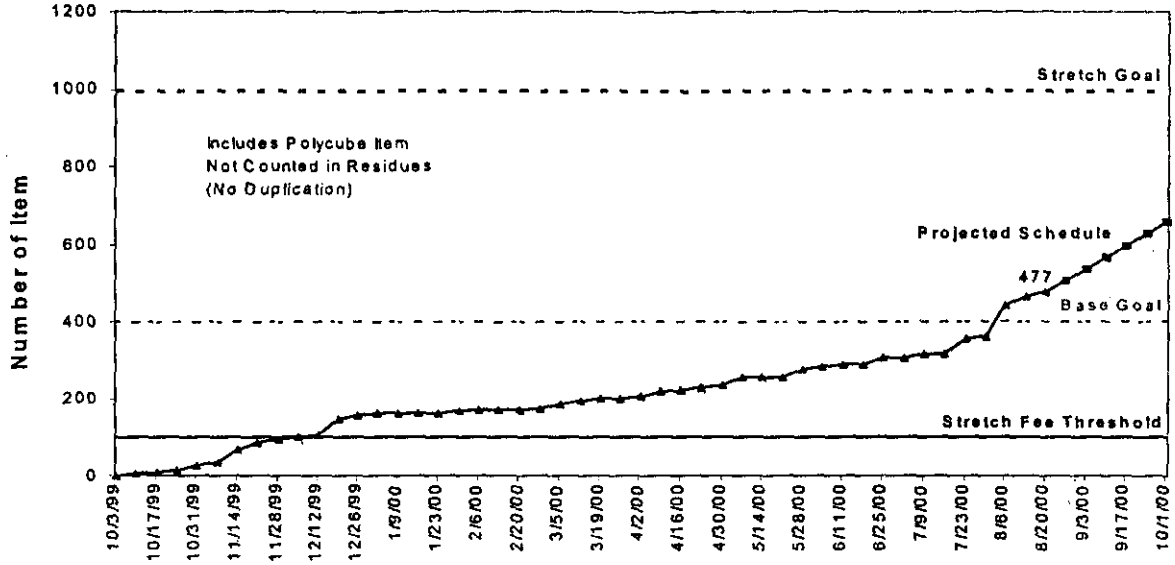
TRP-99-500	**HQ**	Complete Installation & Testing of	09/30/99	Proposed
1.4.5		Production Vertical Calciner		Deletion

Cause: The production scale vertical calciner has been replaced with the Magnesium Hydroxide Precipitation process.
Impact: No impact. This milestone is obsolete.
Corrective Action: Since this milestone is a DOE-HQ milestone and is part of the DOE-HQ 1998 DNFSB Recommendation 94-1 Implementation Plan, the Department of Energy, Richland Office change control process cannot remove this milestone. However, this milestone will be removed upon approval of the revised DOE-HQ DNFSB Recommendation 94-1 Implementation Plan.

PERFORMANCE OBJECTIVES

Green

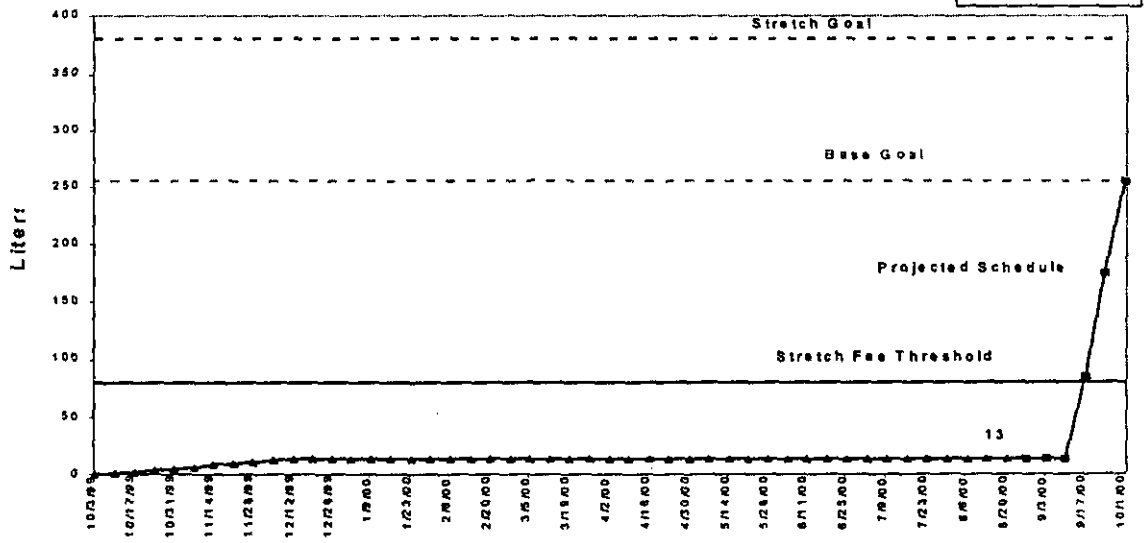
Oxides/Metals/Polycubes Stabilization



	10/3	10/17	11/7	11/21	12/12	12/26	1/9	1/30	2/13	3/5	3/19	4/9	4/23	5/7	5/28	6/11	7/2	7/16	7/30	8/20	9/3	9/24
Oxides Stretch Goal	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Oxides Base Goal	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
Oxides Actual	0	10	35	67	107	157	164	169	174	189	201	221	226	255	277	290	307	317	360	477		
Oxides Projected Schedule																				477	537	827
Stretch Fee Threshold	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

Solution Stabilization

Yellow

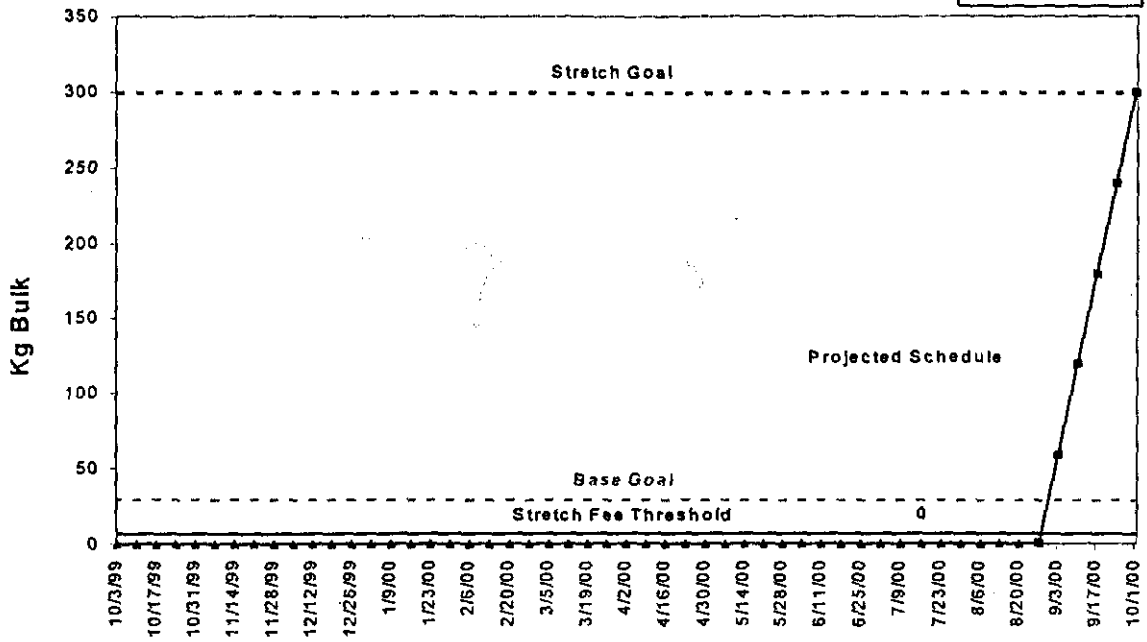


	10/3	10/17	10/31	11/21	12/5	12/19	1/2	1/16	2/6	2/20	3/5	3/19	4/8	4/23	5/7	5/21	6/4	6/25	7/9	7/23	8/6	8/20	9/10	9/24
Solutions Stretch Goal	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350
Solutions Base Goal	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255
Solutions Actual	0	2	5	9	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13		
Solutions Projected Schedule																						13	13	178.0
Stretch Fee Threshold	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60

FH ORR complete; DOE ORR targeted to begin August 25, 2000. Aggressively pursing construction completion in support of stabilization activities.

Residues Stabilization

Yellow



	10/3	10/17	11/7	11/21	12/12	12/26	1/9	1/30	2/13	3/5	3/19	4/9	4/23	5/7	5/28	8/11	7/2	7/16	7/30	8/20	9/3	9/24
Residues Stretch Goal	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
Residues Base Goal	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
Residues Actual	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Residues Projected Schedule																				0	60	240
Stretch Fee Threshold	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7

Update baseline schedules for new start-up date and adjust ash schedule for preparatory work.

KEY INTEGRATION ACTIVITIES

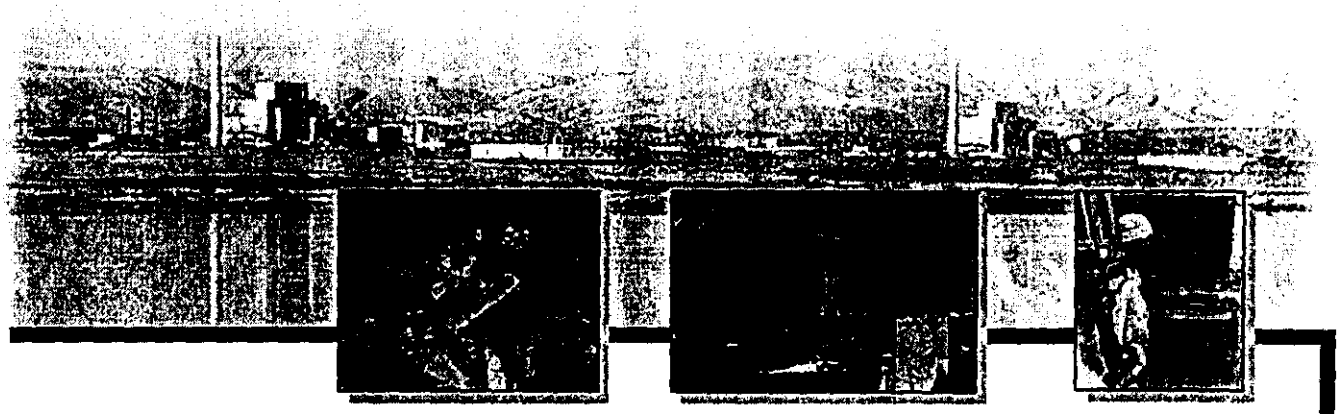
- Working on interface agreement between PFP and Waste Management to define requirements and responsibilities to support Central Waste Complex (CWC) and Waste Isolation Pilot Plant (WIPP) acceptance of packaged residues. This support includes security upgrades and issuance of Criticality Safety Evaluation (CSER) and Safety Analysis Report for Packaging (SARP) documentation.

- Joint PNNL/Plutonium Process Support Laboratories (PPSL) $Mg(OH)_2$ continues:
  - Status meeting with PNNL, PFP and DOE RL.
  - PPSL preparing to conduct scale testing with test set up developed by PNNL.
  - Downloaded solutions (1 product receiver (PR) container) in room 227 to support Phase II testing by PPSL.

- Fluor Hanford and Westinghouse Savannah River are jointly developing the Outer Can Welder (OCW) that will help standardize welding of 3013 containers (Department of Energy Standard 3013-99).

The River

Restoring the river corridor is one of the outcomes Hanford must focus on to move forward with cleanup. The PHMC supports this outcome with activities such as moving the spent nuclear fuel, cleaning up the waste sites, and taking down surplus facilities. Projects supporting this effort are Facility Stabilization (River Corridor), Spent Nuclear Fuel, and Science & Technology (EM-50) activities.



Section C:2
River Corridor

PROJECT MANAGERS
P.M. Knollmeyer, RL
(509) 376-7435

N. Boyter, FH
(509) 373-3725

SUMMARY

The River Corridor Project consists of the following projects: 300 Area Liquid Effluent Facility (LEF) WBS 1.2.3.2, Project Baseline Summary (PBS) WM05; B-Plant, WBS 1.4.1, PBS TP01; 300 Area/Special Nuclear Materials, WBS 1.4.4, PBS TP04; Transition Project Management, WBS 1.4.6, PBS TP12; Accelerated Deactivation, WBS 1.4.8, PBS TP10; 324/327 Facility Transition, WBS 1.4.10, PBS TP08; and Hanford Surplus Facility Program (300 Area Revitalization), WBS 1.4.11, PBS TP14.

PBS WM05 is divided between WBS 1.2.3.1, Liquid Effluents (200 LEF) and WBS 1.2.3.2, 310 TEDF/340 Facility (300 LEF). The 310 TEDF/340 Facility work scope is now included in the River Corridor Project, whereas the Liquid Effluents (200 LEF) work scope has remained in Waste Management. For the purpose of performance analysis, PBS WM05 is reported in its entirety in the Waste Management Project, which has the majority of the work scope and funding incorporated in their baseline.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, Milestone Achievement, Metrics and Cost/Schedule data contained herein is as of July 31, 2000. All other information is as of August 23, 2000.

Actions required to close out the B Plant transfer Memorandum of Agreement (MOA) with the Environmental Restoration Contract (Bechtel Hanford, Inc.) were completed 10 days ahead of the Washington State Department of Health (WDOH) due date of July 28, 2000. Effective August 9, 2000, Bechtel Hanford, Inc. has assumed full responsibility for surveillance and maintenance of B Plant and the associated ventilation system.

Progress continues toward Accelerated Deactivation of the 327 Facility with an additional 14 fissile specimen containers transferred from dry storage for a total of 239 of the planned 297 containers. Additionally, the third shipment of lead-lined drums from the 327 Building to the Central Waste Complex was completed on August 22, 2000, using the newly procured PF-21 overpacks. Up to ten such shipments are planned this year to support Performance Incentive RC-2SS.

An additional ten backlog Low Level Waste drums have been shipped from the 324 Building for a total of 80 out of 88. In-cell cleanup of 324 B Cell dispersible mixed waste and size reduction of remaining pieces of minor equipment for packaging and removal is more than 20% complete. This is a major requirement in satisfying Tri-Party Agreement Milestone M-89-02.

The DOE Executive Evaluation Report received from RL in late July regarding the 300 Area Accelerated Closure Project Plan was very favorable. Submittal of the 300 Area Accelerated Closure Plan completed the deliverable for Performance Incentive FH-RC-5SS (PBS TP-14) to develop an innovative and integrated plan, schedule, and cost estimate for the accelerated closure of a significant portion of the 300 Area.

The Accelerated Deactivation Project is making good progress with 64 T-hoppers shipped to Portsmouth, Ohio as of August 22, 2000. All 184 T-hoppers have been painted in preparation for shipment to Portsmouth, Ohio. Preparations have also begun for shipment of excess uranium billets to Portsmouth, Ohio.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that four of five milestones (80 percent) were completed on or ahead of schedule and one milestone is overdue. The Milestone Achievement details, found following cost and schedule variance analysis, provide further information on all milestone types.

ACCOMPLISHMENTS

An Ergonomic Program Plan directed at reducing the risk of musculoskeletal injuries was developed and implemented at RCP. The Hot Cell Technicians at the 324/327 Buildings are the first classification of workers to be evaluated in the plan.

In-cell cleanup of 324 B Cell dispersible mixed waste and size reduction of remaining pieces of minor equipment for packaging and removal is more than 20% complete. Additionally, 80 of 88 backlog low level waste drums have been shipped, and lead shield plug size reduction and packaging is complete.

Planning and field activities including mock-up training to support the first shipment of 324 Building mixed waste in Steel Waste Disposal Box (SWDB) containers to the Central Waste Complex is in process. Transfer of the first SWDB is scheduled for the last week in August.

The 300 Area Liquid Effluent Facility treated 5.8 million gallons of water for the month of July.

The 300 Area Liquid Effluent Facility current Fiscal Year Spend Forecast (FYSF) is projecting a favorable variance of $1,317K or 21.1 percent of the original budget.

The third shipment of lead-lined drums from the 327 Building to the Central Waste Complex was completed on August 22, 2000, using the newly procured PF-21 overpacks. Up to ten such shipments are planned this year to support Performance Incentive RC-2SS.

An additional 14 fissile specimen containers from 327 dry storage were removed bringing the total to 239 out of 297 for fiscal year to date.

The DOE Executive Evaluation Report received from RL in late July regarding the 300 Area Accelerated Closure Project Plan is very favorable. The innovative, integrated plan includes the schedule and cost estimate for the accelerated closure of a significant portion of the 300 Area.

All 184 T-hoppers have been painted to prepare for shipment to Portsmouth, Ohio. As of August 22, 2000, 64 T-hoppers had been shipped to Portsmouth, Ohio. In addition, preparations have begun for excess uranium billet shipment.

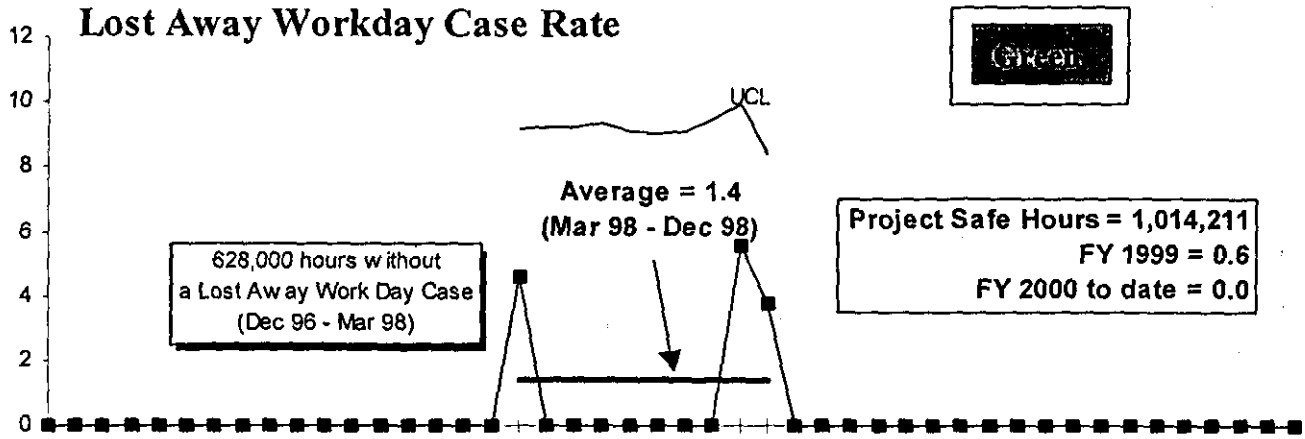
Kudos were given to the 200 Area Accelerated Deactivation staff when RL conducted a

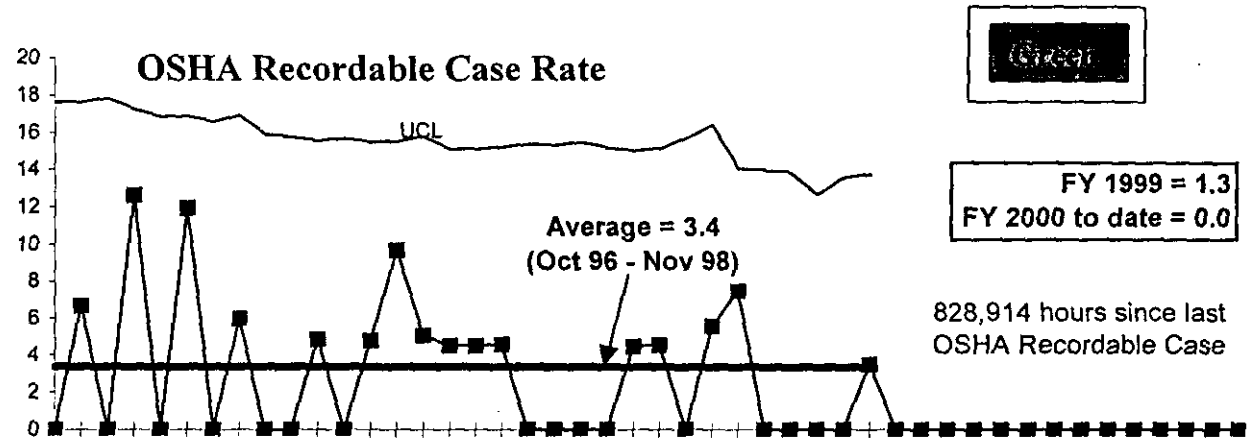
surveillance of the Project's 242B/BL facility. The report noted that when the facility was initially entered in February 1999, a significant amount of biological contamination (e.g., dead mice and mouse feces) was found. RL noted 200 Area ADP's Good Practice in the surveillance as "rather than making every cleanup of biological hazards an ad hoc process, 200 Area ADP created and utilized a documented and well-thought-out approach for *Cleanup of Biologically Contaminated Areas.*" Cleanup of 242-B/BL is approximately 70 percent complete.

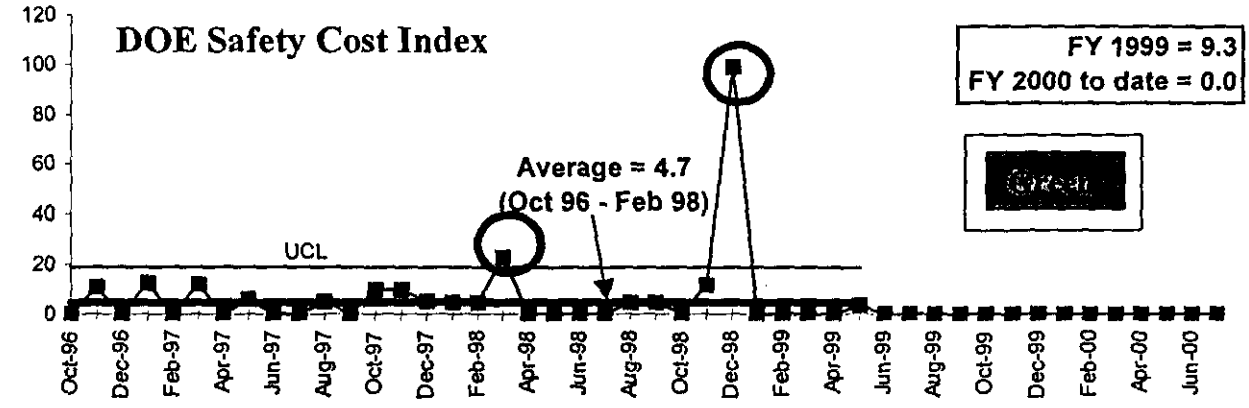
Effective August 9, 2000, Bechtel Hanford, Inc. has assumed full responsibility for surveillance and maintenance of B Plant and the associated ventilation system.

SAFETY

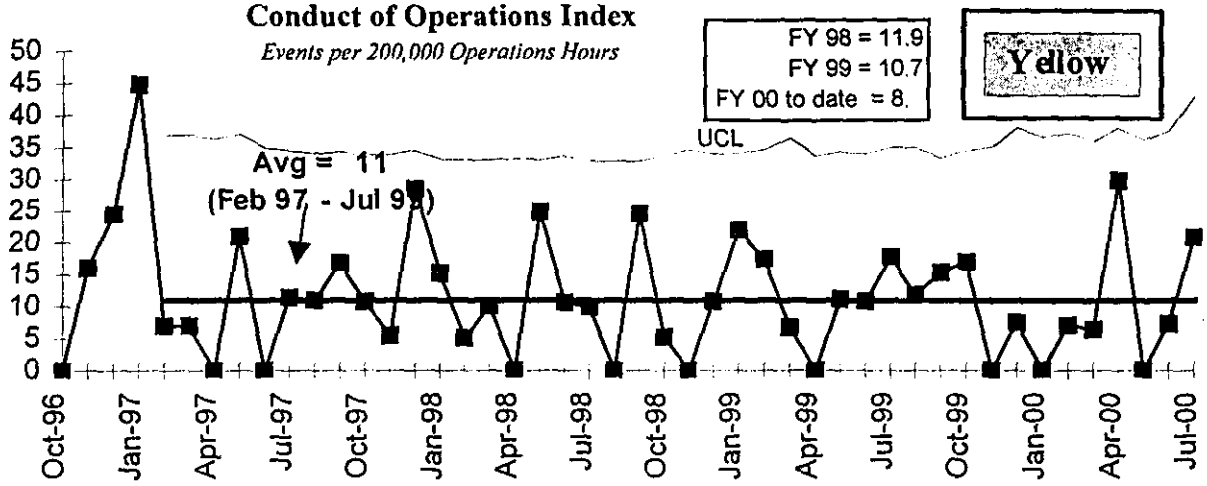
Significant decreases in Occupational Safety and Health Act (OSHA) recordable case rate and in DOE Safety Cost Index have recently occurred. The project has exceeded 750,000 hours without an OSHA recordable. The project has an overall green rating - stable at excellent rates.

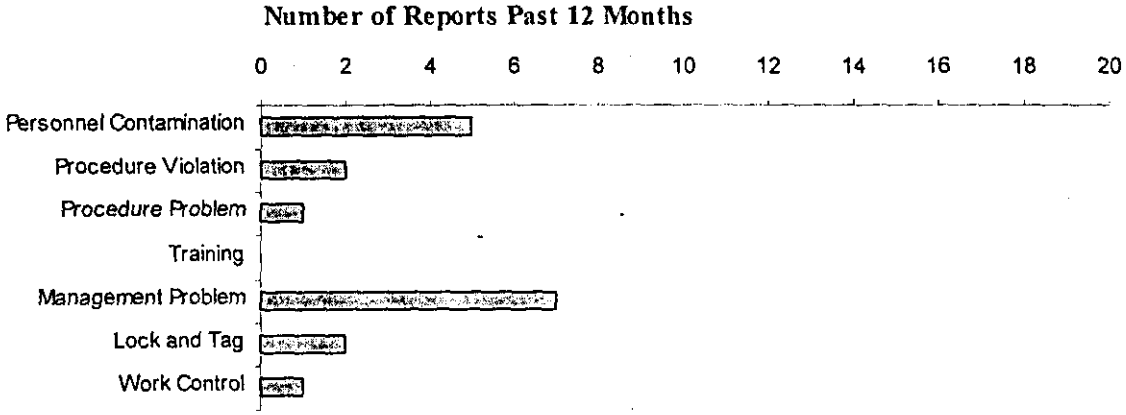

Lost Away Workday Case Rate
Green
UCL
Average = 1.4
(Mar 98 - Dec 98)
628,000 hours without
a Lost Away Work Day Case
(Dec 96 - Mar 98)
Project Safe Hours = 1,014,211
FY 1999 = 0.6
FY 2000 to date = 0.0
12
10
8
6
4
2
0


OSHA Recordable Case Rate
Green
UCL
Average = 3.4
(Oct 96 - Nov 98)
FY 1999 = 1.3
FY 2000 to date = 0.0
828,914 hours since last
OSHA Recordable Case
20
18
16
14
12
10
8
6
4
2
0


DOE Safety Cost Index
FY 1999 = 9.3
FY 2000 to date = 0.0
Green
Average = 4.7
(Oct 96 - Feb 98)
UCL
120
100
80
60
40
20
0
Oct-96
Dec-96
Feb-97
Apr-97
Jun-97
Aug-97
Oct-97
Dec-97
Feb-98
Apr-98
Jun-98
Aug-98
Oct-98
Dec-98
Feb-99
Apr-99
Jun-99
Aug-99
Oct-99
Dec-99
Feb-00
Apr-00
Jun-00

CONDUCT OF OPERATIONS / ISMS STATUS





ISMS STATUS

- ISMS Internal Readiness Review (IRR) completed; closure plan in progress
- Phase I Verification successfully completed April 28, 2000
- ISMS Phase II Verification successfully completed July 13, 2000
- Discipline Lead for FH Center of Expertise identified August 15, 2000

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs

- **Savings Through Alternative Disposition Strategy** - Final disposition of Unirridiated Uranium fuel elements to low-level waste burial grounds vs. packaging and transportation to Portsmouth, Ohio for interim storage

Yellow

will save in excess of $1M.

- **300 Area Accelerated Closure Plan** - Based on the preparation of the 300 Area Accelerated Closure Plan an opportunity to accelerate closure of a significant portion of the 300 Area nearly four decades ahead of the current deactivation plan for an estimated savings of over $1.0B.

Opportunities for Improvement

- **324 Project Planning/Execution** — An emphasis on improved schedule management to ensure that critical path negative float is recovered to positive float continues. Critical path method analysis of baseline schedule and improvements to waste packaging and disposition have lead to several schedule sequence changes devised to improve baseline performance. As work progresses, the need to re-sequence will continue to be assessed.

- **327 Building Conduct of Operations** — Deactivation project work activities were temporarily curtailed by the facility management to focus efforts on procedure upgrades and Conduct of Operation concerns. After a five-week effort, the deactivation work was reinstituted utilizing new procedures. Senior management oversight continues to review the daily work plans and oversee work evolutions in the facility.

UPCOMING ACTIVITIES

- **300 Area Waste Acid Treatment System (WATS) Resource Conservation and Recovery Act (RCRA) Closure Activities** — The final report due to RL has been delayed until September 2000 due to the review and comment cycle with Washington Department of Ecology (WDOE). A baseline change request has been submitted to delete the milestone, TRP-99-301, *"Submit Final Report on WATS Closure Activities to RL."*

- **Uranium Disposition** — Complete T-hopper shipments to Portsmouth, Ohio by September 28, 2000.

- **TPA Milestone M-89-02** — Complete Removal of 324 Building Radiochemical Engineering Cell (REC) B Cell Mixed Waste (MW) and Equipment by November 2000.

COST PERFORMANCE ($M):

	BCWP	ACWP	VARIANCE
River Corridor Project	$49.8	$44.7	$5.1

The $5.1 million (10.0 percent) favorable cost variance is primarily due to performing 327 accelerated deactivation work scope and the Fluor Project Management Team re-structuring. Further information at the PBS level can be found in the following Cost Variance Analysis details.

SCHEDULE PERFORMANCE ($M):

	BCWP	BCWS	VARIANCE
River Corridor Project	$49.8	$48.7	$1.2

The $1.2 million (2.0 percent) favorable schedule variance is within the established threshold. Further information at the PBS level can be found in the following Schedule Variance Analysis details.

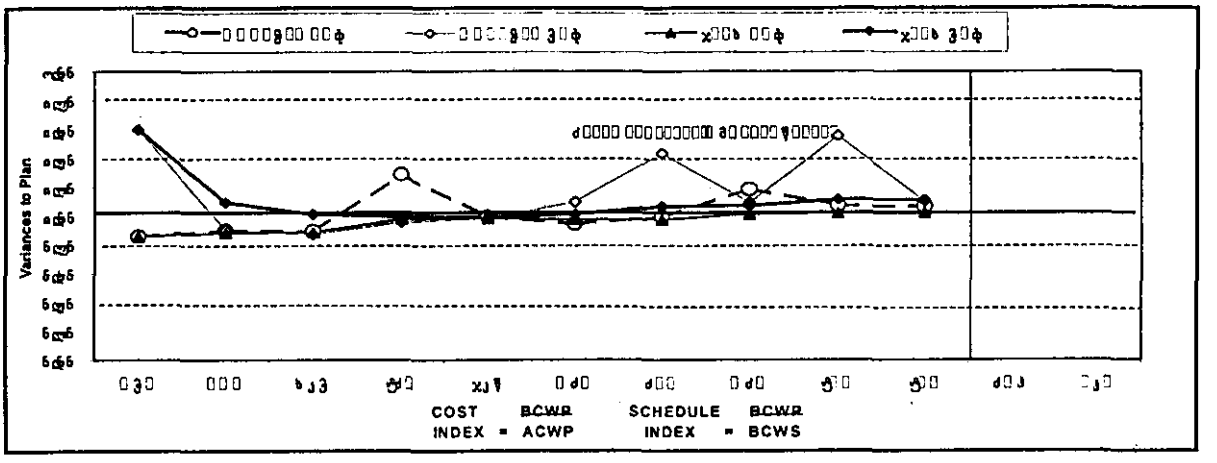
FY 2000 COST/SCHEDULE PERFORMANCE – ALL FUND TYPES CUMULATIVE TO DATE STATUS – ($000)

[redacted]

		FYTD									
	By PBS	BCWS	BCWP	ACWP	SV	%	CV	%	PEM	EAC	
PBS TP01 WBS 1.4.1	B-Plant	$ 460	$ 457	$ 535	$ (3)	0%	$ (78)	0%	$ 460	$ 549	
PBS TP04 WBS 1.4.4	300 Area/ Special Nuclear Materials	$ 2,149	$ 2,145	$ 2,093	$ (4)	0%	$ 52	2%	$ 2,654	$ 2,908	
PBS TP12 WBS 1.4.6	*Transition Program* Management	$ 13,643	$ 13,683	$ 11,127	$ 40	0%	$ 2,556	19%	$ 16,708	$ 13,312	
PBS TP10 WBS 1.4.8	Accelerated Deactivation	$ 1,715	$ 1,714	$ 1,663	$ (1)	0%	$ 51	3%	$ 2,113	$ 2,099	
PBS TP08 WBS 1.4.10	324/327 Facility Transition	$ 27,953	$ 29,086	$ 26,918	$ 1,133	4%	$ 2,168	7%	$ 33,940	$ 32,925	
PBS TP14 WBS 1.4.11	Hanford Surplus Facility Program (300Area Revitalization)	$ 2,748	$ 2,761	$ 2,409	$ 13	0%	$ 352	13%	$ 2,874	$ 2,874	
	Total	$ 48,668	$ 49,846	$ 44,745	$ 1,178	2%	$ 5,101	10%	$ 58,749	$ 54,667	

Notes: RL-Directed costs (steam and laundry) are included in the PEM BCWS. Transition Project Management includes NMS portion of TP12. 310 TEDF/340 Facility performance data is reported under PBS WM05 (Waste Management).

COST/SCHEDULE PERFORMANCE INDICES (MONTHLY AND FYTD)



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.86	0.90	0.89	1.29	1.00	0.94	0.99	1.19	1.07	1.07		
MONTHLY CPI	1.60	0.90	0.87	0.86	0.98	1.10	1.44	1.09	1.58	1.11		
FYTD SPI	0.86	0.88	0.89	0.98	0.98	0.97	0.98	1.01	1.02	1.02		
FYTD CPI	1.60	1.10	1.01	0.99	0.99	1.01	1.07	1.07	1.11	1.11		
MONTHLY BCWS	$3.649	$5.158	$4.089	$3.855	$4.290	$5.980	$5.433	$6.651	$5.259	$4.304	$5.353	$4.728
MONTHLY BCWP	$3.131	$4.646	$3.654	$4.973	$4.270	$5.635	$5.398	$7.894	$5.644	$4.601		
MONTHLY ACWP	$1.954	$5.141	$4.195	$5.206	$4.357	$5.135	$3.750	$7.221	$3.626	$4.161		
FYTD BCWS	$3.649	$8.807	$12.896	$16.751	$21.041	$27.021	$32.454	$39.105	$44.364	$48.668	$54.020	$58.749
FYTD BCWP	$3.131	$7.777	$11.431	$16.404	$20.674	$26.309	$31.707	$39.601	$45.245	$ 49.846		
FYTD ACWP	$1.954	$7.095	$11.290	$16.496	$20.853	$25.988	$29.738	$36.958	$40.584	$ 44.745		

COST VARIANCE ANALYSIS: (+$5.1M)

WBS/PBS **Title**

1.4.10/TP08 ***324/327 Facility Transition***

Description and Cause: The favorable cost variance is primarily due to performing 327 Facility accelerated deactivation work scope through work scope deletions and efficiencies.
Impact: Out year work scope is completed ahead of schedule.
Corrective Action: None.

1.4.6/TP12 **Transition Project Management**

Description and Cause: The favorable cost variance is primarily due to the Fluor Project Management Team re-structuring which has mapped personnel from the sub-project to other sub-projects (i.e. Nuclear Material Stabilization), resulting in underruns in labor and contractor support.
Impact: No impact.
Corrective Action: Although this PBS reflects a substantial cost variance, the funding is less than the scope.

1.4.11/TP14 HSFP 300 Area Revitalization
Description and Cause: The favorable cost variance is primarily due to lower than planned costs in associated with Accelerated Closure Plan activities.
Impact: No impact.
Corrective Action: Any underruns in funding will be utilized to support super stretch activities and emerging work scope.

All other PBS variances are within established thresholds.

SCHEDULE VARIANCE ANALYSIS: ($1.2M)

All PBS variances are within established thresholds.

FUNDS MANAGEMENT
FUNDS VS SPENDING FORECAST ($000)
FY TO DATE THROUGH JULY 2000
(FLUOR HANFORD, INC. ONLY)

	Project Completion *			Post 2006 *			Line Items *		
	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance
The River									
1.4 River Corridor									
TP01,TP04,TP08,TP10,TP12,TP14,WM05	47,754	48,488	(734)	5,168	4,920	248			
Line Item							278	159	119
Total River Corridor Operating	$ 47,754	$ 48,488	$ (734)	$ 5,168	$ 4,920	$ 248			
Total River Corridor Line Item							$ 278	$ 159	$ 119

* Control Point

This reflects FH Project structure, which divides certain PBS's between projects (WM05 – WM and RCP, TP12—RCP and NMS). Consequently, these figures will differ from others reported elsewhere in this report (as generated in the PERM system).

ISSUES

Technical Issues

Issue: B Plant Filter Changeout – Overdue calibration of equipment on the B Plant exhaust system has delayed the aerosol challenge test for ACT 1 and restart of the exhaust stack.

Impact: Operation of exhaust system delayed until repairs are completed. Continues to accrue costs for required surveillances while system is non-operational. Final costs are exceeding revised baseline of $350K. Additionally, this may cause delay in meeting the July 28, 2000 date for restart of the ventilation system as agreed to with Washington State Department of Health (WDOH).

Corrective Action: The July 28, 2000 deadline was met 10 days early. Effective August 9, 2000, BHI assumed full responsibility for surveillance and maintenance of B Plant and the associated ventilation system. This is the last report on this issue.

DOE/Regulator/External Issues

Issue: While the current schedule for completing M-89-02, "Complete Removal of 324 Building Radiochemical Engineering Cells (REC) B Cell Mixed Waste (MW) and Equipment," is targeting completion on schedule, there is not schedule contingency for equipment failure.

Impacts: Timely completion of the milestone could be placed in jeopardy if an equipment failure were to occur.

Corrective Action: A review of the options has been completed by the contractor and recommendation transmitted to RL.

Issue: Approval by DOE-HQ of the Unirradiated Uranium (UU) billet Safety Analysis Report for Packaging (SARP), Revision K, is required by August 15, 2000 if any shipment is to be made during FY 2000 as requested by the customer.

Impacts: Failure to gain approval on or before August 15, 2000, may jeopardize the shipment schedule for the billets, thus losing the opportunity to complete the Tri-Party Agreement milestone (MX-92-06-T1) for billet transfer by December 31, 2000.

Corrective Action: A SARP limiting shipments to three billets per box, rather than the planned five, was received on August 18, 2000. Working with this SARP will cause both a cost and schedule increase. A revised SARP allowing five billets per box is expected by the end of September 2000.

Issue: An opportunity exists for receipt of PNNL facilities into TP-14. Although facility transfer is contrary to DOE-HQ guidance into EM (pipeline moratorium), PNNL does have funds for FY 2001/2002 Surveillance and Maintenance (S&M) identified for transfer to FH.

Impacts: Current PNNL funding for FY 2001/2002 S&M may not be available when the moratorium ends, jeopardizing efficiencies realized through combining these facilities into TP-14.

Corrective Action: Request approval from RL to determine if identified funds are adequate and to explore possibility of getting a waiver to the moratorium.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS ($000)

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY00 COST IMPACT	SCH	TECH	DATE To FH CCB	FH CCB APR'VD	RL APR'VD	CURRENT STATUS
FSP-00-002	11/2/99	Mark-42 Project Completion	$0		X	04/05/00			Additional funding requested
FSP-00-047	5/24/00	Rebasline PBS #RL-TP10 "Accelerated Deactivation"	$0	X	X	06/22/00	06/29/00	08/01/00	Approved
FSP-00-048	6/5/00	RL/HQ Moratorium on Transfer of Facilities	$0	X		06/19/00	07/24/00		With RL for approval
FSP-00-058	6/28/00	Defer Robotics Activities	-$119	X	X	07/12/00	07/19/00	N/A	Approved
FSP-00-059	6/29/00	Increase in TRU Grout Containers	$323		X	07/28/00	08/02/00	N/A	Approved
FSP-2000-064R1	8/7/00	FHA Implementation	$20		X				Draft Prepared
FSP-2000-065	7/18/00	Defer Engineering Studies	-$111	X	X	07/28/00	08/02/00	N/A	Approved
FSP-2000-066	7/18/00	Defer PNNL Legacy Waste	-$47	X	X	N/A	N/A	N/A	Approved at Project Level
FSP-2000-067	7/19/00	Defer Robotics Scope	-$96	X	X	N/A	N/A	N/A	Approved at Project Level
FSP-2000-068	7/20/00	224-T Characterization	$180		X				On-Hold
FSP-2000-070	7/25/00	Added SWDB Shipments	$140		X	07/28/00	08/02/00	N/A	Approved
FSP-2000-071	7/26/00	Defer 324 Building Scope	-$260	X	X	07/28/00			Pending FH Change Board
FSP-2000-072	7/27/00	MYWP Submittal (Phase I)	$0	X	X				Draft Prepared
FSP-2000-075	8/3/00	Uranium Disposition Project	$400		X				Draft Prepared
FSP-2000-076	8/7/00	Change Shipping Method for LLOs	$0		X				Draft Prepared
FSP-2000-077	8/8/00	Install Back-Flow Prevention	$0		X				Draft Prepared
TBD		Defer 324 BuildingScope	-$487	X	X				In Development
TBD		Delete 324 Building Scope	-$115	X	X				In Development
ADVANCE WORK AUTHORIZATIONS									
AWA	7/18/00	Uranium Dispostion Project activities	$400		X	7/19/00	7/20/00	07/26/00	FSP-2000-075
AWA	7/10/00	Characterization of 224-T Facility	$180		X	7/11/00	7/11/00	07/13/00	FSP-2000-068
AWA	8/2/00	FHA Implementation	$20		X	8/2/00	8/3/00	08/03/00	FSP-2000-064R1

MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2000
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	1	0	0	0	0	0	0	1
DNFSB	0	0	0	0	0	0	0	0
DOE-HQ	0	0	0	0	0	0	0	0
RL	2	1	0	1	0	0	0	4
Total Project	3	1	0	1	0	0	0	5

Green

Tri-Party Agreement / EA Milestones
M-92-13 (TRP-00-902), " Submit 300 Area SCW Project Management Plan to Ecology Pursuant to Agreement Action Plan Section 11.5," due 9/29/00 • Completed 6 months early (3/28/00).
M-92-14 (TRP-02-901), "Complete Removal of Phase I 300 Area Special Case Waste and Materials," due 9/30/02 • Completed 30 months early (03/28/00) pending acceptance of the plan by Ecology.
M-89-02 (TRP-99-901), "Complete Removal of 324 Building Radiochemical Engineering Cells (REC) B Cell Mixed Waste (MW) and Equipment," due 11/30/00 • Work towards completion of M-089-02 continues on schedule.
DNFSB Commitments
Nothing to report.

MILESTONE EXCEPTION REPORT

Number/WBS	Level	Milestone Title	Baseline Date	Forecast Date

OVERDUE – 1

TRP-99-933 1.4.10	**RL**	Containerize Dispersible Under 2A Rack	04/30/00	09/11/00

Cause: It has been determined it is more efficient to complete dispersible collection once size reduction of miscellaneous items is completed.
Impact: No impact.
Corrective Action: No corrective action is required.

FORECAST LATE – 0

PERFORMANCE OBJECTIVES

Yellow

Outcome	Performance Indicator	Status
Restore the River Corridor for Multiple Uses	FDH-RC-2 Accelerate 324/327 Deactivation.	On track – no issues. Current Life Cycle Schedule Variance 0.7% and Life Cycle Cost Variance 1.0%. Total float is at 60 days.
	FDH-RC-2SS Continue Acceleration of 324/327 Deactivation – Complete 327 Facility accelerated deactivation activities by September 2000.	On track – four new PF-21 shipping containers were received, but with deficiencies that had to be resolved prior to acceptance. Rework has required additional plant resources, impacting critical path for completion of this work scope. The third shipment of lead-lined drums was completed on August 22, 2000.
	FDH-RC-3SS Disposition Uranium Complete disposition of ~1865 Metric Tons (MT) of Hanford Uranium by September 2000.	Unrecoverable – RL has directed the shipment of UO_3 and billets with RL identified funds.
	FDH-RC-5SS Accelerate 300 Area Closure Project.	Complete – Plan issued June 30, 2000. Feedback received in DOE Executive Evaluation Report is positive.
	FDH-RC-5SS-2 Accelerate Cleanup of zone 4 of 300 Area.	Unrecoverable – No funds identified to support completion of physical work. Engineering Evaluation/Cost Estimate is in process.
Multiple	Comprehensive performance	All baseline work projected to be complete per PI requirements.

KEY INTEGRATION ACTIVITIES

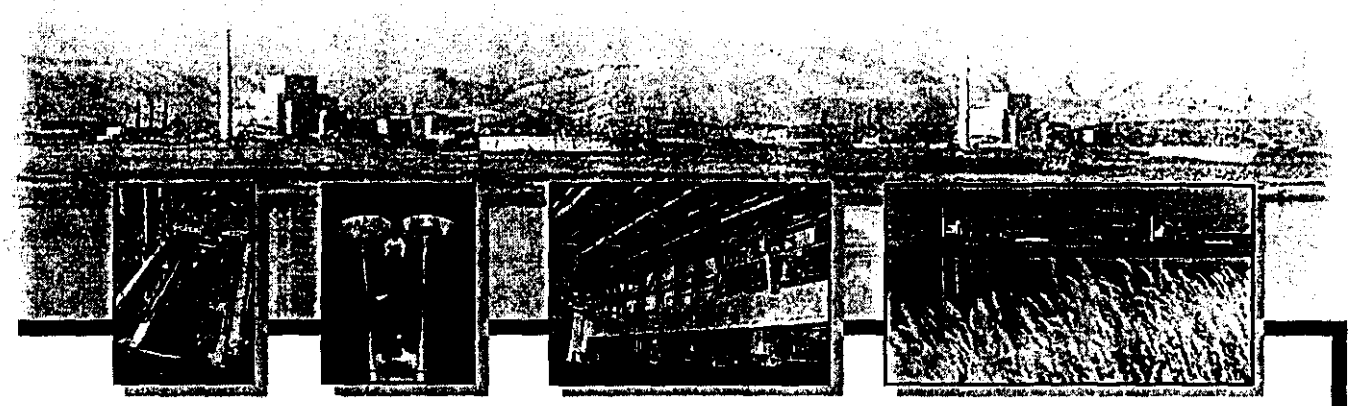
- Continue implementation of National Facility Deactivation Initiative (NFDI) DOE-complex implementation plan. Key accomplishments include a deactivation plan for Savannah River Site's F Canyon; evaluation of buildings for transfer into DOE-EM at Oak Ridge, Pantex, and Hanford; stabilization assistance for Brookhaven's High flux Beam Reactor; deactivation assistance for facilities at INEEL, Nevada Test Site and Hanford's 300 Area.

- The River Corridor Project (RCP) 324 Building B Cell project, along with the Spent Nuclear Fuel Project (SNF), developed an alternative plan for the fuel removal activity. Agreement to use a longer inner canister for the fuel permits greater end shielding and allows manual welding and testing in the Cask Handling Area (CHA), rather than the more expensive, remote effort in B Cell. SNF and RL are reviewing the options study to determine cost savings against the 200 Area Interim Storage life cycle costs. Following the review, a memorandum of agreement will be issued documenting the interface between SNF and RCP.

- With support from EM-50, AEA Technology recently completed two draft reports in support of future RCP deactivation tasks: (1) *Option Study for Inspection, Sampling and Remediation for Tank T-105 in the HLW Vault in Building at Hanford*; and (2) *Options Study for B Cell HVAC Duct Remediation.* Both reports will be issued before September 30, 2000. On August 16-17, 2000, AEA also performed a 2/3-scale mock-up demonstration of their proposed access/characterization/sampling technology for Tank T-105. This demonstration was held at AEA's facility near Charlotte, NC, and attended by a representative from both RCP and DOE-RL. Mr. John Duda, of EM-50's D&D Focus Area, also attended the demonstration. A joint meeting was held with Mr. Duda, AEA and the Hanford representatives to discuss potential support from AEA in FY01 and FY02. The following topics were proposed by RCP:
  - Demonstration and Deployment of the AEA Artisan-100 Arm for Hot Cell Deactivation
  - Options Study on Intact Removal and Disposal of 327 Facility Hot Cells
  - 324 Facility High-Level Vault Tank T-105 (cont'd from FY00)
  - HVAC Duct Remediation - 324 and 327 Hot Cells (mock-up and equipment demonstration)
  - Dry Decontamination of 327 Hot Cells
  - 340 Vault Tank Heel Removal

- 300 Area Accelerated Closure Plan team consisted of Fluor Hanford, Bechtel Hanford, Inc. and Pacific Northwest National Laboratory. The planning effort was completed and submitted to RL on June 30, 2000. The DOE Executive Evaluation Report received from RL in late July is very favorable.

- Through involvement with the National Facility Deactivation Initiative, Hanford, Rocky Flats, and Savannah River are working to submit a joint proposal for a contaminated large equipment size reduction system deployable at the three sites.



Section D
Spent Nuclear Fuel

PROJECT MANAGERS
P.G. Loscoe, RL
(509) 373-7465

J.H. Wicks Jr., FH
(509) 373-9372

SUMMARY

The Spent Nuclear Fuel (SNF) mission consists of the Spent Nuclear Fuel Project WBS 1.3.1.1 (Project Baseline Summary [PBS] WM01) and the subsequent Canister Storage Building (CSB) Operations Project WBS 1.3.2.1 (PBS WM02), which does not start until FY 2004.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, Milestone Achievement, and Cost/Schedule data contained herein is as of July 31, 2000. All other information is as of August 25, 2000.

A total of 32 Multi-Canister Overpacks (MCOs) were delivered to Hanford ahead of schedule. Fabrication of the MCO baskets continues at the 328 shop at the Hanford Site.

Fiscal year-to-date milestone performance (EA, DOE-HQ, and RL) shows that three out of four milestones (75 percent) were completed on or ahead of schedule and one milestone was completed late.

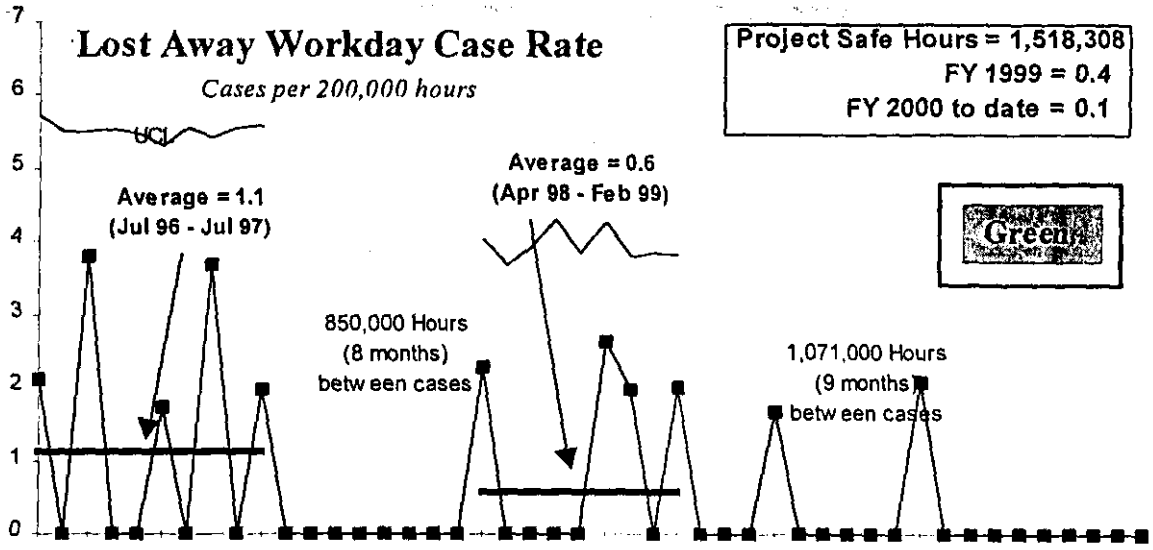
The Milestone Achievement details, found following the cost and schedule variance analysis provide further information on all milestone types.

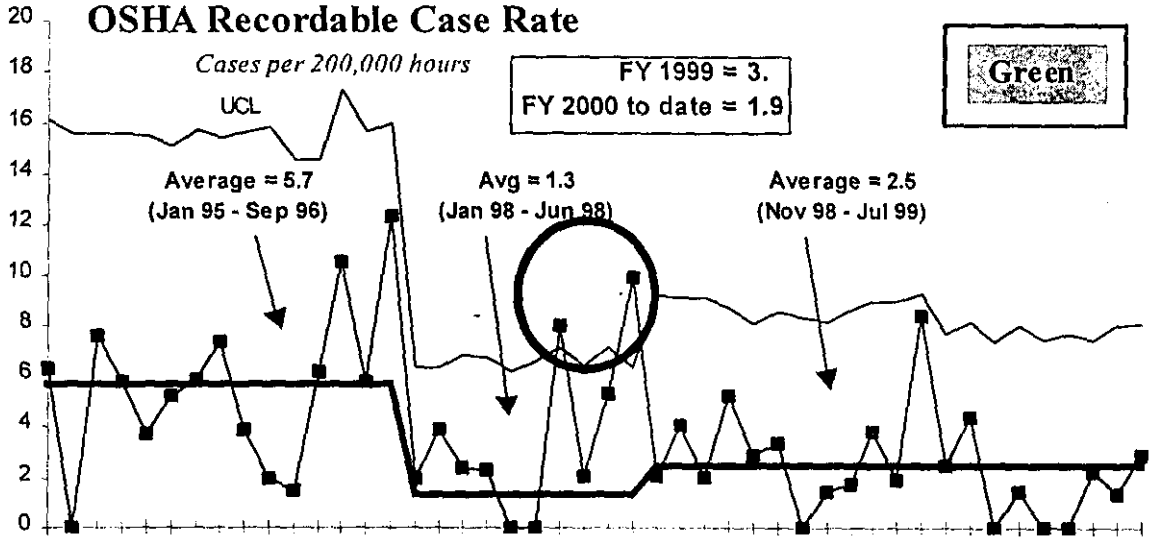
ACCOMPLISHMENTS

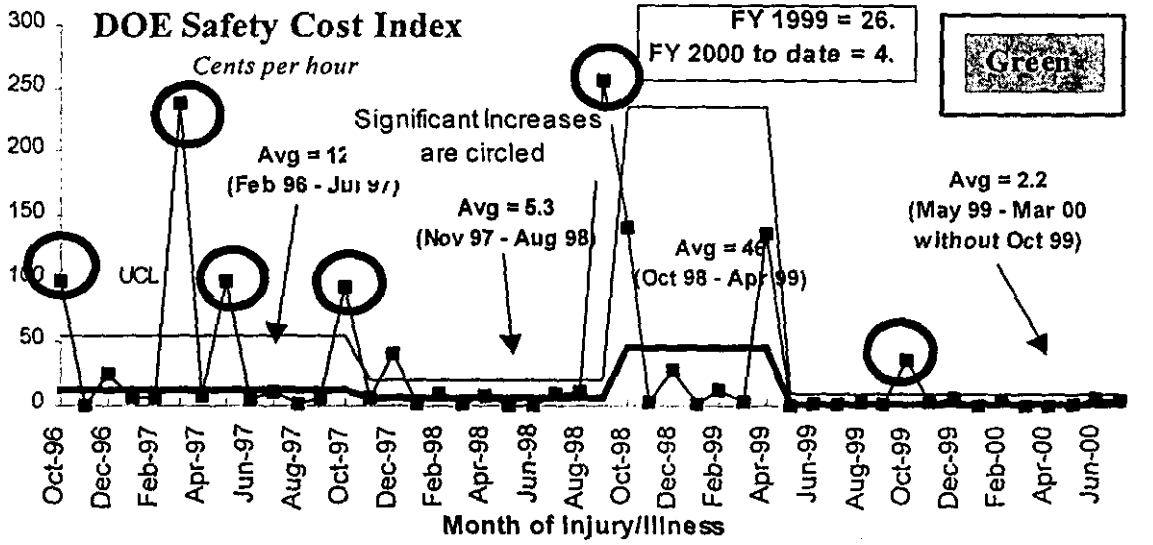
- A total of 32 MCOs were delivered to Hanford ahead of schedule. Fabrication of the MCO baskets continues at the 328 shop at the Hanford Site.
- Four MCO drying cycles using dummy fuel were completed in the Cold Vacuum Drying Facility with favorable results.
- The CSB MCO handling machine Operations are underway for training and procedure validation. Installation of lower impact absorbers was initiated at CSB.
- The Readiness Assessment team is on site and working on preparation activities. DOE Operations Readiness Review (ORR) Team Lead is on site and working with SNF Project personnel in anticipation of ORR start.

SAFETY

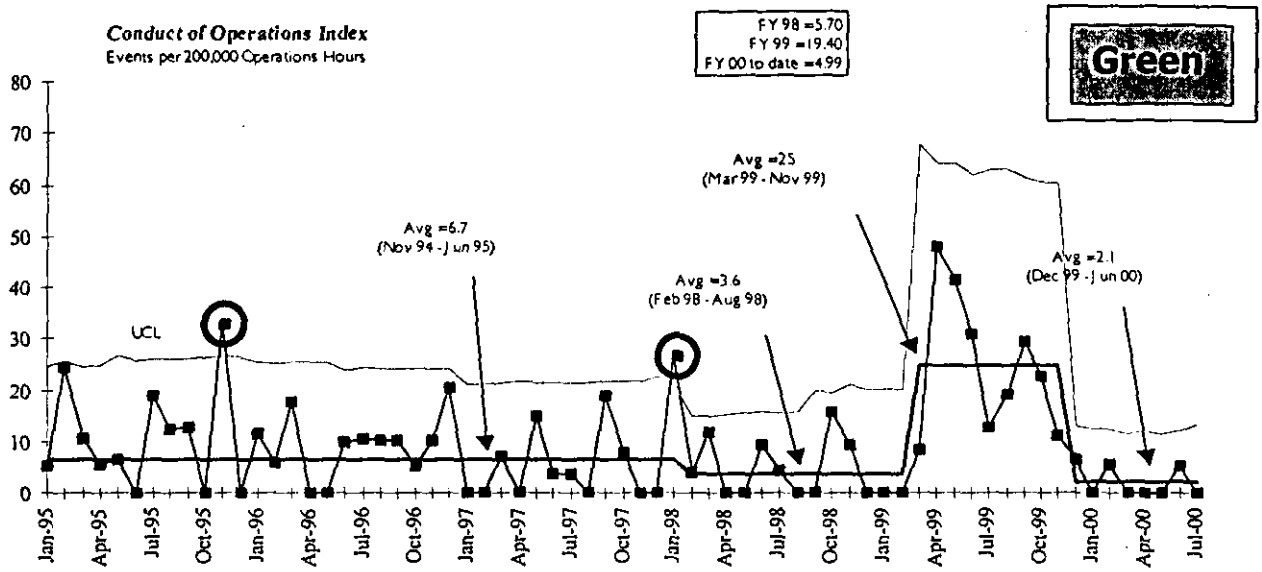
The project has achieved over 1,548,563 safe work hours. The past fourteen of fifteen months for the DOE Cost Index and Severity Rate have been below average. Although the SNF Project experienced some safety performance degradations with the start of FY 2000, performance continues to improve. October 1999 had two Restricted Workday Cases, and one Lost Away Workday Case. This was a nearly significant increase (close to but not above the UCL) on the Occupational Safety and Health Act (OSHA) Recordable Case Rate. The project's safety record is improving in both OSHA recordables and DOE Cost Index. Lostaway overall has had only one case in the past year.


Lost Away Workday Case Rate
Cases per 200,000 hours
Project Safe Hours = 1,518,308
FY 1999 = 0.4
FY 2000 to date = 0.1
UCL
Average = 1.1
(Jul 96 - Jul 97)
Average = 0.6
(Apr 98 - Feb 99)
Green
850,000 Hours
(8 months)
between cases
1,071,000 Hours
(9 months)
between cases

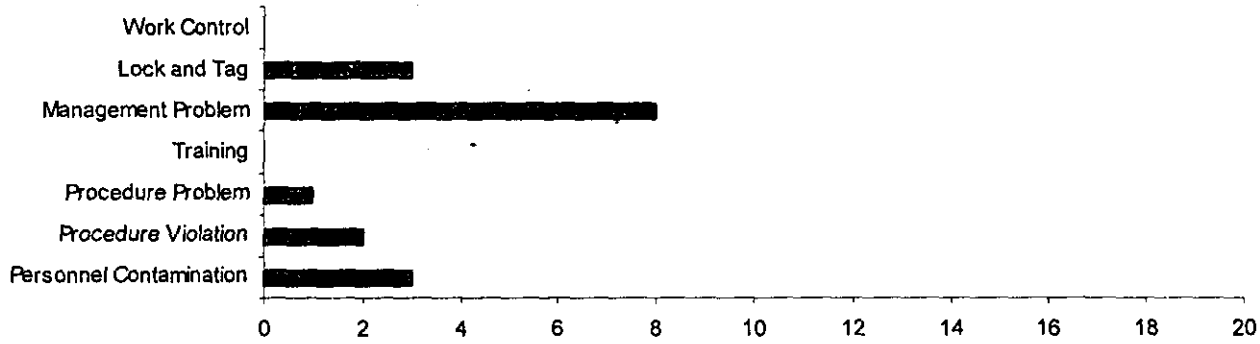

OSHA Recordable Case Rate
Cases per 200,000 hours
FY 1999 = 3.
FY 2000 to date = 1.9
Green
UCL
Average = 5.7
(Jan 95 - Sep 96)
Avg = 1.3
(Jan 98 - Jun 98)
Average = 2.5
(Nov 98 - Jul 99)


DOE Safety Cost Index
Cents per hour
FY 1999 = 26.
FY 2000 to date = 4.
Green
Significant Increases
are circled
Avg = 12
(Feb 96 - Jul 97)
Avg = 5.3
(Nov 97 - Aug 98)
Avg = 46
(Oct 98 - Apr 99)
Avg = 2.2
(May 99 - Mar 00
without Oct 99)
UCL
Oct-96
Dec-96
Feb-97
Apr-97
Jun-97
Aug-97
Oct-97
Dec-97
Feb-98
Apr-98
Jun-98
Aug-98
Oct-98
Dec-98
Feb-99
Apr-99
Jun-99
Aug-99
Oct-99
Dec-99
Feb-00
Apr-00
Jun-00
Month of Injury/Illness

CONDUCT OF OPERATIONS / ISMS STATUS



Number of Reports Past 12 Months



ISMS STATUS

Green

- The ISMS Phase I/II verification for the SNF Project was completed on November 19, 1999.
- The Corrective Action Plans for the "Opportunities for Improvement" were developed and transmitted to RL on January 10, 2000.
  - The actions required to enable ISMS implementation to be declared March 31, 2000 are now complete. Documentation packages were transmitted to the Environmental, Safety and Health organization. Three of the four packages were reviewed as part of the Project Hanford Management Contract (PHMC) Phase I verification. These items are now complete. The one remaining item needing RL verification (dealing with Chemical Management Implementation) was reviewed by RL on August 11, 2000. Verbal confirmation that this item is complete was received, and formal notification documenting completion is expected by September 1, 2000.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs

Green

- Baseline Change Request SNF-2000-009, which accelerates the completion of sludge removal by one year from August 2005 to August 2004 and reduces total project life cycle cost by $16 million, was implemented.

Opportunities for Improvement

Nothing to report.

UPCOMING ACTIVITIES

Cold Vacuum Drying (CVD) Facility Testing — Testing at the CVD Facility continues to remain on the critical path. Completion of testing is scheduled for the end of September 2000. The date was changed to incorporate resolution of equipment operational problems identified in integrated process testing.

Cask Loadout System (CLS) Testing — Complete startup testing by mid-September 2000. The date was changed to correct equipment component failures and design issues associated with the integrated test phase.

Phased Startup Initiative (PSI) — Complete PSI Phases I and II in order to support start of Hot Testing by mid-September 2000. The date was changed to correct equipment component failures. This was completed on September 5, 2000.

Fuel Removal Activities — Begin DOE Operations Readiness Review by early October 2000. Begin K West Basin fuel removal, drying and storage operations by November 30, 2000.

COST PERFORMANCE ($M):

	BCWP	ACWP	VARIANCE
Spent Nuclear Fuel	$163.9	$170.3	- $6.3

The unfavorable cost variance of $6.3 million (four percent) is primarily due to Hanford Site assessments higher than baseline and additional facility start up and engineering required as a result of first-of-a-kind equipment issues at K Basins and the CVD Facility.

SCHEDULE PERFORMANCE ($M):

	BCWP	BCWS	VARIANCE
Spent Nuclear Fuel	$163.9	$165.8	- $1.8

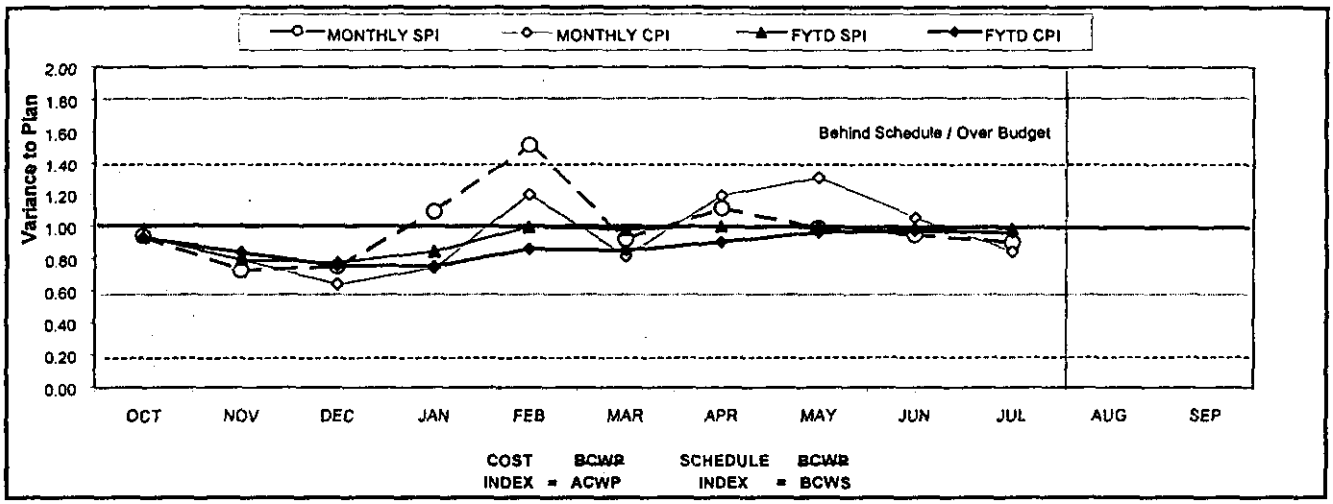
The unfavorable schedule variance of $1.8 million (one percent) is due to workscope being slightly behind in the following areas: K East Integrated Water Treatment System, Sludge Retrieval, Sludge Loadout, Impact Limiters, and K West Canister Cleaning.

FY 2000 COST/SCHEDULE PERFORMANCE – ALL FUND TYPES CUMULATIVE TO DATE STATUS – ($000)

By PBS		FYTD BCWS	BCWP	ACWP	SV	%	CV	%	PEM	EAC
PBS WM01 WBS 1.3	Spent Nuclear Fuel Project	$ 165,788	$ 163,939	$ 170,253	$ (1,849)	-1%	$ (6,314)	-4%	$ 197,222	$ 204,613
	Total	$ 165,788	$ 163,939	$ 170,253	$ (1,849)	-1%	$ (6,314)	-4%	$ 197,222	$ 204,613

COST/SCHEDULE PERFORMANCE INDICES (MONTHLY AND FYTD)

Green



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.94	0.73	0.75	1.09	1.52	0.92	1.12	0.99	0.95	0.90		
MONTHLY CPI	0.93	0.79	0.64	0.74	1.20	0.82	1.19	1.31	1.06	0.85		
FYTD SPI	0.94	0.79	0.78	0.85	0.99	0.98	1.00	1.00	1.00	0.99		
FYTD CPI	0.93	0.84	0.76	0.75	0.86	0.85	0.90	0.96	0.97	0.96		
MONTHLY BCWS	$8,574	$19,209	$15,681	$12,081	$15,753	$20,085	$19,582	$28,731	$14,212	$11,781	$15,217	$16,217
MONTHLY BCWP	$8,049	$13,968	$11,770	$13,221	$23,909	$18,511	$21,838	$28,517	$13,561	$10,596		
MONTHLY ACWP	$8,626	$17,581	$18,370	$17,831	$19,906	$22,611	$18,286	$21,703	$12,818	$12,521		
FYTD BCWS	$8,574	$27,783	$43,463	$55,544	$71,297	$91,382	$110,963	$139,694	$154,007	$165,788	$181,005	$197,222
FYTD BCWP	$8,049	$22,016	$33,786	$47,008	$70,917	$89,428	$111,265	$139,783	$153,344	$163,939		
FYTD ACWP	$8,626	$26,207	$44,577	$62,408	$82,314	$104,925	$123,210	$144,913	$157,731	$170,253		

COST VARIANCE ANALYSIS: (- $6.3M)

WBS/PBS	Title
1.3.1/WM01	Spent Nuclear Fuel Project

Description/Cause: The unfavorable cost variance of $6.3 million (3.9 percent) is primarily due to Hanford Site assessments higher than baseline and additional facility start up and engineering required as a result of first-of-a-kind equipment issues at K Basins and the CVD Facility.
Impact: The unanticipated site cost impacts, i.e., Corrective Action Management, Hanford Security, and fee allocation, are being compensated with appropriate site actions. In addition, Baseline Change Requests (BCRs) have been developed and reviewed and are on hold pending source availability for engineering, testing and administrative support. A $10.9 million fiscal year end expense funding shortfall has been identified to FH and RL budget staff. A $5.0 million Environmental Management internal budget reprogramming in August reduced this deficit to $5.9 million.
Corrective Action: Approve pending BCRs.

SCHEDULE VARIANCE ANALYSIS: (- $1.8M)

WBS/PBS	Title
1.3.1/ WM01	Spent Nuclear Fuel Project

Description /Cause: The unfavorable schedule variance of $1.8 million (1.1 percent) is due to workscope being slightly behind in the following areas: K East Integrated Water Treatment System, Sludge Retrieval, Sludge Loadout, Impact Limiters, and K West Canister Cleaning.
Impact: None. Variance percentage threshold is not in jeopardy.
Corrective Action: None. The impacts on FY 2001 have been reviewed and are deemed negligible.

FUNDS MANAGEMENT
FUNDS VS SPENDING FORECAST ($000)
FY TO DATE THROUGH JULY 2000
(FLUOR HANFORD, INC. ONLY)

	Project Completion *			Post 2006 *			Line Items *		
	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance
The River									
1.3 Spent Nuclear Fuel									
WM01 Operating	$ 176,075	$ 181,944	$ (5,869)						
Line Item							$ 22,669	$ 22,669	$ -
Total Spent Nuclear Fuel Operating	$ 176,075	$ 181,944	$ (5,869)						
Total Spent Nuclear Fuel Line Item							$ 22,669	$ 22,669	$ -

Issues

There are no technical, DOE, Regulator or external issues identified at this time However, an internal DOE budget reprogramming of $5.0 million will be allocated in August to remedy SNF's projected FY 2000 expense funding shortage.

Baseline Change Requests Currently in Process ($000)

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY00 COST IMPACT $000	SCH	TECH	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
SNF-2000-019	5/9/00	FRS/IWTS Phased Startup Initiative - Adding Hot Testing	2816	Y	Y				AWA approved for $1,116K. BCR in preparation.
SNF-2000-001	6/13/00	CAM/DTS Cost Allocation	1311	N	Y		7/12/00	8/3/00	Approved
SNF-2000-020	6/14/00	Safeguards & Security Support at KE/KW Basins and CVD Facility	415	Y	Y				In preparation
SNF-2000-021	7/27/00	SNF Project FY2001 MYWP Rate Impacts		Y	Y				In review
ADVANCE WORK AUTHORIZATIONS									
SNF-2000-019	8/10/00	FRS/IWTS Phased Startup Initiative - Adding Hot Testing	1116	Y	Y	8/11/00	8/11/00	8/11/00	Approved

Green

Milestone Achievement

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2000
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	1	1	0	0	0	0	0	2
DOE-HQ	0	0	0	0	0	0	0	0
RL	0	1	1	0	0	1	0	3
Total Project	1	2	1	0	0	1	0	5

STATUS AS OF 8/24/2000

Tri-Party Agreement / EA Milestones

Number	Milestone Title	Status
M-34-14A (S06-97-009)	**"Complete K West Basin Cask Facility Modifications"**	**Due 2/29/00** — Completed on schedule.
M-34-04 (S01-99-124)	**"Submit Remedial Design Report/Remedial Action Work Plan for the K Basins"**	**Due 3/31/00** – Completed over one month early (February 10, 2000).
M-34-05 (T01)	**"Submit Report on Quantities, Character, and Management of K Basins Debris"**	**Due 5/31/00** – Completed on schedule.
M-34-16 (S00-01-900)	**"Initiate removal of K West Basin Spent Nuclear Fuel"**	**Due 11/30/00** - On schedule.
M-34-06-T01	**"Initiate K West Basin Spent Nuclear Fuel Canister Cleaning Operations"**	**Due 12/31/00** - On schedule.

DNFSB Commitments

	Nothing to report.	

MILESTONE EXCEPTION REPORT

Nothing to report.

PERFORMANCE OBJECTIVES

Readiness for Fuel Movement (RC-1-1.a-I) — Contractor completion of construction and operational testing, Management Self-Assessment (MSA), and Independent Operational Readiness Review (ORR) by September 14, 2000, to begin moving fuel by November 30, 2000.

- Start of fuel movement is currently on track to meet November due date.

Phased Startup Initiative (PSI) (RC-1-1.a-II) — Complete PSI Phases 1 and 2 by April 15, 2000. Includes successful Cold Testing of Integrated Water Treatment System (IWTS) & Fuel Retrieval System (FRS).

- This activity is behind schedule due to hardware and control system problems with the IWTS. Accelerated non-critical path testing activity continues to allow KW Basin system problems to be uncovered and fixed much earlier than the baseline schedule. This activity is scheduled for completion by mid-September 2000.

Accelerate Fuel Movement (RC-1SS-1) — Accelerate start of fuel movement.

- Pre-positioning of fuel processed in PSI Phase III will allow early loading of Multi-Canister Overpacks (MCOs).

Yellow

Phased Startup Initiative (PSI) (RC-1SS-2) — Complete Phases 3 and 4 by August 15, 2000. Includes completion of FRS/IWTS system testing using SNF (real fuel) and Completion of Construction Documentation Phase 2 (CCD2).

- This PI has been missed and is not being renegotiated.

KEY INTEGRATION ACTIVITIES

- Spent Nuclear Fuel (SNF) final disposition interface activities, including Office of Civilian Radiation Waste Management (OCRWM) Quality Assurance (QA) Program Implementation, is ongoing with the National SNF Program. The final Disposition Compliance Plan for Hanford SNF inventories were submitted to the National SNF Program and DOE-HQ for review and approval. The SNF Project's implementation of OCRWM QA Program was deemed "effective" by the National SNF Program.

- K Basins' sludge removal and Shippingport (PA) Pressurized Water Reactor Core 2 SNF removal acceptance criteria and conceptual design reviews are ongoing with the Waste Management Project.

- The 324 Building (B Cell) SNF removal acceptance criteria and conceptual design reviews are ongoing with the River Corridor Project.

- Neutron Radiography Facility Training Research and Isotope Production General Atomics (TRIGA), and Fast Flux Test Facility (FFTF) SNF relocation planning is ongoing with FFTF Project.

- Input provided to Bechtel Hanford, Incorporated (BHI) on recovery actions required if Spent Nuclear Fuel SNF is discovered during upcoming 105F and 105H reactor basins deactivation.

Section E

Advanced Reactors Transition

PROJECT MANAGERS

O.A. Farabee, RL
(509) 376-8089

D.B. Klos, FH
(509) 373-3574

SUMMARY

The Advanced Reactors Transition (ART) Program, WBS 1.12.1.1, PBS RL-TP11, consists of the 309 Building and the Nuclear Energy (NE) Legacies activities.

NOTE: Cost/Schedule data contained herein is as of July 31, 2000. All other information is as of August 14, 2000, unless otherwise noted.

In July the ART mission area technical accomplishments included continued surveillance and maintenance activities on the 309 Building and NE Legacy facilities. Reaction of residual NaK in the "loop side" of the 337B cold trap cooling system was completed. The initial water flush of the "loop side" has also been completed. Since the pH of the flush water was 12.1, it will be drummed for transport to TEDF. The second flush is now underway.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due.

ACCOMPLISHMENTS

- Continued surveillance and maintenance activities on 309 Building and NE legacies.
- Reaction of residual NaK in the "loop side" of the 337B cold trap cooling system was completed. The initial water flush of the "loop side" has been completed and the second flush is now underway.

SAFETY

Safety data for ART is included in a separate FFTF report.

CONDUCT OF OPERATIONS / ISMS STATUS

CONDUCT OF OPERATIONS

Conduct of operations data for ART is included in a separate Fast Flux Test Facility (FFTF) report.

ISMS STATUS

The DOE ISMS Phase 2 report was favorable.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

No breakthroughs or opportunities for improvement have been identified at this time.

UPCOMING ACTIVITIES

- Continue with cleaning of the sodium potassium (NaK) residuals from the 337B Building cold trap cooling loop.
- Initiate Fuel Transfer Pit cleanout in the 309 Building/PRTR facility.

COST PERFORMANCE ($M):

	BCWP	ACWP	VARIANCE
Advanced Reactors Transition	$1.2	$1.1	$0.1

The favorable $0.1M (11 percent) cost variance is due to no significant corrective maintenance activities required.

SCHEDULE PERFORMANCE ($M):

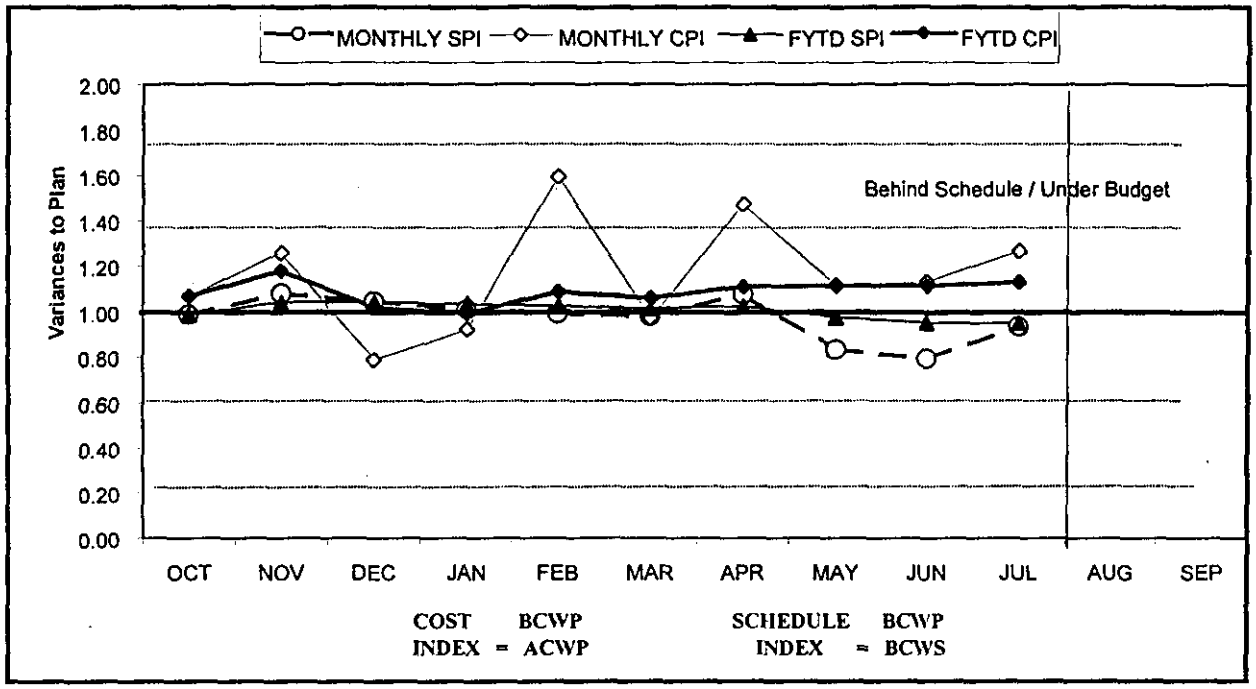
	BCWP	BCWS	VARIANCE
Advanced Reactors Transition	$1.2	$1.3	-$0.1

The unfavorable $0.1M (5 percent) schedule variance was primarily contributed to by NE Legacies occupancy where BCWP was understated. In the 309 Building some cleanout tasks were temporarily delayed.

FY 2000 COST/SCHEDULE PERFORMANCE – ALL FUND TYPES CUMULATIVE TO DATE STATUS – ($000)

By PBS		FYTD BCWS	BCWP	ACWP	SV	%	CV	%	PEM	EAC
PBS TP11 WBS 1.12	Advanced Reactors Transition	$ 1,288	$ 1,222	$ 1,083	$ (66)	-5%	$ 139	11%	$ 1,673	$ 1,318
	Total	$ 1,288	$ 1,222	$ 1,083	$ (66)	-5%	$ 139	11%	$ 1,673	$ 1,318

COST/SCHEDULE PERFORMANCE INDICES (MONTHLY AND FYTD)



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.99	1.08	1.05	1.01	0.99	0.98	1.08	0.83	0.79	0.93		
MONTHLY CPI	1.07	1.26	0.79	0.92	1.59	0.97	1.47	1.12	1.13	1.26		
FYTD SPI	0.99	1.04	1.04	1.03	1.02	1.01	1.02	0.98	0.95	0.95		
FYTD CPI	1.07	1.18	1.02	0.99	1.09	1.06	1.11	1.11	1.11	1.13		
MONTHLY BCWS	$79	$113	$88	$93	$116	$139	$116	$254	$146	$144	$196	$191
MONTHLY BCWP	$78	$122	$92	$94	$115	$136	$125	$211	$115	$134		
MONTHLY ACWP	$73	$97	$117	$102	$72	$140	$85	$189	$102	$106		
FYTD BCWS	$79	$192	$280	$373	$489	$627	$743	$997	$1,143	$1,286	$1,483	$1,673
FYTD BCWP	$78	$200	$292	$386	$501	$637	$761	$972	$1,088	$1,222		
FYTD ACWP	$73	$170	$287	$389	$461	$601	$686	$875	$977	$1,083		

COST VARIANCE ANALYSIS: (+$0.1M)

WBS/PBS **Title**

1.12/TP11 **Advanced Reactors Transition**

Description and Cause: All Surveillance and Maintenance (S&M) resources were level loaded for the year. To date, no significant corrective maintenance activities have been required.

Impact: None.

Corrective Action: None.

SCHEDULE VARIANCE ANALYSIS: (-$0.1M)

WBS/PBS **Title**

1.12/TP11 **Advanced Reactors Transition**

Description and Cause: The unfavorable $0.1M (5 percent) schedule variance was primarily contributed to by NE Legacies occupancy where BCWP was understated. In the 309 Building some cleanout tasks were temporarily delayed.

Impact: None.

Corrective Action: None.

FUNDS MANAGEMENT
FUNDS VS SPENDING FORECAST ($000)
FY TO DATE THROUGH JULY 2000
(FLUOR HANFORD, INC. ONLY)

	Project Completion *			Post 2006 *			Line Items *		
	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance
The River									
1.12 Advanced Reactors (EM)				$ 4,188	$ 4,017	$ 171			
Total Advanced Reactors Operating				$ 4,188	$ 4,017	$ 171			
Total Advanced Reactors Line Item									

*Control Point

ISSUES

There is nothing to report at this time.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY00 COST IMPACT $000	SCH	TECH	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
		Nothing to report.							
ADVANCE WORK AUTHORIZATIONS									
		Nothing to report.							

MILESTONE ACHIEVEMENT

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due.

Tri-Party Agreement / EA Milestones
Nothing to report.
DNFSB Commitments
Nothing to report.

MILESTONE EXCEPTION REPORT

Number/WBS	Level	Milestone Title	Baseline Date	Forecast Date

OVERDUE – 0

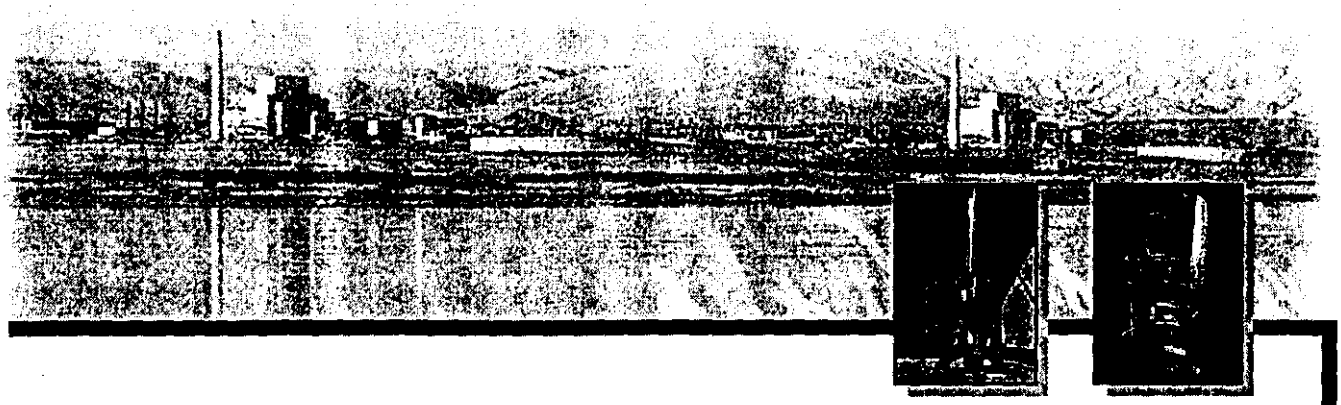
FORECAST LATE – 0

PERFORMANCE OBJECTIVES

Nothing to report at this time.

KEY INTEGRATION ACTIVITIES

Nothing to report at this time.



Section F

EM-50 Science & Technology Activities

EM-50 Milestone Achievement

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2000
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	0	0	0	0	0	0	0	0
DOE-HQ	0	0	0	0	0	0	1	1
RL	0	0	1	1	0	0	0	2
Total Project	0	0	1	1	0	0	1	3

EM-50 Exceptions

Number	Level	Milestone Title	Baseline Date	Forecast Date

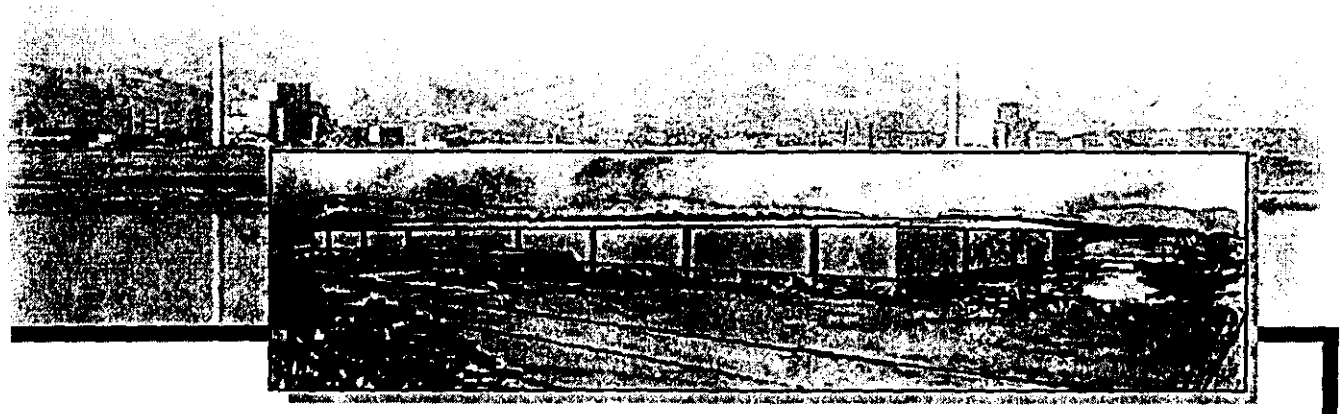
Overdue – 1

RL09DD61 2.1.1 (AMT) RL Accept Robotic Work Platform to Ship to Hanford 07/15/2000 01/02/2001

Cause: A change in the location of the deployment of the robotic platform from B-Cell to the 324 airlock pipetrench was made.

Impact: Five and one-half month schedule impact.

Corrective Action: The acceptance of the platform will now be performed January 2, 2001.



The Future

Hanford cleanup activities develop assets – people, experience, land, buildings, research and training facilities – that can have a positive affect on our future. They can help solve national and global problems in food production, global warming, pollution and nuclear non-proliferation. The prime contractors and subcontractors at Hanford are implementing economic development initiatives aimed at weaning the Tri-Cities from dependence on federal cleanup dollars. These initiatives are being supported with grants and by freeing up valuable site resources for use by the private sector. Examples of these initiatives are a new industrial building to attract new businesses to the area, job-creation efforts, and providing technical assistance to entrepreneurs. The Volpentest HAMMER Training and Education Center is included in this outcome. HAMMER provides training for the Hanford Site cleanup mission and the DOE complex. The Center also augments economic diversification by creating a state-of-the-art regional training industry for students from across the nation and around the world.

Section G
HAMMER

PROJECT MANAGERS
P. W. KRUGER, RL
(509) 372-4005

K.A. McGinnis, FH
(509) 376-9403

SUMMARY

The Hazardous Materials Management and Emergency Response (HAMMER) mission area consists of the HAMMER project, WBS 1.9.1.1, Project Baseline Summary (PBS) HM01.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, Milestone Achievement, and Cost/Schedule data contained herein is as of the end of July 2000. All other information is as of August 21, 2000.

Volpentest HAMMER's first priority is to deliver hands-on training to the Hanford workforce. During July one hundred forty-five classes were conducted at the Volpentest HAMMER facility, for a total of 2,285 Hanford site student days. Highest attended health and safety classes included Hazardous Waste Operations, Respiratory Protection, Fire Extinguisher training, Radiation Worker II Requalification, and Basic Crane and Rigging. Overall satisfaction, rated on a scale from one to five based on level one evaluations, for the month of July: Course Content 4.49, Instructor(s) 4.61, and Facility 4.56.

Plans for testing Pacific Northwest National Lab's (PNNL's) Pit Remote Automated Machine (Pit-RAM) at HAMMER's Waste Tank Prop were initiated. The automated arm will be used when refurbishing Tank Farm valve pits in preparation for verification. PNNL was prepared to build a cold test/training facility, possibly on the HAMMER site at a cost >$75K. However, after review of the existing pump and valve pits at the waste tank prop, it is believed this facility will meet the needs. The Pit-RAM will be ready for testing in 6 months and deployment in one year.

Fiscal-year-to-date milestone performance (EA, DOE-HQ and RL) shows that one milestone (100 percent) was completed late.

ACCOMPLISHMENTS

- Trained 2,285 Hanford site student days at HAMMER.
- Initiated plans for testing PNNL's Pit-RAM at HAMMER's Waste Tank Prop.

HAMMER currently has no status to report in the areas of ISMS Status, Breakthroughs and Opportunities for Improvement.

UPCOMING ACTIVITIES

- An International Customs class will be conducted in September 2000.
- Firefighter Field Day will be conducted in September 2000.
- Electrical Distribution Prop Dedication Ceremony will occur October 5, 2000.

- An Archeological Resources Protection Act Incident Investigation class has been scheduled for October 2000.

- HAMMER Steering Committee Meeting and sub-committee meetings will occur on October 5-6, 2000.

COST PERFORMANCE ($M):

	BCWP	ACWP	VARIANCE
HAMMER	$4.6	$4.3	$0.3

The favorable cost variance of $0.3M (7 percent) is within established thresholds.

SCHEDULE PERFORMANCE ($M):

	BCWP	BCWS	VARIANCE
HAMMER	$4.6	$4.8	- $0.2

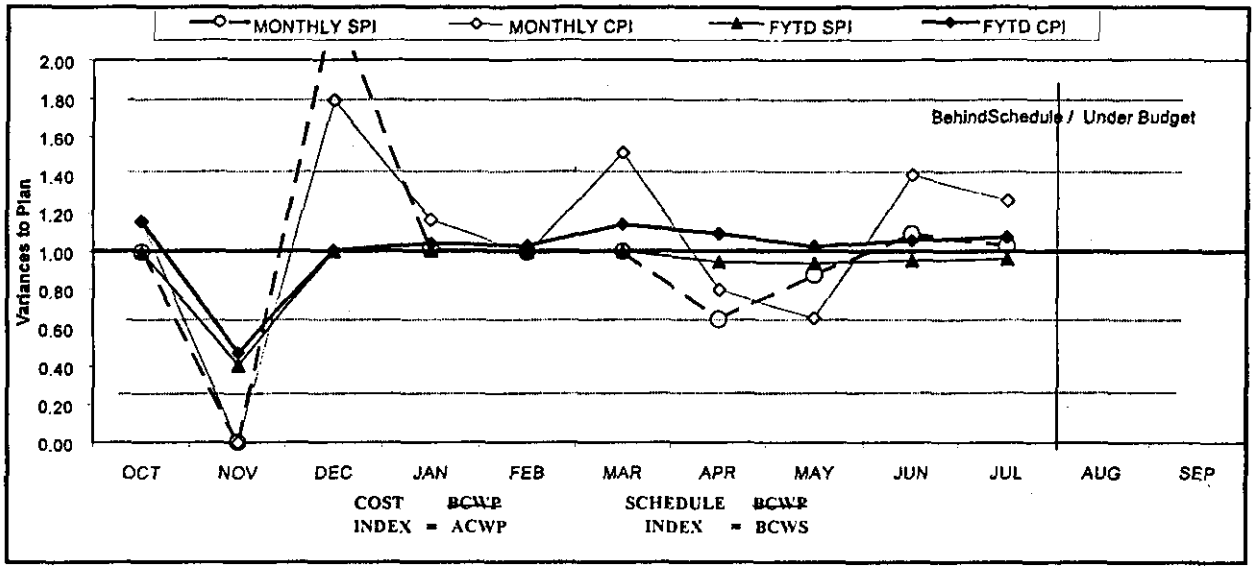
The unfavorable schedule variance of $0.2M (4 percent) is within established thresholds.

FY 2000 COST/SCHEDULE PERFORMANCE – ALL FUND TYPES
CUMULATIVE TO DATE STATUS – ($000)

Green

		FYTD								
By PBS		BCWS	BCWP	ACWP	SV	%	CV	%	PEM	EAC
PBS HM01 WBS 1.9.1	Hammer	$ 4,811	$ 4,620	$ 4,298	$ (191)	-4%	$ 322	7%	$ 5,906	$ 5,906
	Total	$ 4,811	$ 4,620	$ 4,298	$ (191)	-4%	$ 322	7%	$ 5,906	$ 5,906

COST/SCHEDULE PERFORMANCE INDICES (MONTHLY 2000 AND FYTD)



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.99	0.00	2.28	1.01	1.00	1.00	0.64	0.88	1.09	1.03		
MONTHLY CPI	1.16	0.00	1.79	1.16	0.99	1.51	0.80	0.65	1.40	1.27		
FYTD SPI	0.99	0.41	1.00	1.00	1.00	1.00	0.95	0.94	0.95	0.96		
FYTD CPI	1.16	0.47	1.01	1.04	1.03	1.14	1.09	1.03	1.06	1.07		
MONTHLY BCWS	$ 352	$ 507	$ 396	$ 418	$ 440	$ 914	$ 541	$ 393	$ 425	$ 425	$ 559	$ 536
MONTHLY BCWP	$ 350	$ -	$ 904	$ 422	$ 438	$ 913	$ 347	$ 345	$ 464	$ 437		
MONTHLY ACWP	$ 303	$ 439	$ 505	$ 363	$ 443	$ 603	$ 435	$ 531	$ 331	$ 345		
FYTD BCWS	$ 352	$ 859	$ 1,255	$ 1,673	$ 2,113	$ 3,027	$ 3,568	$ 3,961	$ 4,386	$ 4,810	$ 5,369	$ 5,906
FYTD BCWP	$ 350	$ 350	$ 1,254	$ 1,676	$ 2,114	$ 3,027	$ 3,375	$ 3,719	$ 4,183	$ 4,620		
FYTD ACWP	$ 303	$ 742	$ 1,247	$ 1,610	$ 2,053	$ 2,656	$ 3,091	$ 3,622	$ 3,953	$ 4,298		

COST VARIANCE ANALYSIS: ($0.3M)

WBS/PBS **TITLE**

1.9.1.1/HM01 HAMMER
Description and Cause: The variance is within thresholds.
Impact: None.
Corrective Action: None.

SCHEDULE VARIANCE ANALYSIS: (-$0.2M)

WBS **TITLE**

1.9.1.1/HM01 HAMMER
Description and Cause: The variance is within thresholds.
Impact: None.
Corrective Action: None.

FUNDS MANAGEMENT
FUNDS VS SPENDING FORECAST ($000)
FY TO DATE THROUGH JULY 2000
(FLUOR HANFORD, INC. ONLY)

	Project Completion *			Post 2006 *			Line Items/Other *		
	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance
The Future 1.9 HAMMER HM01				6,094	5,796	298			
Total Hammer Operating	$ -	$ -	$ -	$ 6,094	$ 5,796	$ 298	$ -	$ -	$ -
Total Hammer Line Item	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

*Control Point

ISSUES

Nothing to report at this time.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS ($000)

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY00 COST IMPACT $000	SCH	TECH	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
HMR-2000-001	11/10/99	Incorporate FY 1999 Carryover Workscope & Additional FY 2000 Workscope	656	X	X	12/14/99		1/28/00	Approved
HMR-2000-002	4/12/00	Adjust FY 2000 MYWP Baseline	-300		X	4/27/00	5/5/99		Approved
HMR-2000-003	7/26/00	FY-2001 MYWP Bridge Change Req	0	X	X	In Process			Draft
ADVANCE WORK AUTHORIZATIONS									
		Nothing to report.							

MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2000
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	0	0	0	0	0	0	0	0
DOE-HQ	0	0	0	0	0	0	0	0
RL	0	0	1	0	0	4	0	5
Total Project	0	0	1	0	0	4	0	5

Green

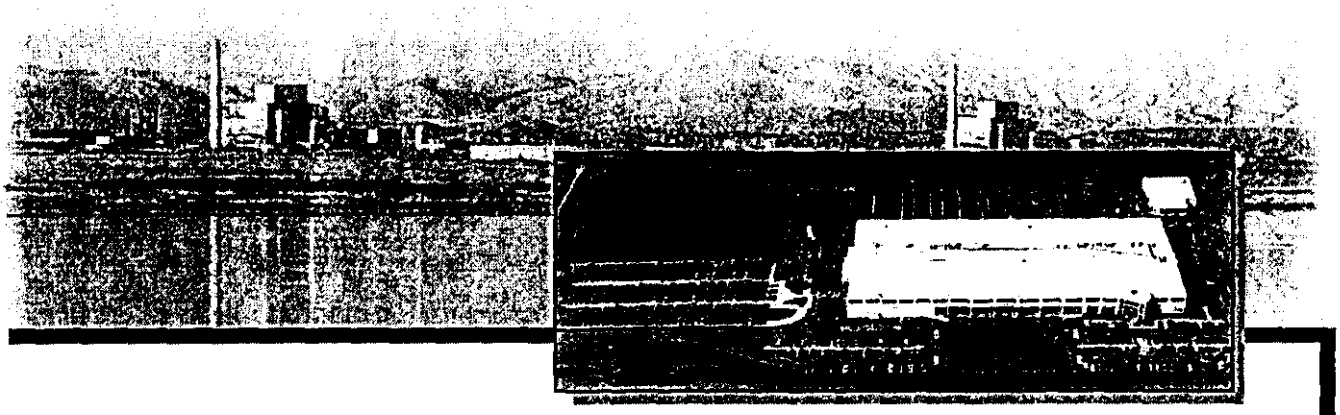
Tri-Party Agreement / EA Milestones
Nothing to report.
DNFSB Commitments
Nothing to report.

MILESTONE EXCEPTION REPORT

Number/WBS	Level	Milestone Title	Baseline Date	Forecast Date

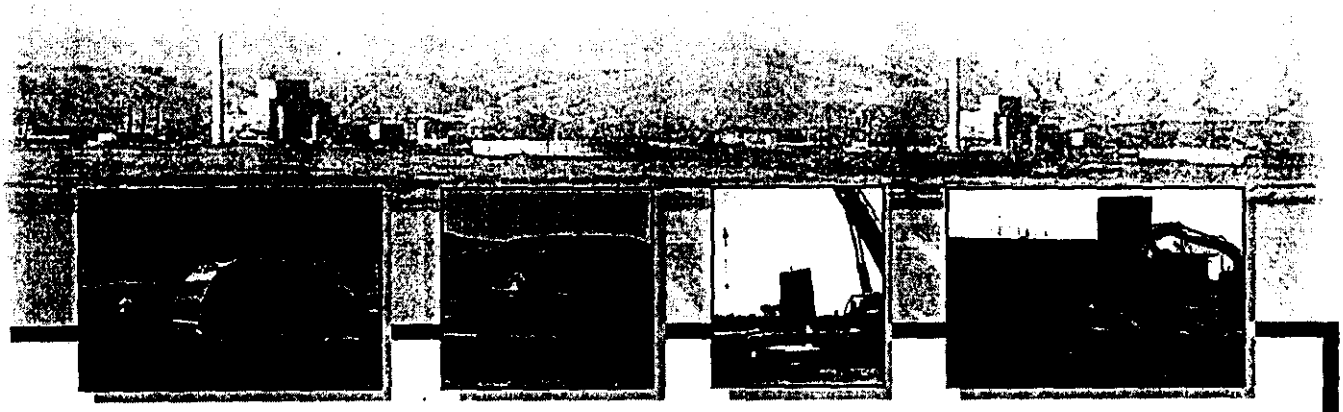
OVERDUE - 0

FORECAST LATE - 0



Multiple Outcomes

Projects that bridge more than one outcome are included here. These projects include Landlord, Support, and National Programs. Further descriptions are included in each section.

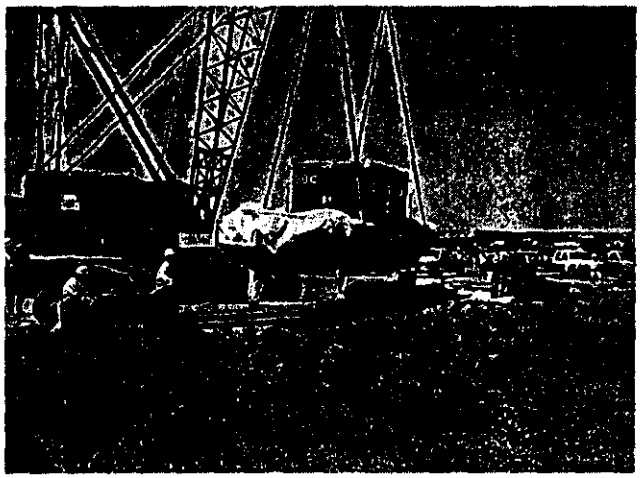


Section H
Landlord

PROJECT MANAGERS
S.H. Wisness, RL
(509) 373-9337

D.S. Kelly, FH
(509) 376-7334

SUMMARY



The Landlord mission area consists of the Landlord Project, WBS 1.5.1, Project Baseline Summary (PBS) RL-TP13.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, Milestone Achievement, and Cost/Schedule data contained herein is as of July 31, 2000. All other information is as of August 23, 2000.

The Equipment Dispositioning Project includes the disposition of one Well Car and one Flat Car in addition to surveillance and maintenance of the 212R rail siding where the majority of the regulated legacy rail cars are staged for future disposition. A 100-ton well car was prepared for offsite transport, loaded on a transport truck at the 212R Rail Siding and shipped to a vendor in Tennessee last month for the DOE Shield Block Program. The disposition will be complete once the wheels have been buried onsite in the low-level burial grounds during August 2000. Overall this activity is approximately two weeks ahead of the scheduled completion of September 8 (RL Milestone LLP-00-450). The disposition of up to six regulated flat cars (three Burlington Northern and three PX Cars) were being considered for transfer to Tri-Cities Asset Reinvestment Company (TARC) to be reused by outside agencies. The work on the removal of the decking on one of the BN Flat Cars has completed and surveys are ongoing to allow "free release" of this car. Due to contamination on the remaining two BN Flat Cars an additional $80,000 from Landlord Project passbacks will be utilized to clean these two cars for "free release". TARC has notified the program that they are no longer interested in the three PX Cars for cleanup and reuse so only the BN Flat Cars will be transferred to TARC in FY 2000.

FY 2000 Road Refurbishments include widening and overlay of the Rattlesnake Barricade Access Road (to make permanent safety improvements). The fieldwork began on August 14 and will require the road to be closed between August 14 and September 22, 2000. Overall roadwork is on schedule.

Fixed price construction bids were opened on July 20 for replacement of approximately 1,500 feet of inadequate two-inch sanitary water line in 200 East near 272AW Building with a new six-

inch line. This section of water line supports vital Waste Management facilities and the original line was installed as a temporary service line in 1982 and is currently inadequate for the facilities it services. The fixed price contract was awarded to Morrison Construction on July 28 to support construction completion by September 29 (RL Milestone LLP-00-415).

Fiscal-year-to-date milestone performance (EA, DOE-HQ, Field Office, and RL) shows two milestones (100 percent) have been completed ahead of schedule.

ACCOMPLISHMENTS

Completed RL Milestone LLP-00-460, "Complete Closure of Four Abandoned Septic Systems by August 25, 2000" three weeks ahead of schedule. This milestone closed four abandoned septic systems to WSDOE requirements on July 28, 2000. This activity included removal of seepage inside the tanks and filling the tanks either with native soil or san slurry to ensure the elimination of void space within the tanks.

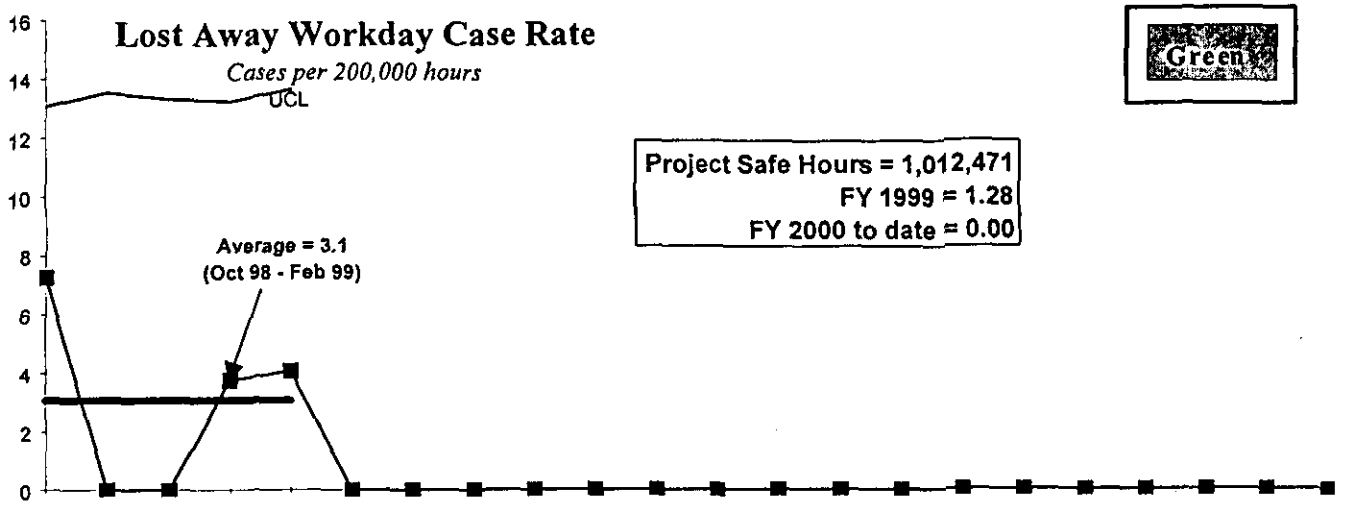
Completed RL Milestone LLP-00-401, "Complete Bridge Baseline Change Request in Support of MYWP Update by August 25, 2000" three weeks ahead of schedule. The bridge BCR has been submitted to the FH Change Request Review Board for approval.

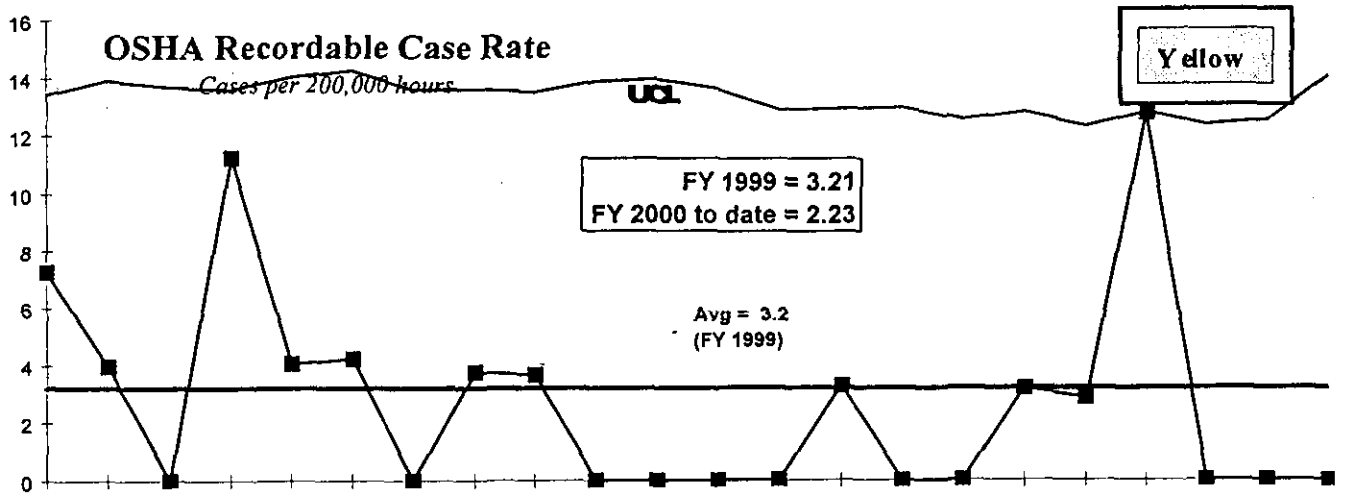
Completed RL Milestone LLP-00-435, "Project L-312, 2101M, MO-235, and Associated Buildings Storm Drainage Resolution". Completion of construction was one week ahead of the scheduled completion date of August 4, 2000. This milestone helps resolve storm drainage problems around facilities in 200 East and West Areas.

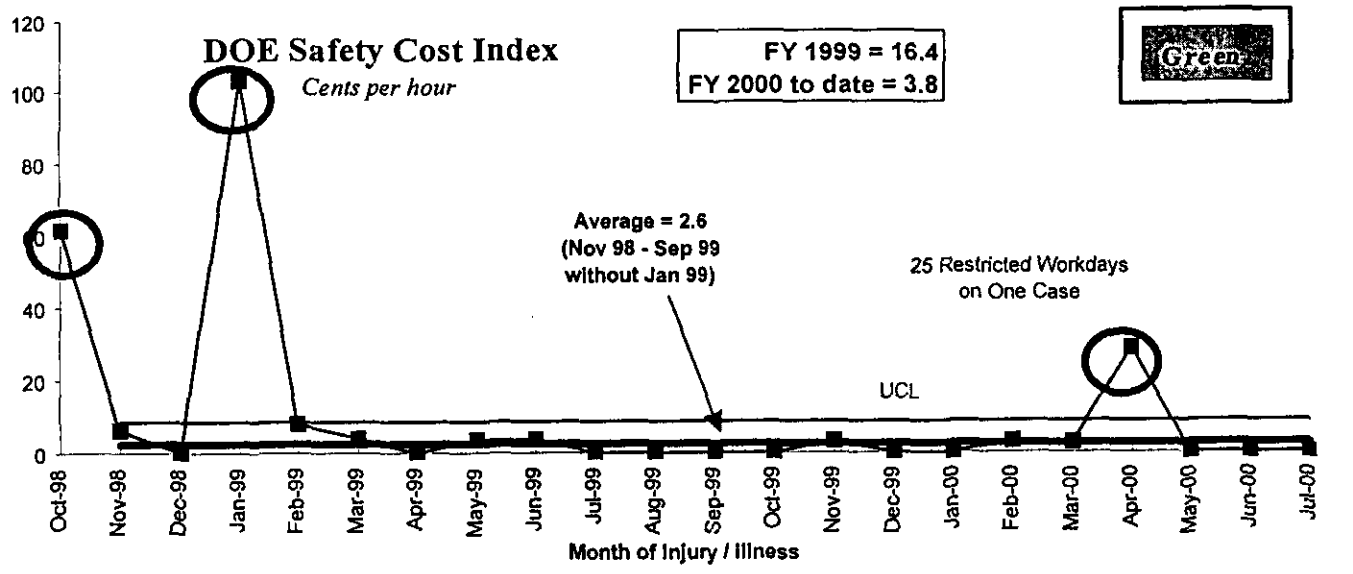
Completed construction of Project L-292, "Emergency Preparedness Control Station (EPCS)" The installation of 100K/D Emergency Notification Sirens completed construction on schedule and is operational. Redundancies in the electronics will be installed to connect the Emergency Operations Center (EOC) to the sirens. These installations allow the sirens to automatically remain active in the event of a power failure. Due to unforeseen requirements at the Federal Building regarding mounting an antenna on the roof, the project will not close out until the end of September vs. August (one-month delay). Note: This delay does not impact and is not part of a milestone or deliverable.

SAFETY

FY 1999 performance was stable for case rates, but was very unstable in terms of severity (days away and restricted). FY 2000 is stable.


Lost Away Workday Case Rate
Cases per 200,000 hours
UCL
Green
Project Safe Hours = 1,012,471
FY 1999 = 1.28
FY 2000 to date = 0.00
Average = 3.1
(Oct 98 - Feb 99)
16
14
12
10
8
6
4
2
0


OSHA Recordable Case Rate
Cases per 200,000 hours
UCL
Yellow
FY 1999 = 3.21
FY 2000 to date = 2.23
Avg = 3.2
(FY 1999)
16
14
12
10
8
6
4
2
0


DOE Safety Cost Index
Cents per hour
FY 1999 = 16.4
FY 2000 to date = 3.8
Green
Average = 2.6
(Nov 98 - Sep 99
without Jan 99)
25 Restricted Workdays
on One Case
UCL
120
100
80
40
20
0
Oct-98
Nov-98
Dec-98
Jan-99
Feb-99
Mar-99
Apr-99
May-99
Jun-99
Jul-99
Aug-99
Sep-99
Oct-99
Nov-99
Dec-99
Jan-00
Feb-00
Mar-00
Apr-00
May-00
Jun-00
Jul-00
Month of Injury / Illness

ISMS STATUS

Green

NOTE: The Infrastructure program includes the Landlord Project and the indirect Infrastructure. Both of these areas are covered under one ISMS program, therefore the ISMS activities described below are for the entire Infrastructure program, which includes Landlord.

- Voluntary Protection Program (VPP) application for status has been submitted to DOE and the evaluation is scheduled for the week of September 14, 2000.
- On Saturday, July 22, Infrastructure employees achieved another one million hours worked without a lost workday accident. This is the third time in three years that this organization has achieved this significant milestone.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs

- Nothing to report at this time.

Opportunities for Improvement

- Nothing to report at this time.

UPCOMING ACTIVITIES

- Complete disposition of one well car for Project L-297, "Equipment Disposition Project" by September 8, 2000 (RL Milestone LLP-00-450).

- Complete Project L-292, "Emergency Preparedness Control Station (EPCS)" in September 2000. This project retrofits the 100K/D Sirens to the new control system and changes the frequency for all the outdoor Site sirens so they can be controlled from a central point.

COST PERFORMANCE ($M):

	BCWP	ACWP	VARIANCE
Landlord	$ 8.9M	$ 6.7M	$ 2.2M

The $2.2M (26 percent) favorable cost variance is mainly attributed to the auction of six cranes for which a credit was received. Further information at the PBS level can be found in the following Cost Variance Analysis details.

SCHEDULE PERFORMANCE ($M):

	BCWP	BCWS	VARIANCE
Landlord	$ 8.9M	$ 10.1M	- $ 1.2M

The $1.2M (12 percent) unfavorable schedule variance is attributed to several different factors that are outlined in the Cost Variance Analysis details.

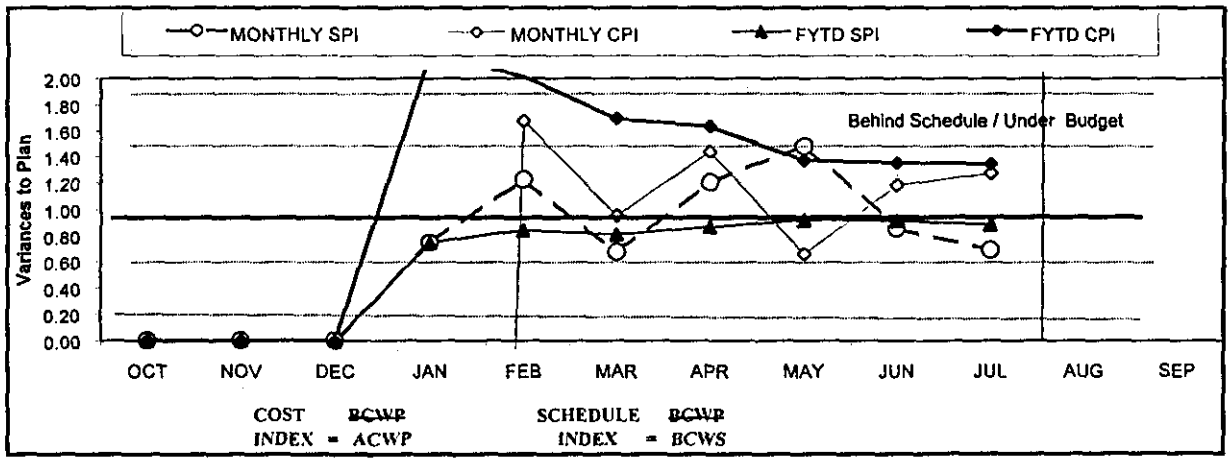
FY 2000 COST/SCHEDULE PERFORMANCE – ALL FUND TYPES CUMULATIVE TO DATE STATUS – ($000)

		FYTD								
By PBS		BCWS	BCWP	ACWP	SV	%	CV	%	PEM	EAC
PBS TP13 WBS 1.5.1	Landlord	$ 10,103	$ 8,933	$ 6,655	$ (1,170)	-12%	$ 2,278	26%	$ 14,065	$ 14,734
	Total	$ 10,103	$ 8,933	$ 6,655	$ (1,170)	-12%	$ 2,278	26%	$ 14,065	$ 14,734

Note: Landlord EAC includes carryover funding of $2,033 for committed GPP's.

COST/SCHEDULE PERFORMANCE INDICES (MONTHLY AND FYTD)

Green



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.00	0.00	0.00	0.75	1.22	0.67	1.20	1.48	0.86	0.69		
MONTHLY CPI	0.00	0.00	0.00	-19.23	1.68	0.95	1.43	0.66	1.18	1.27		
FYTD SPI	0.00	0.00	0.00	0.75	0.84	0.81	0.87	0.92	0.91	0.88		
FYTD CPI	0.00	0.00	0.00	2.20	2.01	1.69	1.63	1.37	1.35	1.34		
MONTHLY BCWS	$0	$0	$0	$3,994	$1,016	$1,269	$1,115	$653	$773	$1,284	$1,811	$2,150
MONTHLY BCWP	$0	$0	$0	$2,981	$1,243	$854	$1,339	$968	$661	$887		
MONTHLY ACWP	($197)	$943	$767	($155)	$741	$899	$934	$1,464	$561	$698		
FYTD BCWS	$0	$0	$0	$3,994	$5,010	$6,279	$7,394	$8,047	$8,820	$10,104	$11,915	$14,065
FYTD BCWP	$0	$0	$0	$2,981	$4,224	$5,078	$6,417	$7,385	$8,046	$8,933		
FYTD ACWP	($197)	$746	$1,513	$1,358	$2,099	$2,998	$3,932	$5,395	$5,957	$6,655		

COST VARIANCE ANALYSIS: (+$ 2.3M)

WBS/PBS	Title
1.5.1/TP-13	Landlord

Description/Cause: The $2.3M (26 percent) favorable cost variance is mainly attributed to a credit received for the sale of six cranes. The fixed price contractor's charges for demolishing the 609C building for Project L-270 were not as high as planned. The Construction Contract for road refurbishment was awarded later than originally planned and came in much higher than planned. Road refurbishment has not started due to funding limitations. In Project L-297, Equipment Dispositioning Program, recycling of the lead in the well cars can't be accomplished in FY00 due to a suspension on release of contaminated metals. Program administration cost is also under running due to termination of employees and also because of a credit pass back.
Impact: No impact to overall project and/or final cost.
Corrective Action: A new crane to replace the six sold at auction was due to be received at the end of August. The fixed price construction cost on Project L-270 will be higher than planned, negating the favorable cost variance from demolition. The road priorities for planned work are currently being reviewed and re-prioritized. A Baseline Change Request will be completed to defer road refurbishments.

SCHEDULE VARIANCE ANALYSIS: (-$1.2M)

WBS/PBS	Title
1.5.1/ TP13	Landlord

Description /Cause: The $1.2M (12 percent) unfavorable schedule variance is attributed to the following: The fixed price bids for road refurbishments were higher than planned, resulting in a late start. The overlay of Route 1 will have to be deferred. The resource management documents supporting the Comprehensive Land Use Plan are behind due to funding constraints.
Construction to replace the chlorinating system at the 200 West Area Water Treatment Plant was originally planned as a fixed price contract for Project L-303. However, the work scope has been deemed to be plant forces, resulting in a schedule variance due to the availability of manpower. There is a current year schedule variance that will be offset next year due to the difference in the planned fixed price demolition costs for the 609C facility and the future construction budget for the new building.
Impact: Overlay of Route 1, procedures for Mapping Services, and supporting plans for the Comprehensive Land Use Plan must be deferred.
Corrective Action: A Baseline Change Request will be completed documenting this scope.

FUNDS MANAGEMENT
FUNDS VS SPENDING FORECAST ($000)
FY TO DATE THROUGH JULY 2000
(FLUOR HANFORD, INC. ONLY)

	Project Completion *			Post 2006 *			Line Items *		
	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance
Multiple Outcomes									
1.5 Landlord									
TP13 Operating				$ 13,932	$ 13,615	$ 317			
Line Item									
Total Landlord Operating				$ 13,932	$ 13,615	$ 317			
Total Landlord Line Item									

Note: RL will provide an additional $2.2 million for Hanford wildland fire suppression and recovery expenses which will be reported in future site's Landlord budget.

ISSUES

Fire Impacts to the Integrated Soil, Vegetation, and Animal Control (ISVAC) Program

Impact (s): ISVAC program components for fire recovery plan are not currently included as part of the program. Includes control of soil erosion and reduction of blowing sand, control of tumbleweed and other noxious weed growth, and restoration of a productive habitat.

Corrective Action: Process a BCR for funding in order to address the primary concerns of this issue which are employee safety and health, cultural resources and the environment.

1163 Building Marketing

Impact (s): Port of Benton is marketing 1163 Building and moving out of that facility is not currently part of the Multi-Year Work Plan work scope.

Corrective Action: Requires formal notification from Port of Benton and a BCR for additional work scope and budget.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS ($000)

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY00 COST IMPACT $000	SCH	TECH	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
LPM-00-001	11/3/99	MYWP Baseline Modification (Bridge BCR FY00, 01, 02)	$4,642	X	X	1/11/00	1/14/00	1/27/00	Approved by RL
LPM-00-003	12/8/99	Document FY99 Carryover Funds	$1,793		X	12/13/00	1/3/00	1/3/00	Approved by RL
LPM-00-005	3/23/00	Document Rate Increase, Funding Reductions, and Impacts to Milestones	$<318>	X	X	4/13/00	4/27/00	5/25/00	Approved by RL
LPM-00-006	5/30/00	Added Scope for 1163 Re-roof, Defere Definitive Design for L-327, Delete Milestone LLP-00-465	$180	X	X	6/8/00	6/8/00	6/26/00	Approved by RL
LPM-00-007		Multi-Year Work Plan Baseline Module Phase I	$0		X	8/25/00			In Process
ADVANCE WORK AUTHORIZATIONS									
		N/A							

MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2000
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	0	0	0	0	0	0	0	0
DOE-HQ	0	0	0	0	0	0	0	0
RL	2	0	0	0	0	7	0	9
Total Project	2	0	0	0	0	7	0	9

Tri-Party Agreement / EA Milestones

Nothing to report.

DNFSB Commitments

Nothing to report.

Green

MILESTONE EXCEPTION REPORT

Number/WBS Level	Milestone Title	Baseline Date	Forecast Date

OVERDUE – 0

FORECAST LATE – 0

PERFORMANCE OBJECTIVES

The items listed below are not Performance Incentives. They are performance goals (i.e., milestones and goals between FH and the subcontractor).

Outcome	Performance Goals	Status
Restore the River Corridor for Multiple Uses & Transition the Central Plateau	Replace 1,500 Feet of 2-inch Sanitary Water Line from 272AW Building Along Canton Ave. in 200 East	Awarded fixed price contract on July 28, 2000 to support construction completion by September 29, 2000.
	Provide Vegetation and Animal Control to Reduce/Minimize the Spread of Contamination	Spraying Soil Surfactant (Soil Sement) on the burned area in 200 West from the recent Hanford Site Range fire. Prepared recommendations and a detailed cost estimate for dust control.
	Legacy Site Cleanup	Cleanup of the Well Drilling Slab Yard in 200 East is complete. Two additional Legacy Sites are being cleaned up in FY 2000 that are essentially complete with final punchlist items being worked.
	Complete Installation of 100K/D Emergency Notification Sirens which will Complete the Total Integration of All Outside Sirens	Overall the project is 92 percent complete with all four new sirens installed to date. Final system testing of the redundant control path is planned to complete in August 2000 and project closeout is scheduled for September 2000.
	Complete Emergency Services Renovation of the 200 Area Fire Station	The major portion of the new prefabricated metal building was delivered to the construction site in May and building erection started the week of August 21 after all the building footing/foundation was properly cured. Overall the project is on schedule.
	Shutdown Approx. 20 Vacant Office Facilities – Deactivate 25 Vacant Facilities	Sixteen of the planned 20 facilities have been shutdown for the fiscal year and 22 of the planned 25 facilities have been deactivated. Project remains on schedule.
Put Assets to Work for the Future	Disposition One Well Car and One Flat Car – Surveillance and Maintenance of Legacy Rail Cars at 212R Awaiting Disposition	A well car was delivered to a vendor in Tennessee for the DOE Shielding Block Program. The work on the removal of the decking on one of the BN Flat Cars has been completed and surveys are ongoing to allow "free release" of this car.

KEY INTEGRATION ACTIVITIES

Continue to support RL on the following activities to plan and manage land and resources for the Hanford Site:

- Continue to support RL to establish a Hanford Site Planning Advisory Board made up of cooperating agencies and Tribal representatives to support implementation of the Comprehensive Land Use Plan (CLUP).

- Developing Area and Resource Management Plans (i.e., Landlord Infrastructure Master Plan and Industrial Mineral Resource Management Plan) to support implementation of the CLUP.

- Assisting DOE in identifying mandatory requirements functions, interfaces and relationships for successful long-range planning and management of Site land and resources.

- Coordinating reviews and approvals for the use of land on Site.

- Developing and administering Real Estate documents (e.g., licenses, leases, easements, and permits).

Service Level Agreements (SLAs) were developed with all Hanford Site projects to determine what level of service was required for FY 2001 to ensure integration between the service centers and Site's needs.

Section I
Support

PROJECT MANAGERS

SP&I	W.W. Ballard, RL	(509) 376-6657
	G.J. McCleary, FH	(509) 372-8385
SSE	W.W. Ballard, RL	(509) 376-6657
	M.L. Grygiel, FH	(509) 372-2983
ECP	S.H. Wisness, RL	(509) 373-9337
	J.W. Hales, FH	(509) 376-4069
PSRP	S.H. Wisness, RL	(509) 373-9337
	R.L. Dirkes, PNNL	(509) 376-8177

SUMMARY

Mission Support, Project Baseline Summary (PBS) OT01, consists of four sub-projects:

- Planning and Integration [Work Breakdown]
- Structure (WBS 1.8.2.1)]
- Systems Engineering (WBS 1.8.2.2)
- Environmental Compliance (WBS 1.8.2.3)

  The Environmental Compliance Program is composed of two elements. These two elements were stand-alone programs known as the Hanford Environmental Management Program (HEMP) and the Effluent and Environmental Monitoring Program (EEM) prior to FY99. Although there is a single program, these elements retain their identity on the Integrated Priority List as two separate Units of Analysis.
- Public Safety and Resource Protection (WBS 1.8.2.4)

In addition, Richland Directed Activities, PBS OT04, is included in this section. It consists of general site requirements such as:

- Resource Conservation and Recovery Act [RCRA] Mixed Waste Fee (management fee)
- Department of Health (DOH) Oversight (air monitoring)
- Downwinder Litigation
- Permits/site support [State of Washington (air emissions program)]
- Emergency Preparedness Grants
- State of Oregon Hanford Oversight
- Payment in Lieu of Taxes
- Hanford Advisory Board/Miscellaneous Grants (Hanford Openness Panel)
- Uranium Mass Balance Project (Paducah)
- National Security Analysis (formerly declassification of documents)
- Other minor financial assistance grants and contracts.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, Milestone Achievement, and Cost/Schedule data contained herein is as of July 31, 2000. All other information is as of August 15, 2000 unless otherwise noted.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that 35 of the 38 milestones (92 percent) were completed on or ahead of schedule, three milestones (8 percent) were completed late and no milestones were overdue. The Milestone Achievement details, found following cost and schedule variance analysis, provide further information on all milestone types.

SITE PLANNING AND INTEGRATION (SP&I)

Multi Year Work Plan (MYWP) — FH Project Controls provided MYWP guidance to the Projects for the draft Phase 1 deliverables. The deliverables were developed in accordance with the RL Baseline Updating Guidance, with the few exceptions outlined in a letter FH delivered to RL on July 18, 2000 (FH-000359A R1, "Fluor Hanford Significant Issues with Baseline Updating Guidance"). Due to the Hanford fire, the deliverables' due date was extended to August 2, 2000. A major outstanding issue is full identification of $30. TP122 million in FY 2001 base operation efficiencies. Another $14 million in savings needs to be identified.

Integrated Priority List (IPL) Activities — The IPL module has been upgraded to support the MYWP development activities. The IPL module will continue to be upgraded to provide multi-prioritization capabilities, thus providing various scenario capabilities during the budget and planning cycles. Modifications continue in order to provide additional report and sort capabilities, and align the system to better support the development of the FY 2003 budget request.

IPABS-PEM Third Quarter Submittal — The Integrated Planning, Accountability and Budgeting System - Performance Execution Module (IPABS-PEM) Third Quarter submittal was sent to HQ on July 24, 2000, and the data was approved for complex-wide release on July 28, 2000. IPABS-PEM is the HQ Environmental Management performance-reporting module. It contains project BCWS, BCWP and ACWP data summarized at the PBS level, as well as associated milestone information. IPABS-PEM also includes Site Performance Measures data (actuals). The database was successfully batch fed with PHMC data directed collected from local computer systems to minimize data discrepancies. Other site contractor input (PNNL and BHI) was also collected and provided in the same feed.

Office of Management and Budgets (OMB) Budget Report — The OMB-A11 "FY2002 Planned Acquisition of Fixed Assets" funding request for the Plutonium Stabilization and Handling (PuSH) line item was delivered on July 24, 2000. This submission, a deliverable of the FY02 RL Unified Field Budget Request Guidance (UNICALL) was made on schedule.

Indirect to Direct Conversion — FH received formal direction to proceed with the Indirect to Direct conversion and Project Controls provided conversion impacts by Project Baseline Summaries (PBSs) on July 14, 2000. This effort has been combined with the decision to use a new Work Breakdown Structure (WBS) and Project Baseline Summary (PBS) for the site. This Outcomes-based structure (i.e., River, Plateau, Future, and Multi-Outcome) has been developed for implementation in FY 2002. Mission Planning Division (MPD) has formulated a letter to be sent to HQ for approval to proceed in FY2002 planning to this proposed restructuring.

Schedule Options Team Support — Project Controls has provided scheduling support to all seven Central Plateau teams preparing input to the overall scheduling options team effort. Special graphs, schedules, and cost exhibits were prepared for each option of the Plutonium Finishing Plant presentation. The FH Project Controls' scheduling team also issued a revision to the RL Summary Schedule that included Environmental Restoration (BHI) data and updates from the Spent Nuclear Fuel and Landlord projects.

IPABS/HANDI/PERF Systems Documentation — In response to Project Control's request, LMSI completed and delivered system design documentation for HANford Data Integrator (HANDI), the Performance Module (PERF), and all five of the Integrated Planning and Reporting System (IPARS) modules (Project Baseline Summary [PBS], Central Milestone Module [CMM], Baseline Change Control (BCC) module, Integrated Priority List (IPL), and the Project Execution Reporting Module [PERM]). This documentation gives a thorough reference of each application's use and function, provides a baseline description for future modifications, and satisfies the requirement of HNF-PRO-2778, *IRM Application Software System Life Cycle Standards.*

Funds Management — Although earned value measures are currently close to or within established thresholds, the PHMC is currently projecting a potential overrun in the Project Completion Control Point (see table of the following page). Project Fiscal Year Spend Forecast (FYSF) data continues to be analyzed in comparison to available funds, and recent trends indicate that without continued action, costs may exceed funds. Management has taken aggressive steps designed to correct this situation and preliminary data indicate that the actions are making significant contributions toward cost reductions. In addition, an internal reprogramming package was approved that transfers $5M from the Post 2006 control point to the Project Completion control point. This transfer helps balance the cost problem between the control points, but does not totally resolve the overall funds management problem. The PHMC is working closely with RL to apply available funds to this Project Completion control point. A number of solutions including the reclassification of the 300 Area Accelerated Cleanup Plan, Hanford fire costs to the Post 2006 control point along with additional EM funds from other sources and continued reductions in FYSFs are in process and will be reflected in future reporting periods.

Performance Management Meetings — Due to schedule priorities, only one of the three scheduled July Performance Management Meetings ("The River,") was held. Both the monthly "Central Plateau" meeting and the quarterly "FFTF" meetings were cancelled. Regardless of the cancellations, data materials were prepared for all of the meetings and distributed to the attendees as planned. Funds Management information was also included in the handout packages, addressing spending variances overall within FH and by individual project.

Environmental Management Performance Report (EMPR) — The July EMPR was delivered for its final review on Thursday, July 6, 2000, and then in bound copy on July 14, 2000, as scheduled.

Business Management Oversight Process (BMOP) Status — During July, Project Controls collected documentation to address and demonstrate fulfillment of the FY 2000 BMOP criteria. After reviewing this material in association with FH Performance Assurance, it was determined that some projects may also need to perform self-assessments to fulfill the BMOP criteria. FH and RL are still evaluating the areas of Classification/Declassification, Safeguards and Security, and Training to determine their BMOP criteria. Additionally, FH has requested its BMOP points of contact work with the RL functional area managers to establish updated criteria.

SYSTEMS ENGINEERING AND INTEGRATION (SE&I)

Nothing to report.

ENVIRONMENTAL COMPLIANCE PROGRAM (ECP)

The laboratory analyses of onsite ambient air samples taken during the Hanford wild fire continue to be reported as soon as possible, and shared with PNNL, BHI, the Washington State Department of Health (DOH) and the Environmental Protection Agency (EPA). The most recent isotopic (including Pu) analyses of onsite ambient air samples have been completed and provided for transmittal to HQ and placement on the website. The onsite concentrations of Pu 239/240 are slightly elevated in the 200 and 300 areas, but not as high as five of EPA's 41 samples taken with portable high-volume samplers during the fire. The difficulty in comparing numbers is that there may be differences in sampling and analytical techniques. EPA was requested to provide details about their sample volumes and analysis methods so that analytical results can be better compared. Isotopic analyses of the 10-day samples following the fire, which include the dust storm, have just been completed. One Pu-239/240 result was elevated at 1.6E-3 pCi/m3. This was for the composite of nine air samples in 200 West.

Hanford's range fire environmental radiological monitoring web page is:
http://www.hanford.gov/hanfordfire.html

An information package was prepared to provide HQ with supplemental information for waste sites associated with the Hanford wild fire, including waste site descriptions, maps, and radionuclide inventories. In addition, a description outlining methods to economically re-vegetate the area west of the WRAP and CWC facilities in 200-W was drafted. The primary purpose of such reclamation would be to protect facilities from blowing and drifting sand and to provide habitat for wildlife.

FH Environmental & Regulation and Environmental Services have participated in a Hanford Site wide effort to obtain an agreement with EPA and Ecology on the regulatory status and management requirements for waste containing Polychlorinated Biphenyl (PCBs). This has so far resulted in a draft Agreement in Principle amongst Office of River Protection (ORP), RL, Ecology and EPA. There will be further discussions with the regulators in a workshop to be held the week of August 21, 2000.

PUBLIC SAFETY AND RESOURCE PROTECTION (PSRP)

Public Safety and Resource Protection (PS&RP) Program staff continued to play a major role in the recovery from the fire that consumed approximately 150,000 acres of the Hanford Site. Staff provided key meteorological support to emergency response and firefighting teams during the event. In addition, staff provided critical air sampling support and geological, ecological, and cultural resource information during immediate follow-up and damage assessment activities. Recovery activities include the collection of additional air, soil, and agricultural product samples, ecological surveys, and the replacement of damaged air sampling and meteorology equipment. In addition, plans for reclamation of burned mitigation sites and further resource (cultural and natural) protection were developed.

ACCOMPLISHMENTS

Site Planning and Integration (SP&I)

- The deliverable, Monthly EMPR was delivered on July 6, 2000.
- The deliverable, Third Quarter 1.8.2.1. Progress Status with RL was conducted on July 11, 2000.
- The deliverable, FY 2000 Outlay Estimate Update to Draft Revision was completed on July 17, 2000.
- The deliverable, Conduct MYWP Workshops/Update AWP POMES was completed on July 21, 2000.
- The deliverable, Submit OMB A-11-Preliminary FY 2002 Part "B" Crosscut was completed on July 24, 2000.

System Engineering and Integration (SEI)

- Nothing to report.

Environmental Compliance Program (ECP)

FY 2001 MYWP and New Basis of Estimates

- The ECP was restructured to eight Work Breakdown Structure (WBS) Elements. Each element is made up of multiple work activities that must be accomplished within the element. New FY 2001 Basis of Estimates (BOEs) was prepared for each activity using activity based cost estimating technique. The new BOEs resolve weaknesses that were identified by independent cost baseline assessment performed the US Army Corps of Engineers that was completed in February 2000.

Compliance

- The cancellation of Milestone ECP-00-506, Chief Financial Officer (CFO) Report was approved. There has been no request from DOE-HQ for the FY2000 CFO Report.

- A draft of the *Environmental Releases for Calendar Year* 1999 (HNF-EP-0527-9) was prepared and distributed for sitewide review. Comments are due by August 25, 2000. This report represents Milestone ECP-00-804; the final report is due by August 31, 2000.

Annual LDR Report

- On July 31, 2000, the annual LDR report was submitted to Ecology and EPA, in accordance with Tri-Party Agreement Milestone M-26-01J, and as amended by Ecology's Final Determination dated March 29, 2000. This report consists of 3 volumes. Volume 1, "Hanford Site Mixed Waste Management Program Implementation Plan" and Volume 2, "Progress Report", are new for this year's submittal and are based on requirements

contained in the LDR Final Determination issued by Ecology. Volume 3, "Hanford Federal Facility Agreement and Consent Order Milestone M-26-01J Deliverable", represents the information analogous to previous annual LDR reports. Although the requirements contained in the Final Determination continues to be the subject of discussion and controversy between DOE and the regulators, the annual LDR report was updated to reflect current information and also included new plans and reporting to address Final Determination requirements as much as possible.

RCRA Permit Revision and Implementation

- Environmental Services coordinated the sitewide RCRA Permit Steering Committee meeting with Ecology and issued meeting minutes.

- Environment and Regulation coordinated and prepared a presentation for the July 25 TPA M-20 Milestone Quarterly Status meeting with the regulators.

Inspections/Assessments

- The general baseline assessment of PFP by Ecology that started on June 14 is still on going. From July 10 to August 10 ES coordinated the following Ecology inspections, meetings and document requests concerning PFP:

- On July 25 the Ecology inspectors meet with DOE and selected FH personnel and discussed the classified materials and areas in PFP that would be inspected. .

- On July 26 the inspectors came to the facility and inspected all the classified areas i.e. the RMC line, RMA line, Magnesium Hydroxide treatment glove box, etc.

- On August 1-3 Ecology received and reviewed documents (21 items in all). Ecology requested a meeting with RL/FH personnel to discuss 12 topics of interest for August 8.

- On August 8 Ecology came to the facility and interviewed FH personnel on the unclassified topics from their list.

- On August 10 met with contractor personnel on classified material.

- ES coordinated regulatory inspections and information requests at the following facilities:

- T-Plant and 224-T (TRUSAF) Facilities on July 11. The inspectors met with personnel from T-Plant and the Accelerated Deactivation group. Ecology gathered information on 25 containers (drums) currently being stored outside T-Plant. Ecology inspected T-Plant's perimeter, hazardous and mixed waste storage areas and inside of the 224-T Facility

- "Dangerous Waste Compliance Checklist" inspection of the 242-A Facility on July 13. Many documents were reviewed and personnel interviews conducted to determine compliance with various requirements from the RCRA Permit.

- Follow-up inspection of 90-Day Area and Non Regulated Storage Area 600 Area.

- Washington State Department of Health (WDOH) EPA level II inspection of the 296-B-10 stack at the WESF facility on July 13 and a follow up on July 28.

- Washington State Department of Ecology (WDOE) Chapter 173-216 WAC, State Waste Discharge Permit inspection of the 183-N Pond, and 100-K wells (199-K-27 and 199-K-30) on July 20.

- Ecology RCRA compliance inspection of 200 East Area ETF facility and LERF using the " Dangerous Waste Compliance Checklist Format" July 27.

- ES is coordinating the Inspection Protocol development activities for the sitewide Central Environmental Committee Sub Team activities.

Crosscutting Compliance/Issue Resolution

- ES monitored Tank Farms upgrades being considered to meet the full compliance completion date of 2005 to determine impacts to FH facilities such as the 242-A Evaporator and the 219-S Facility (also may impact PFP).

- ES provided support to FH/RL Legal on the modified definition of an Independent Qualified Registered Professional Engineer (IQRPE) as given in Ecology's M-32 Administrative Order. While the Administrative Order applies to RL, ORP, and CHG, the definition of an IQRPE impacts all Hanford dangerous waste tank systems.

- Environmental Services and/or Environmental and Regulation coordinated/ performed/supplied regulatory expertise/analysis/comments/impacts as necessary:

  Completed regulatory analysis on revisions to WAC 173-303, Dangerous Waste Regulations.
  Completed review of Federal Register on Land Disposal Restriction Advanced Notice of Proposed Rulemaking.
  Participated in meetings with Ecology on revisions to the Central Consolidated Recycling Center Management Plan.
  Continued pushing for a Hanford Facility RCRA Permit modification to remove Dangerous Waste Training Plans from the permitting process.
  Finalized comment package from FH company review of HNF-PRO-459, Environmental Training.
  Continued participation in leading a Hanford Site effort to revise "implementation of the contingency plan" language with Ecology.
  Supported Plutonium Finishing Plant in interfacing with RL and Ecology on regulatory matters concerning cementation, pipe and go, and magnesium hydroxide precipitation activities.
  Coordinated Hanford RCRA Issues DOE interface meeting.
  Continued working on WSCF Hold Time issue. Held meetings with WSCF staff July 19,

2000, July 25, 2000 and August 30, 2000 to close out gaps.
Presented Hanford Facility Interim Status Proposal to the Hanford Facility RCRA Permit Steering Committee meeting on July 11, 2000. Developing a formal letter to Ecology requesting a decision on the Interim Status Proposal.

Project Support (ECP funded)

- Environmental Service completed final draft revisions of the PUREX Storage Tunnels and 200 Area Liquid Waste Processing Facilities Dangerous Waste Training Plans.

Reporting: Spill and Release; NPDES

- Regulatory reporting was coordinated for nine (9) non-reportable releases of a hazardous substance and /or a petroleum product released to the environment. All of these releases were cleaned up and disposed of per state and federal requirements. There was one (1) reportable event, with a release to the environment and six (6) reportable code non-compliance events that were reported directly to the off site regulatory agency's) by the FH Environmental Single Point-of-Contact.

- The HNF-PRO-453, Spill and Release Reporting Procedure will soon be sent out for review and when finalized will be integrated within the HNF-PRO-060, Occurrence Reporting Procedure.

- Information for the Environmental Events monthly data input and the Inspection Interface Tracking data for July FY2000 are being compiled for Quarterly input into the FH ESH&Q Performance Indicator Report.

- The National Pollutant Discharge Elimination System (NPDES) report for June 2000 was successfully transmitted on July 17 to EPA region 10. There were no problems noted for this month.

Chemical Management

- On Thursday, August 10, 2000, a meeting was held with HAMMER and Central Training personnel to discuss the development of training related to the Chemical Management Program (CMP) and the associated Chemical Management Software (CMS).

- A process for Subcontractor Chemicals Used Onsite has been developed, with the need for several minor refinements. A meeting will be held with the contracts department after the refinements are complete.

- The Web page for the CMP has been uploaded to the Hanford Intranet. The address for the page is http://www.rl.gov/cmp/. Included in this Web site are pages giving an overview of the CMP, a listing of all of the individuals involved in the program (both central and facilities people), the criteria for identifying those chemicals that are to be tracked, the bi-weekly CMP Newsletter, a link to the Waste Minimization/Pollution

Prevention excess chemicals list, and links to other sites that are related to chemical management. In preparation for addition to the CMP Web page is a "What's New" page, a page giving upcoming events/requirements, a Frequently-Asked Questions (FAQ) page, and possibly a link to the Product Predetermination List that is maintained by Analytical Services.

- CMS Database Development Schedule is being revised to include the additional tasks identified by LMSI. Several activities are in progress. One essential activity is the standardization of building name and room, which will be made possible by the new Caretaker software package being assembled by LMSI. Caretaker will use information from Hanford Facility Core and add additional information for level and room. Another activity is the designation of the various fire zones for all areas that will contain chemicals.

Management and Administrative Support

- An Environmental Services (ES) Guidance Document has been drafted to provide ES staff with general practices to be followed to conduct data and information call-outs in a more formal and structured manner. Application of the guidance document is expected to result in improved quality and schedule performance in preparing environmental documentation.

- ES completed evaluation of deficiencies identified in the ES safety inspection.

- ES represented FH in Energy Facility Contractors Group (EFCOG) ISMS, Environmental Work sub-group conference calls and prepared materials for the EFCOG Environmental sub-group meeting in Albuquerque.

Public Safety and Resource Protection (PSRP)

- PS&RPP staff participated in a Hanford Site and Hanford Reach tour for PNNL's Laboratory Advisory Committee on July 17. The activity included a bus tour of the eastern portion of the Site and a boat trip from the White Bluffs area back to Richland.

- PNNL Key Milestone RLOT015001 "Complete Hanford Cultural Resources Laboratory Procedures Manual" was completed on July 31, on schedule.

- PNNL Key Milestone RLOT016011 "Complete Input of Spring/Summer Baseline Field Survey Data," was completed July 31, on schedule.

ISMS Status

Nothing to report at this time.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Nothing to report at this time.

UPCOMING ACTIVITIES

Hanford Air Operating Permit (AOP) – A preliminary draft of Ecology's proposed permit is expected the week of August 21, 2000. FH Environmental Services will be coordinating a two-week Hanford Site wide review of this draft. Integrated comments will be provided to the agency. Ecology will consider these comments while finalizing the public review draft. Public review of the proposed permit is expected in early September.

Modification E of the Hanford Facility RCRA Permit – Ecology has again slipped its schedule for issuing this revision of the permit. It is now about 9 months behind schedule, and will be issued after the Modification F application material is submitted, which is due by August 31, 2000. Normally modification applications are submitted to Ecology every June, with the resultant revised permit issued by Ecology the following fall. FH has prepared a plan and schedule for reviewing the permit and making an appeal/no appeal recommendation within the statutory 30-day review time period.

The PS&RPP will complete the 1999 Site Environmental Report (FO Milestone RLOT013003) in September 2000, on schedule.

COST PERFORMANCE (M):

	BCWP	ACWP	VARIANCE
Mission Support 1.8	$18.4	$18.5	-$0.1*

*Rounding
The $0.1 million (1 percent) unfavorable cost variance is due to several factors. Further information at the PBS level can be found in the following Cost Variance Analysis details.

SCHEDULE PERFORMANCE (M):

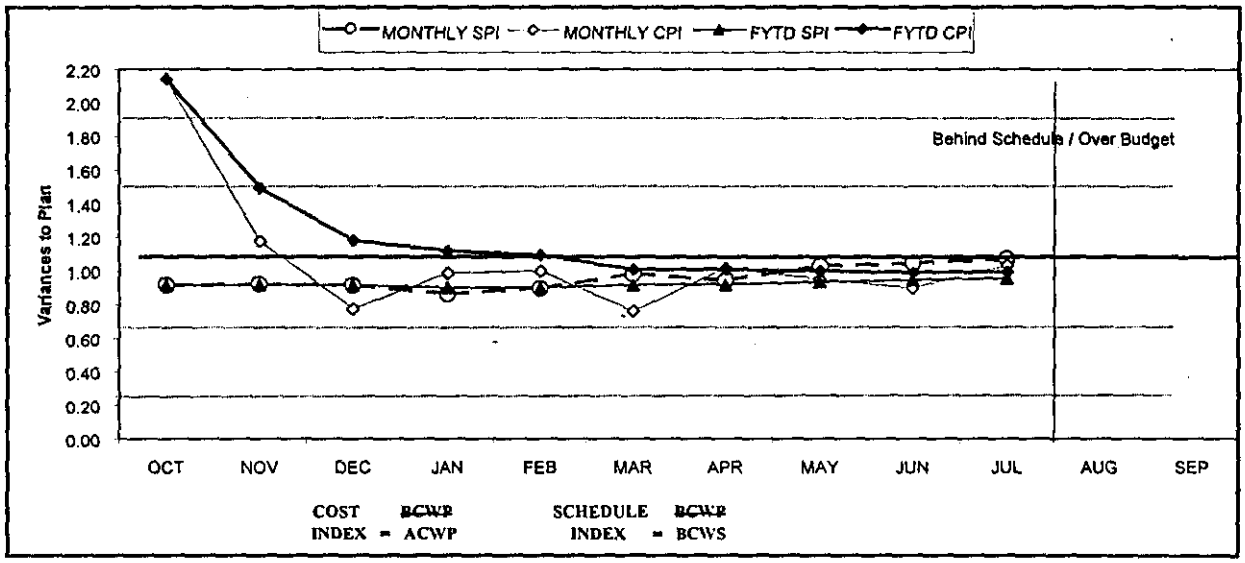
	BCWP	BCWS	VARIANCE
Mission Support 1.8	$18.4	$19.2	-$0.8*

*Rounding
The $0.8 million (5 percent) unfavorable schedule variance is due to several factors. Further information at the PBS level can be found in the following Schedule Variance Analysis details.

FY 2000 Cost/Schedule Performance – All Fund Types
Cumulative to Date Status – ($000)

By PBS		FYTD BCWS	BCWP	ACWP	SV	%	CV	%	PEM	EAC
PBS OT01 WBS 1.8.2	Mission Support Other MYPs	$ 19,218	$ 18,356	$ 18,481	$ (862)	-4.5%	$ (126)	-0.68%	$ 23,284	$ 24,950
	Total	$ 19,218	$ 18,356	$ 18,481	$ (862)	-4.5%	$ (126)	-0.68%	$ 23,284	$ 24,950

Cost/Schedule Performance Indices
(Monthly and FYTD)



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.92	0.92	0.91	0.86	0.90	0.98	0.94	1.03	1.05	1.07		
MONTHLY CPI	2.14	1.18	0.78	0.99	1.00	0.76	1.02	0.95	0.90	1.03		
FYTD SPI	0.92	0.92	0.92	0.90	0.90	0.92	0.92	0.93	0.94	0.96		
FYTD CPI	2.14	1.49	1.18	1.12	1.09	1.01	1.01	1.00	0.99	0.99		
MONTHLY BCWS	$1,848	$2,071	$1,576	$2,309	$1,858	$2,209	$1,996	$2,070	$1,509	$1,771	$2,024	$2,042
MONTHLY BCWP	$1,694	$1,907	$1,442	$1,997	$1,666	$2,166	$1,880	$2,127	$1,578	$1,899		
MONTHLY ACWP	$792	$1,620	$1,853	$2,022	$1,668	$2,837	$1,852	$2,241	$1,762	$1,835		
FYTD BCWS	$1,848	$3,919	$5,495	$7,804	$9,662	$11,871	$13,867	$15,938	$17,447	$19,218	$21,241	$23,284
FYTD BCWP	$1,694	$3,601	$5,043	$7,040	$8,706	$10,872	$12,752	$14,879	$16,457	$18,356		
FYTD ACWP	$792	$2,412	$4,265	$6,287	$7,955	$10,792	$12,644	$14,884	$16,646	$18,481		

COST VARIANCE ANALYSIS: (-$0.1 M)

WBS/PBS **Title**

1.8.2/OT01 **Mission Support**
Description/Cause: The $0.1 million (1 percent) unfavorable cost variance is within acceptable reporting thresholds.
Impact: No impact.
Corrective Action: No corrective action required.

SCHEDULE VARIANCE ANALYSIS: (-$0.8 M)

1.8.2/OT01 **Mission Support**
Description/Cause: The $0.8 million (5 percent) unfavorable schedule variance is within acceptable reporting thresholds.
Impact: No impact.
Corrective Action: No corrective action required.

FUNDS MANAGEMENT
FUNDS VS SPENDING FORECAST ($000)
FY TO DATE THROUGH JULY 2000
(FLUOR HANFORD, INC. ONLY)

	Project Completion *			Post 2006 *			Line Items *		
	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance
Multiple Outcomes									
1.8 Mission Support									
OT01, OT04				16,569	16,139	430			
Inventory				8,286	7,386	1,000			
Total Mission Support Operating				$ 24,855	$ 23,525	$ 1,430			
Total Mission Support Line Item									

ISSUES

Nothing to report at this time.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS ($000)

PROJECT CHANGE NUMBER	DATE ORIGIN	BCR TITLE	FY00 COST IMPACT $000	SCH	TECH	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
SPI-2000-001	10/7/99	Addition of Paths to Closure Range Estimate	$67						Approved
SPI-2000-002	10/22/99	FY 1999 Carryover Scope	$248	X	X	2/3/00	2/3/00		Approved
SPI-2000-003	11/5/99	Baseline Modifications to Support Fiscal Year 2000 Multi-Year Work Plan Update	($923)			3/23/00	3/23/00	5/14/00	Approved
SPI-2000-006	2/17/00	Modeling Tool & IPL Module Scope Additions FY 2000	$117	X	X	2/17/00	2/17/00	5/4/00	Approved
SPI-2000-007	4/28/00	10% Reduction to FY 2000 1.8.2.1	$675		X				Approved
PSR-2000-001		Alignment of Budget/Scope to Funding Allocation and Incorporation of FY 1999 Carry Over	$193	X				5/4/00	Approved
PSR-2000-002	6/13/00	Incorporation of FY 1999 Carryover Funds to FY 2000 Scope	$175			6/22/00	6/22/00		In Progress
SSE-2000-001	10/6/99	FY 2000 Bridge Change Request	($88)			11/10/99	11/10/99	1/26/00	Approved
SSE-2000-002	10/18/99	FY 99 Carryover							RWOA-F
SSE-2000-003	1/31/00	Repricing Impacts to Baseline							Draft
SSE-2000-004	7/26/00	FY 2000 to FY 2001 BCR							draft
ECP-2000-001	11/15/00	Correctional/Alignment of ECP Milestones				11/30/99	11/30/99	1/26/00	Approved
ECP-2000-002	12/7/99	Remove Project W-420 from Environmental Compliance Program	($1,380)			1/5/00	1/6/00	2/11/00	Approved
ECP-2000-003	12/15/00	Utilization of ECP FY - 99 Uncosted Carryover	$449						Draft
ECP-2000-004	2/15/00	Adjust Baseline to Final FY 2000 Funding Allocations and Change ECP-00-410 Milestone Date	$161			4/7/00	4/7/00	5/10/00	Approved
ECP-2000-005	4/18/00	Change Due Date for ECP Milestone ECP-00-704				5/4/00	5/4/00	5/25/00	Approved
ECP-2000-006	5/2/00	Rebuild Automated Bar Coding of Air	$193	X					Draft
ECP-2000-007	5/15/00	Change Level and Type of Environmental Compliance Program(ECP) Milestones				5/31/00			Approved
ADVANCE WORK AUTHORIZATIONS									
		Nothing to report.							

MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2000
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	19	3	0	0	0	3	0	25
DOE-HQ	0	0	0	0	0	1	0	1
RL	8	5	3	0	0	10	0	26
Total Project	27	8	3	0	0	14	0	52

Tri-Party Agreement / EA Milestones			
Number	**Milestone Title**	**Baseline Date**	**Actual Completion Date/Status**
ECP-00-302	**RCRA Permit Class 1 Mod Notification Quarter 1 (For Year 2000-2046)**	10/01/1999	09/30/1999
ECP-00-702	**RCRA RPTS/DOCS Closure/Post Closure Cost Est. to RL**	10/22/1999	10/06/1999
ECP-00-901	**Issue Quarterly NESHAP Status RPT to RL for EPA**	10/22/1999	10/20/1999
EPC-00-306	**Annual Asbestos Notification of Intent (For Year 2000-2046)**	12/31/1999	12/14/1998
ECP-00-303	**RCRA Permit Class 1 Mod Notification Quarter 2 (For FY 2000-2046)**	01/01/2000	12/16/1999
ECP-00-902	**Issue Quarterly NESHAP Status RPT to RL for EPA**	01/28/2000	01/17/1999
ECP-00-410	**Annual PTRAEU Report to DOE-RL (For FY 2000-2046)**	02/01/2000	Overdue
ECP-00-701	**Annual Noncompliance Report to RL**	02/17/2000	02/09/2000
ECP-00-503	**1999 Hanford Site Annual Dangerous Waste Report (FY 2000-2046)**	02/22/2000	02/22/2000
ECP-00-501	**Tier II Emergency & Hazardous Chemical Inventory**	02/23/2000	02/23/2000
ECP-00-003	**Biennial Assess. Of Info. & Data Access Needs EPA/ECO (2000-2046)**	03/31/2000	03/06/2000
ECP-00-801	**Transmit EIS/ODIS Data to INEEL (FY 2000-2046)**	04/01/2000	04/01/2000
ECP-00-802	**Issue Annual Non-Radioactive Airborne Emissions Report (FY 2000-2046)**	04/01/2000	04/01/2000
ECP-00-304	**RCRA Permit Class I Mod Notification Quarter 3 (For FY 2000-2046)**	04/02/2000	04/02/2000
ECP-00-904	**Issue Quarterly NESHAP Status Report To RL for EPA**	04/21/2000	04/21/2000
ECP-00-803	**Issue Annual Radionuclide Air Emissions Report (For FY 2000-2046)**	06/15/2000	06/14/2000
ECP-00-502	**EPCRA Section 313 Toxic Chemical Release Inventory**	06/23/2000	06/21/2000
ECP-00-504	**Annual PCB Document Log – June**	06/23/2000	06/22/2000
ECP-00-305	**RCRA Permit Class I Mod Notification Quarter 4 (For FY 2000-2046)**	07/02/2000	06/26/2000
ECP-00-507	**Annual LDR Report (M-26-01)**	07/21/2000	07/18/2000
ECP-00-906	**Issue Quarterly NESHAP Status Report to RL for EPA**	07/28/2000	07/05/2000
ECP-00-703	**Coordinate RCRA Pipe Mapping and Marking (For FY 2000-2046)**	09/21/2000	
ECP-00-301	**RCRA General Facility Inspections (For FY 2000-2046)**	09/30/2000	
	DNFSB Commitments		
	Nothing to report.		

MILESTONE EXCEPTION REPORT

Number/WBS	Level	Milestone Title	Baseline Date	Forecast Date

Overdue – 0

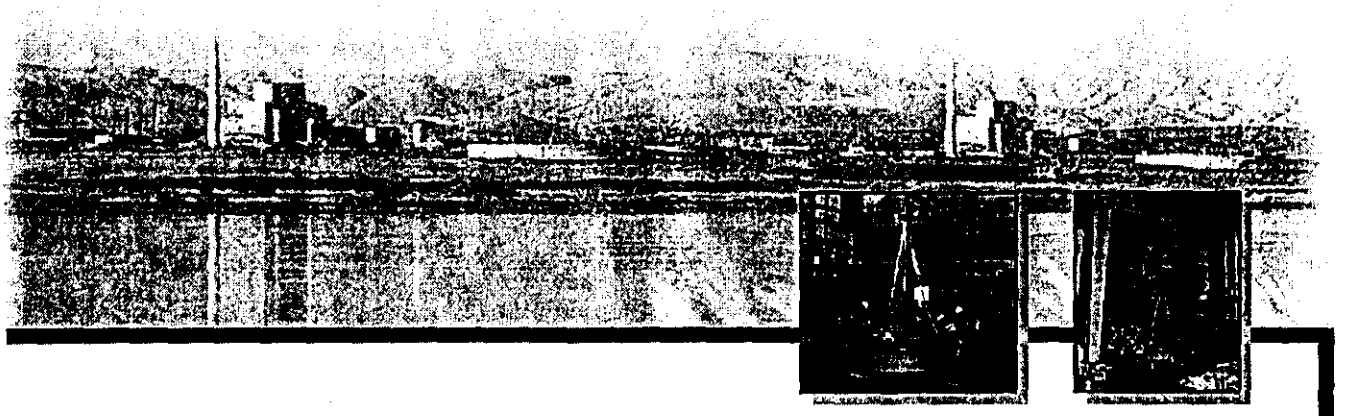
Forecast Late – 0

PERFORMANCE OBJECTIVES

Nothing to report at this time.

KEY INTEGRATION ACTIVITIES

Specific components of the PS&RP Program are identified as a critical core project within the Groundwater/Vadose Zone Integration Project. As such, key activities relevant to both programs were integrated into FY 2001 detailed work plans as appropriate



Section J

National Programs

SUMMARY

DOE EM is responsible for a variety of National Programs. DOE-HQ typically provides operations policy and programmatic guidance to one or more field office that serve as lead for individual programs. FH currently supports the following National Programs: Transportation and Packaging (PBS OT02) and Pollution Prevention and Waste Minimization (PBS WM07).

Transportation and Packaging provides full-service transportation and packaging capabilities. Packaging services for radioactive and hazardous cargo is provided, including regulatory safety-basis documentation, certification, and licensing. Packaging plans and logistical studies for major shipping campaigns are also provided, as well as approved training courses in transportation safety and waste management. Transportation and traffic logistics management, engineering and operational support to offsite customers, carrier selection and evaluation, automated transportation management systems used by the U.S. Department of Energy (DOE) complex and commercial vendors, and international transport of hazardous and radioactive packages are other services provided.

Pollution Prevention and Waste Minimization (P2/WMin) coordinates the development and implementation of a Hanford Site P2/WMin Program to comply with Federal, state, and DOE directives. The program's purpose is to achieve Site objectives through effective and efficient methodologies tailored to generator activities and operations.

ACCOMPLISHMENTS

- EM-22 P2/WMin presentation of 15 complex wide unfounded ROI Projects that were presented to HQ Senior Management, resulted in one Hanford ROI Project (TRU Waste Field Assay) as being approved for funding. Other unfounded Hanford ROI proposals, not presented, are still being reviewed. Complex wide Operations Offices were requested to evaluate some of the projects from current budgets.

- Completed input into the HQ electronic database of the DOE/RL FY 2000 third quarter P2/WMin Accomplishments Report. This completes RL Milestone YP2-00-001 of July 28, 2000.

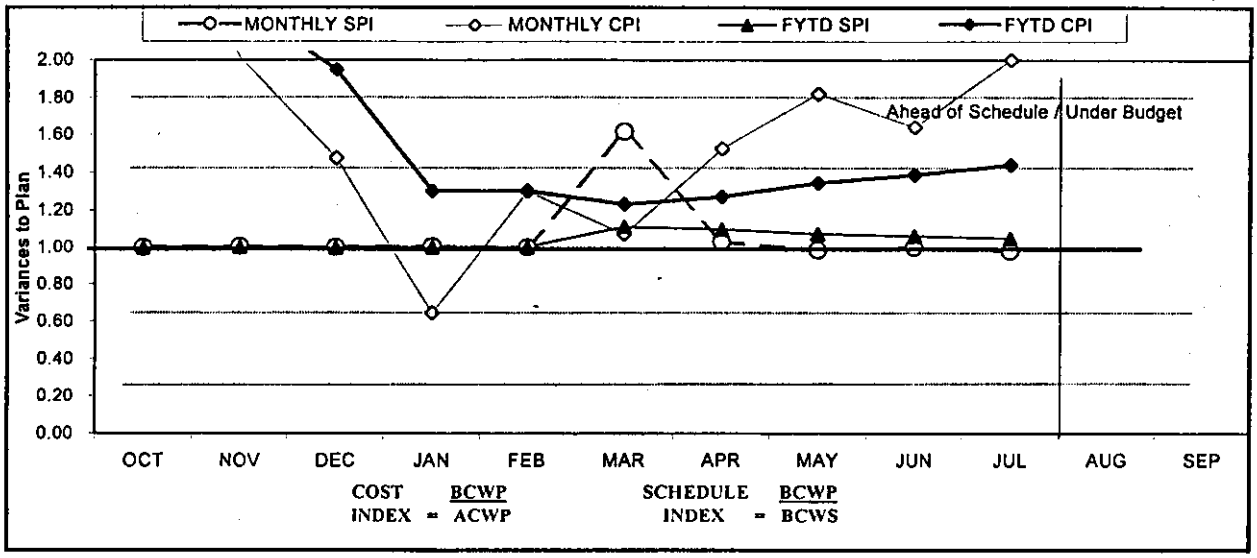
- "Hanford Site FY 2000 Pollution Prevention Goal Status," dated July 26, 2000 transmitted the Hanford Site third quarter FY 2000 P2 performance measures. These measures reflect the progress toward meeting the Hanford Site FY 2000 routine waste reduction, sanitary waste recycling, and affirmative procurement goals. Through the third quarter, the Hanford Site is on track toward meeting the FY waste reduction and sanitary waste recycling goals. The affirmative procurement goal, procurement of products with recycled content (with exemptions) is 100%. The Hanford Site is at 99.8%.

- Efforts continued in the development of the Hanford Site Minimum Packaging Requirements (MPR) with RL. The intent of the MPR is to establish a regulatory baseline of requirements (10 CFR 71) for future development of SARP/SEP's. Once these criteria have been established and approved by RL, the MPR will reduce the approval process on SARP/SEP's.

FY 2000 Cost/Schedule Performance – All Fund Types
CUMULATIVE TO DATE STATUS – ($000)

	By PBS	FYTD BCWS	BCWP	ACWP	SV	%	CV	%	PEM	EAC
PBS OT02 WBS 1.11	Transportation & Packaging (RL 7601)	$ 1,861	$ 2,072	$ 1,410	$ 211	11%	$ 662	32%	$ 2,319	$ 2,468
PBS WM07	Waste Minimization (RLHQ 7770)	$ 2,412	$ 2,413	$ 1,701	$ 1	0%	$ 713	30%	$ 3,681	$ 3,681
	Total	$ 4,273	$ 4,485	$ 3,110	$ 212	5%	$ 1,375	31%	$ 6,000	$ 6,149

COST/SCHEDULE PERFORMANCE INDICES (MONTHLY AND FYTD)



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	1.00	1.00	1.00	1.00	1.00	1.62	1.03	0.98	1.00	0.98		
MONTHLY CPI	2.81	2.01	1.48	0.65	1.30	1.07	1.53	1.82	1.64	2.00		
FYTD SPI	1.00	1.00	1.00	1.00	1.00	1.11	1.10	1.07	1.06	1.05		
FYTD CPI	2.81	2.30	1.95	1.30	1.30	1.23	1.27	1.35	1.39	1.44		
MONTHLY BCWS	$ 304	$ 383	$ 328	$ 329	$ 324	$ 361	$ 398	$ 611	$ 674	$ 561	$ 675	$ 1,051
MONTHLY BCWP	$ 303	$ 384	$ 328	$ 330	$ 324	$ 585	$ 409	$ 601	$ 672	$ 548		
MONTHLY ACWP	$ 108	$ 191	$ 222	$ 512	$ 249	$ 547	$ 268	$ 330	$ 409	$ 274		
FYTD BCWS	$ 304	$ 687	$ 1,015	$ 1,345	$ 1,669	$ 2,030	$ 2,428	$ 3,039	$ 3,713	$ 4,274	$ 4,949	$ 6,000
FYTD BCWP	$ 303	$ 687	$ 1,015	$ 1,345	$ 1,669	$ 2,254	$ 2,663	$ 3,264	$ 3,937	$ 4,485		
FYTD ACWP	$ 108	$ 299	$ 521	$ 1,033	$ 1,282	$ 1,829	$ 2,096	$ 2,427	$ 2,836	$ 3,110		

COST VARIANCE ANALYSIS: (+$1.4M)

WBS/PBS **Title**

1.11.1/OT02 **Transportation and Packaging**
Description and Cause: The $662K (32 percent) favorable cost variance is due to no MCEP evaluations being done because of a major change in the MCEP. When the revision is complete, MCEP field audits will resume which will increase both travel and labor costs. Additionally, the ATMS/ETAS integration project will not be started until FY 2001, at the request of the NTP customer.
Impact: None.
Corrective Action: None.

1.11.2/WM07 **Pollution Prevention/Waste Minimization**
Description and Cause: The $713K (30 percent) favorable cost variance is due to staffing shortfalls in first half of year.
Impact: None
Corrective Action: Under-runs will be utilized to offset funding shortfall in Fiscal Year 2001.

SCHEDULE VARIANCE ANALYSIS: (+$0.2M)

WBS/PBS **Title**

1.11.1/OT02 **Transportation and Packaging**
Description and Cause: The $211K (11 percent) favorable schedule variance is due to program efficiencies.
Impact: None.
Corrective Action: None.

FUNDS MANAGEMENT
FUNDS VS SPENDING FORECAST ($000)
FY TO DATE THROUGH JULY 2000
(FLUOR HANFORD, INC. ONLY)

	Project Completion *			Post 2006 *			Line Items *		
	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance
Multiple Outcomes									
1.11 & WM07 National Programs OT02, WM07							6,150	4,473	1,677
Line Item									
Total National Programs Operating									
Total National Programs Line Item							$ 6,150	$ 4,473	$ 1,677

* *Control Point*

GLOSSARY

Actual cost of work performed (ACWP): The actual cost incurred and applied or distributed for the work performed within a given time period. It includes all labor categories, material, any other direct costs, subcontract work, and function overhead.

Approved baseline: The budget authorized to perform the workscope that has been agreed upon by the customer and the contractor(s). It is portrayed in the Multi-Year Work Plan with all approved changes. This baseline may or may not be fully funded, and could be more or less than the compliance baseline.

Budget at completion (BAC): The sum of budgets established to complete a program and/or project or any component of a program and/or project.

Budgeted cost of work performed (BCWP): The value for completed work measured in terms of the planned budget for that work. It is synonymous with earned value.

Budgeted cost of work scheduled (BCWS): The time-phased budgeted value of work scheduled to be accomplished over a given time period. The BCWS for a total cost account through its entire period of performance is equal to the BAC for the cost account.

Carryover Workscope: The estimated dollar amount of the workscope that was not completed during the fiscal year and which will be carried over and completed in the next fiscal year.

Compliance baseline: The budget that is required to perform the workscope necessary to be in compliance with State and Federal regulations, enforceable agreement milestones, and DNFSB milestones. The level of activity required to be in compliance assumes sufficient funding. **Note:** Because approved baselines are considered to be compliant, this column will likely be eliminated.

Contract Inherited: The assumed budget for the planned scope of work at the time a new contract is signed by the company responsible for performing the work.

Cost variance (CV): The difference between BCWP and ACWP (CV = BCWP - ACWP). At any time, it shows whether the work actually performed has cost more or less than the amount budgeted for the same work.

Cost Performance Indicator (CPI): The CPI is the ratio of BCWP to ACWP, or (BCWP/ACWP).

Earned value (EV): The periodic, consistent, and objective measurement of work performed in terms of the budget planned for that work. The EV is synonymous with the BCWP and it is compared to the BCWS to obtain schedule performance and to the ACWP to obtain cost performance.

GLOSSARY (CONTINUED)

Estimate at completion (EAC): Cost allocated to the work breakdown structure element to date, plus the estimate of costs for authorized work remaining. Authorized work remaining includes any undistributed budget.

Fiscal Year Spending Forecast (FYSF): The estimated total that will be spent from October through September (current Fiscal Year).

Funding carryover and new Budget Authorization (BA): This funding represents both the funding allocated to perform workscope planned in the prior fiscal year, not completed, and approved to be performed in the current fiscal year, as well as new BA to perform the approved baseline workscope.

Funding target: The level of funding that is anticipated (as a result of the Integrated Priority List process) in a given Fiscal Year based on an assumed funding level for the Site.

Multi-Year Work Plan – 10/1/XX: The Project's approved cost/schedule/technical baseline at the beginning of the fiscal year.

Project Execution Module (PEM): The Project Execution Module (PEM) of the Integrated Planning, Accountability, and Budgeting System-Information System (IPABS-IS) replaces the Progress Tracking System (PTS) as EM Headquarters' centralized system for reporting financial, milestone, performance, and other execution-year information for PBSs, sub-PBSs, TTPs, and line item construction projects. In addition, this module collects mid-year and year-end actual performance information against the agreed upon management commitments for the current execution year.

Schedule Performance Indicator (SPI): The SPI is the ratio of BCWP to BCWS, or (BCWP/BCWS).

Schedule variance (SV): The difference between BCWP and BCWS (SV = BCWP - BCWS). At any time, or for a given period of time, it represents the difference between the planned dollar value of work actually accomplished and the value of the work scheduled to be accomplished.

Work breakdown structure (WBS): A product-oriented family tree division of real estate, hardware, software, services, and data products that organize, define, and display all of the work to be performed in accomplishing the program and/or project objectives.