



# Section C:2

## *River Corridor*

### **PROJECT MANAGERS**

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## **SUMMARY**

The River Corridor Project (RCP) 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 Project. 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, and Cost/Schedule data contained herein is as of November 30, 2000. All other information is as of December 27, 2000.

During this reporting period, the 324 Building Deactivation Project staff loaded out two steel waste disposal boxes (SWDBs); one was shipped to compliant storage on December 1. Four of the fourteen SWDBs required to complete B Cell cleanout have now been shipped. The planned outage for the 30-ton cask-handling crane was initiated on December 1, 2000, ahead of schedule. An independent crane consultant from PH Morris Material Handling has been on site assisting with repairs/alignment of the 30-ton crane Phase II repairs. Additionally, the 3-ton crane was returned to service following post-maintenance testing.

While in min-safe mode, the 327 Building Deactivation Project staff replaced the criticality alarm horn #12 and re-tested the system, as planned. In addition, an annual work schedule has been developed that includes contingency facility cleanout work scope as additional efficiencies are realized with the min-safe staff. To assist in final readiness for fuel movement, a 327 Project instrument technician was loaned to the K Basin Project.

The 300 Area Treated Effluent Disposal Facility (TEDF) treated 6.1 million gallons of wastewater for the month of November. Additionally, the 300 Area TEDF Waste Acceptance Criteria has been issued, and the revised Conduct of Operations Applicability Matrices for the 310 and 340 Facilities were transmitted to RL for approval. The 300 TEDF continues to make use of Plutonium Facility Plant (PFP)-loaned resources for waste disposition from the process sewer cleanout. In support of the Spent Nuclear Fuel Project (SNFP), a Multi Canister Overpack trailer was moved to 340-B East for winter storage.

Accelerated Deactivation Project's National Facilities Deactivation Initiative received the Vice-Presidential HAMMER Award for excellence in DOE complex deactivation planning efforts. In addition, the 3716 Building backflow preventer installation was completed, the building was declared in compliance by the site water purveyor. The sampling of 2714-U waste drums in 2706-T was initiated.

A Project Management Plan for the revised scope of the Uranium Disposition Project has been prepared and transmitted to RL for review and approval.

The Facility Evaluation Board (FEB) conducted a field activities evaluation of the River Corridor Project during the period of December 4 - 15, 2000. A report is expected mid-January 2001.

## **ACCOMPLISHMENTS**

### **324 Building Deactivation Project —**

- Two steel waste disposal boxes (SWDBs) were loaded out and one was shipped to compliant storage
  - Four of the fourteen SWDBs required to complete B Cell cleanout have now been shipped
- Rectangular grout container (RGC)-102 was filled with five engineered containers and three high level vault filters, and RGC-104 was transferred into B Cell
- Planned outage for the 30-ton cask handling crane was initiated on December 1, 2000, ahead of schedule
- An independent crane consultant from PH Morris Material Handling has been on site assisting with repairs/alignment of the 30-ton crane Phase II repairs
- A B Cell camera was replaced to improve visibility in B Cell
- The 3-ton crane was returned to service following post-maintenance testing
- Efforts continued on the implementation of the Safety Analysis Report (SAR) and companion Operational Safety Requirements (OSR) after a 45-day extension was granted by RL to allow operations as currently being conducted
- All minimum safe activities occurred as planned.

### **327 Building Clean up —**

- While in min-safe mode, the criticality alarm horn #12 was replaced and the system re-tested as planned
- An annual work schedule has been developed that includes contingency facility cleanout work scope as efficiencies are realized with the min-safe staff
- A 327 Project instrument technician was loaned to the K Basin Project to assist in final readiness for fuel movement.

### **300 Area Treated Effluent Disposal Facility (TEDF) —**

- The TEDF treated 6.1 million gallons of wastewater for the month of November
- The 300 Area TEDF Waste Acceptance Criteria has been issued
- The revised Conduct of Operations Applicability Matrices for the 310 and 340 Facilities were transmitted to RL for approval
- An old low-level waste box was shipped to the low-level burial grounds

- Three drums of radioactive sludge from cleanout of the process sewer manhole 16 were repackaged into a single radioactive waste drum
- 300 TEDF continues to make use of PFP -loaned resources for waste disposition from the process sewer cleanout
- In support of the Spent Nuclear Fuel Project, a Multi Canister Overpack trailer was moved to 340-B East for winter storage.

**Accelerated Deactivation Project —**

- The National Facilities Deactivation Initiative (NFDI) received the Vice-Presidential HAMMER Award for excellence in DOE complex deactivation planning efforts
- As planned, the 3706 Building waste has been repackaged and is ready to be shipped
- The scaffolding for final cleanup of 242B/BL was completed
- The first quarterly surveillance of 209-E Critical Assembly Room and Mix Room were completed after transfer from CH2M HILL Hanford Group (CHG)
- The 3716 Building backflow preventer installation was completed, and the building was declared in compliance by the site water purveyor
- Sampling of 2714-U waste drums in 2706-T was initiated.

**Uranium Disposition —**

- A Project Management Plan (PMP) for the revised scope of the project has been prepared and was transmitted to RL for review and approval.

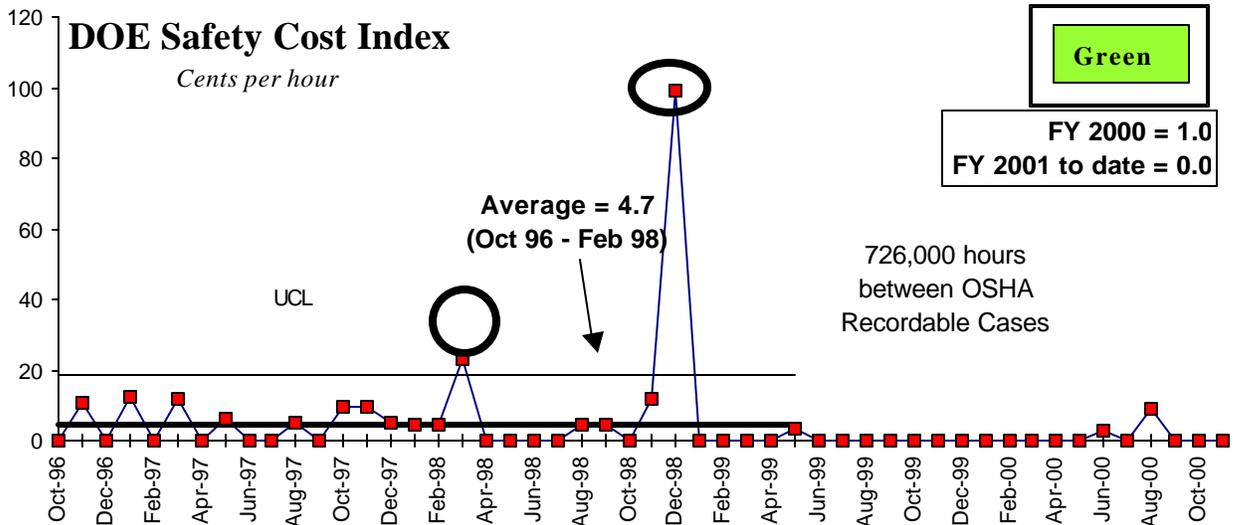
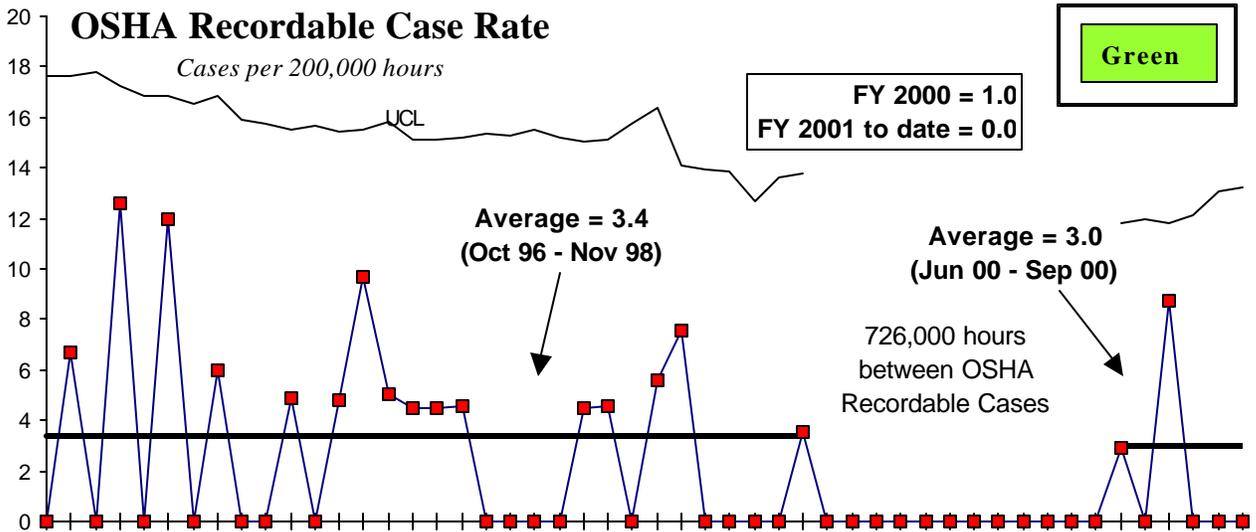
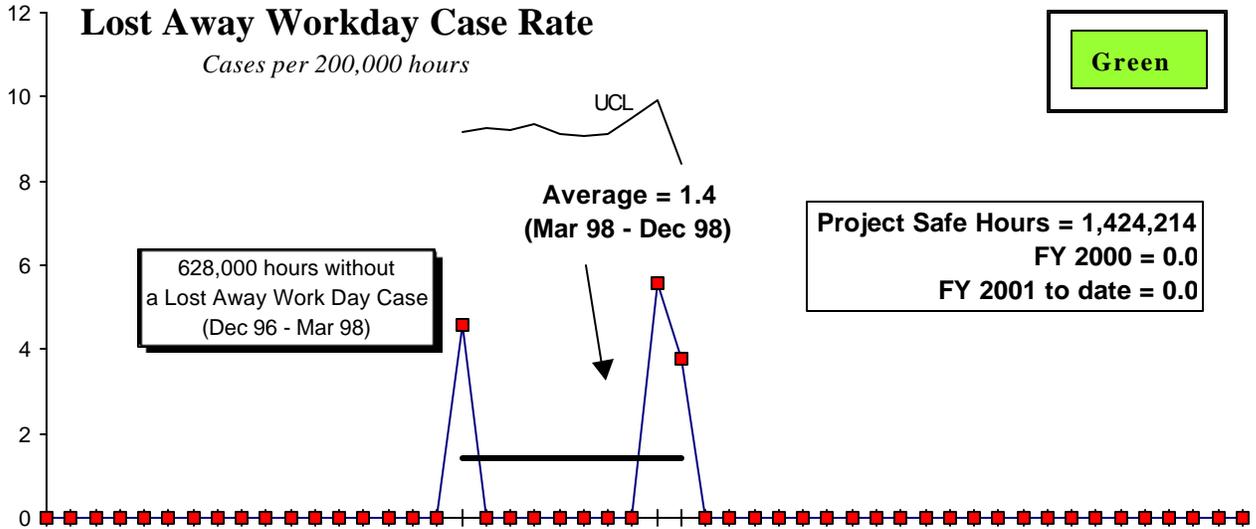
**Facility Evaluation Board Review —**

- The Facility Evaluation Board conducted a field activities evaluation of the River Corridor Project during the period of December 4 - 15, 2000. A report is expected mid-January 2001.

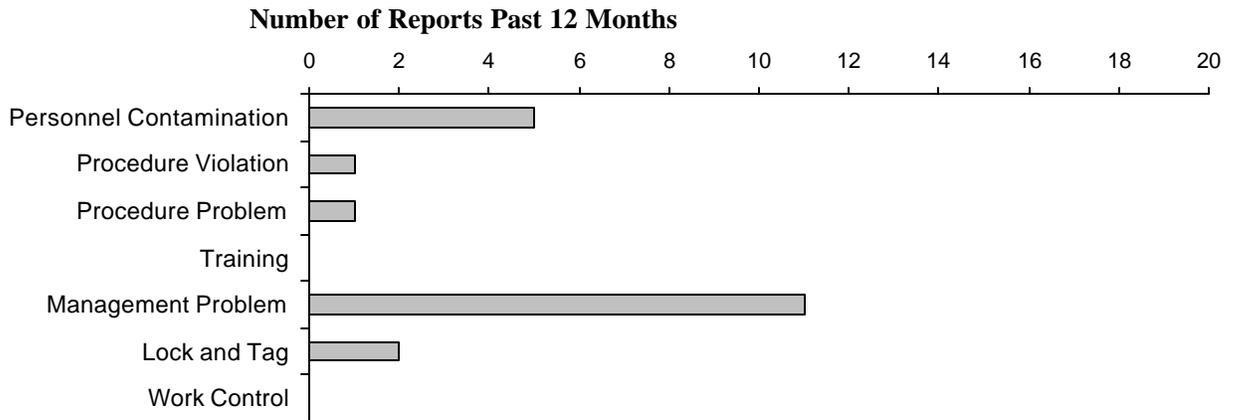
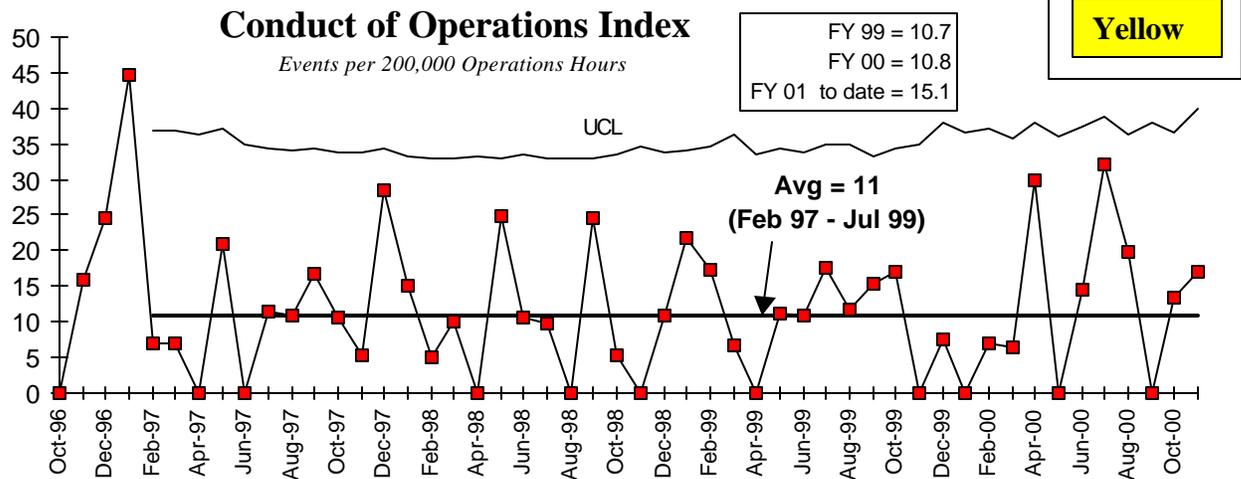
## **SAFETY**

The project has exceeded 1,474,214 hours without a Lost Away Work Day Case (23 months, since January, 1999), as of December 27, 2000.

The project had 726,000 hours between OSHA Recordable Cases, from June 1999 through May 2000. There have been no new OSHA Recordable Cases reported in the three months since the significant increase in the summer of 2000. There was only one case for the month, a first aid case. The project has an overall green rating.



## CONDUCT OF OPERATIONS / ISMS STATUS



The River Corridor Project (RCP) is continuing to evaluate the appropriate action(s) to address the number of Management Problems reported.

## ISMS STATUS

**Green**

- RCP staff members served as panel members, presenters and moderators at the National Integrated Environmental, Safety and Health Management System (ISMS) Workshop in December. Topics covered included “Benefits of the Automated Job Hazard Analysis,” “Barriers to Effective Communications,” and “Safety Initiatives and Sustaining ISMS.”
- An ISMS appraisal was performed as part of the Facility Evaluation Board (FEB’s) evaluation of the RCP during the first two weeks in December 2000.
- Recognition awards were given to each RCP employee for successful ISMS verification and also for achieving one million safe work hours.

## BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

### Breakthroughs

Green

- **300 Area Accelerated Closure Plan (ACP)** — An opportunity exists to accelerate closure of a significant portion of the 300 Area, nearly four decades ahead of the current deactivation plan, and for an estimated savings of over \$1.0 billion. The ACP provided the basis for the new “Done-in-a-Decade” closure project. A Baseline Change Request (BCR) has been initiated to begin skyline reduction activities (removal of two water towers, 3902A and 3902B) during FY 2001, with incremental funding provided by RL. A third facility, 303-K, already planned in the baseline will also contribute to the skyline reduction initiative.
- **Technical Reviews of 327 Hot Cell Removal** — Technology Management, in conjunction with RCP, has submitted a draft proposal for conducting a review of the feasibility of intact removal of hot cells from the 327 Facility. Rather than perform hot cell decontamination, stabilization, and eventual size reduction, and utilization of standard waste packaging, the technical review would begin to evaluate the feasibility of stabilizing, packaging and disposing of the hot cell as whole units. 327 Facility management accepted the topic and scope of this proposal; the review is presently scheduled to begin in January.
- **Remote Size Reduction System** — FH has been notified that a remote glove box size reduction system designed and fabricated for use at Rocky Flats will not be utilized. Discussions are currently underway with Rocky Flats and the vendor to assess the viability to transfer this system to Hanford.

### Opportunities for Improvement

- **324 Project Planning / Execution** — On November 7, 2000, FH provided formal notification to RL that Tri-Party Agreement milestone M-89-02 (“Complete Removal of 324 Building Radiochemical Engineering Cells (REC) B Cell Mixed Waste and Equipment”) would be missed. FH, in concert with RL and the Washington State Department of Ecology (Ecology), has prepared a revised schedule that factors in the lost schedule, and also predicts future schedule impacts. The schedule was impacted primarily due to technical/mechanical issues (high dose SWDBs, 30-ton and 3-ton crane repairs, SAR revision) and needed operational improvements, as well as a reduction in the amount of overtime previously planned in the baseline schedule. Resolution of the higher bottom dose on the SWDBs, although assumed to be resolved, as the schedule requires, also has the potential to further impact the schedule. FH has finalized the schedule, and is now working to due dates of March 30, 2001, for mixed waste removal, and July 31, 2001, for low-level waste removal.
- **Billet Safety Analysis Report for Packaging (SARP)** — The Unirradiated Uranium Billet Safety Analysis Report for Packaging (SARP) is required to minimize the cost of shipping and to support shipment of uranium billets off-site. The current uranium billet SARP, Revision K, with a Certificate of Compliance (COC), allows

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Green

shipment of only three billet boxes per trailer instead of five boxes per trailer as were analyzed for the revision. Shipping five boxes instead of three will save approximately \$200K of the billet transportation cost. DOE-HQ is aware of the impact and a revised SARP has been prepared to allow for the five billet boxes per trailer. The revised SARP and COC are targeted to be issued by January 15, 2001.

## UPCOMING ACTIVITIES

**Tri-Party Agreement Milestone M-89-02** — A date for completing the scope of “Complete Removal of 324 Building Radiochemical Engineering Cell (REC) B Cell Mixed Waste (MW) and Equipment,” is set for July 31, 2001. The scheduled date for removal of mixed waste from B Cell is now March 30, 2001. Removal of the low-level and TRU waste is due to be complete by July 31, 2001.

**Facility Evaluation Board Review** — FEB review is expected to be completed during first quarter of FY 2001.

**324/327 Authorization Basis** — Implement technical update of 324 Authorization Basis (Safety Analysis Report) by January 2001, and implement technical update of 327 Authorization Basis (Basis of Interim Operation) by May 2001.

**Uranium Disposition** — Complete shipment of ~235 metric tons of excess uranium billets and ~five metric tons of uranium dioxide to the DOE Portsmouth facility in Ohio by March 31, 2001, and disposition of ~140 metric tons of surface-contaminated uranium fuel by June 30, 2001.

**224-T** — Begin 224-T initial entry and characterization by early March 2001.

### FY TO DATE COST PERFORMANCE (\$M):

	BCWP	ACWP	VARIANCE
<b>River Corridor Project</b>	\$5.9	\$5.1	\$0.8

The \$0.8 million (13 percent) favorable cost variance was primarily from fiscal year startup anomalies. Further information at the PBS level can be found in the following Cost Variance Analysis details.

### FY TO DATE SCHEDULE PERFORMANCE (\$M):

	BCWP	BCWS	VARIANCE
<b>River Corridor Project</b>	\$5.9	\$7.4	-\$1.5

The \$1.5 million (20 percent) unfavorable schedule variance was primarily due to Steel Waste Disposal Boxes (SWDB) hot spots issue and resolution of emerging issues in 324 Facility transition. Further information at the PBS level can be found in the following Schedule Variance Analysis details.

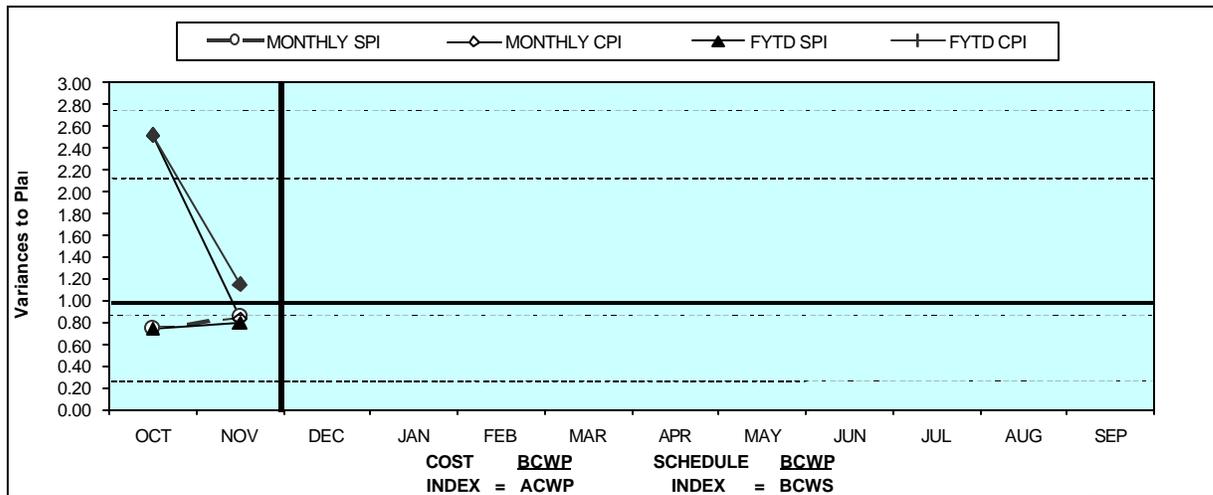
**FY 2001 COST/SCHEDULE PERFORMANCE – ALL FUND TYPES**  
**CUMULATIVE TO DATE STATUS – (\$000)**

By PBS	By PBS	FYTD								PEM
		BCWS	BCWP	ACWP	SV	%	CV	%		
PBS TP01	B-Plant	\$ -	0	\$ 0	\$ -	0%	\$ (0)	0%	\$ -	
WBS 1.4.1										
PBS TP04	300 Area/ Special	\$ 386	\$ 386	\$ 298	\$ -	0%	\$ 88	23%	\$ 2,751	
WBS 1.4.4	Nuclear Materials									
PBS TP12	Transition Program	\$ 1,028	\$ 1,025	\$ 181	\$ (3)	0%	\$ 844	82%	\$ 6,791	
WBS 1.4.6	Management									
PBS TP10	Accelerated	\$ 771	\$ 421	\$ 497	\$ (350)	-45%	\$ (76)	-18%	\$ 2,920	
WBS 1.4.8	Deactivation									
PBS TP08	324/327 Facility	\$ 5,123	\$ 3,974	\$ 4,093	\$ (1,149)	-22%	\$ (119)	-3%	\$ 34,912	
WBS 1.4.10	Transition									
PBS TP14	Hanford Surplus	\$ 64	\$ 64	\$ 51	\$ -	0%	\$ 13	20%	\$ 416	
WBS 1.4.11	Facility Program (300Area)									
<b>Total</b>		<b>\$ 7,372</b>	<b>\$ 5,871</b>	<b>\$ 5,120</b>	<b>\$ (1,502)</b>	<b>-20%</b>	<b>\$ 750</b>	<b>13%</b>	<b>\$ 47,790</b>	

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

**COST/SCHEDULE PERFORMANCE INDICES**  
**(MONTHLY AND FYTD)**

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FY 2001	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.74	0.84										
MONTHLY CPI	2.51	0.83										
FYTD SPI	0.74	0.80										
FYTD CPI	2.51	1.15										
MONTHLY BCWS	\$3,234	\$4,138	\$3,514	\$4,163	\$3,705	\$4,164	\$4,270	\$5,068	\$3,581	\$3,440	\$4,264	\$4,248
MONTHLY BCWP	\$2,396	\$3,475										
MONTHLY ACWP	\$953	\$4,167										
FYTD BCWS	\$3,234	\$7,372	\$10,886	\$15,049	\$18,755	\$22,919	\$27,189	\$32,257	\$35,838	\$39,278	\$43,543	\$47,790
FYTD BCWP	\$2,396	\$5,871										
FYTD ACWP	\$953	\$5,120										

## COST VARIANCE ANALYSIS: (+\$0.8M)

### WBS/PBS

### Title

#### 1.4.4/TP04

#### 300 Area SNM

**Description and Cause:** The favorable cost variance was a result of labor underruns due to other unplanned priority work.

**Impact:** No Impact.

**Corrective Action:** None.

#### 1.4.8/TP10

#### Accelerated Deactivation

**Description and Cause:** The unfavorable cost variance was primarily a result of labor overruns in the 2714U Waste Drum Characterization activity, due to a more complex than planned drum opening, sampling, and repackaging.

**Impact:** Being evaluated.

**Corrective Action:** Discussions are ongoing between RCP and Waste Management to determine cause for overrun and establish resolution.

#### 1.4.6/TP12

#### Transition Project Management

**Description and Cause:** The favorable cost variance was primarily due to lower than planned labor, contract and fee assessment. In addition, reverse accruals pertaining to Nuclear Material Stabilization (NMS) were erroneously coded to this account, understating the actual costs.

**Impact:** No Impact.

**Corrective Action:** Cost transfers have been submitted to move the reverse accruals to the appropriate Cost Account Charge Numbers within NMS.

#### 1.4.11/TP14

#### Hanford Surplus Facility Program

**Description and Cause:** The favorable cost variance was due to costs for contract support not being incurred as planned.

**Impact:** No Impact.

**Corrective Action:** The full contract costs are expected later in FY 2001.

All other PBS variances are within established thresholds.

## SCHEDULE VARIANCE ANALYSIS: (-\$1.5M)

#### 1.4.10/TP08

#### 324/327 Facility Transition

**Description and Cause:** The unfavorable schedule variance was primarily due to the Steel Waste Disposal Boxes (SWDB) “hot spots” issue (delaying their shipment) and the effect of plant work being put on hold while plant personnel were retrained and procedures strengthened.

**Impact:** TPA milestone M-89-02 will be delayed.

**Corrective Action:** Initial briefings with Ecology and RL have been completed. Revised schedule has been developed that moves completion of TPA milestone scope to March 2001.

#### **1.4.8/TP10 Accelerated Deactivation**

**Description and Cause:** The unfavorable schedule variance was due to delays with Surveillance and Maintenance quarterly activities and Authorization Basis activities.

**Impact:** No Impact.

**Corrective Action:** The variance will self correct when these activities are completed in December.

All other PBS variances are within established thresholds.

## **ISSUES**

### **Technical Issues**

**Issue:** 324 Building — Hot spots on the bottom of Steel Waste Disposal Boxes (SWDBs) loaded with Rectangular Grout Containers are more radioactive than the current Central Waste Complex (CWC) acceptance criteria of one rem per hour.

**Impacts:** Shipment schedule/in-cell work schedule has been delayed.

**Corrective Action:** Pursuing several actions:

— CWC is revising their existing authorization basis to accommodate this and other like shipments.

— 324 Building is evaluating SWDB loading to optimize sequence of individual items to minimize dose rates.

### **DOE/Regulator/External Issues**

**Issue:** On November 7, 2000, FH provided formal notification to RL that Tri-Party Agreement milestone M-89-02, “Complete Removal of 324 Building Radiochemical Engineering Cell (REC) B Cell Mixed Waste (MW) and Equipment,” would be missed.

**Impacts:** The schedule was impacted primarily due to technical/mechanical issues (high-dose SWDBs, 30-ton crane and 3-ton crane repairs, and Safety Analysis Report revision) and needed operational improvements, as well as a reduction in the amount of overtime previously planned in the baseline schedule. Resolution of the higher bottom dose on the SWDBs, although assumed to be resolved, as the schedule requires, also has the potential to significantly impact the schedule.

**Corrective Action:** FH, in concert with RL and Ecology, has prepared a revised schedule that factors in the lost schedule, and other schedule related issues.

**Issue:** Approval by DOE-HQ of the Unirradiated Uranium (UU) billet Safety Analysis Report for Packaging (SARP), Revision K, is requested to support shipment of uranium billets off-site.

**Impacts:** DOE-HQ approved Revision K of the uranium billet SARP with a Certificate of Compliance (COC) that allows shipment of only three billet boxes per trailer instead of the 5 boxes per trailer that was analyzed in the revision. Using this COC will increase the billet transportation cost by approximately \$200,000.

**Corrective Action:** DOE-HQ has been informed of the impact, and a COC allowing five billet

boxes per trailer is expected by January 15, 2001. Per instructions from DOE-HQ, Revision 0 of the original SARP that includes Revision K has been issued, and the COC for the five billet boxes per trailer is on schedule.

**Issue:** An opportunity exists for transfer of Pacific Northwest National Laboratory (PNNL) facilities into PBS TP-14, pending resolution of the current DOE-HQ guidance to EM (pipeline suspension). PNNL has funds for FY 2001/2002 Surveillance and Maintenance (S&M) identified for transfer to FH, but these funds may no longer be available when the suspension ends.

**Impacts:** Efficiencies realized through combining these facilities into PBS TP-14 may be jeopardized.

**Corrective Action:** Agreement on a Memorandum of Agreement (MOA) to begin the transfer process has been reached. PNNL, FH and DOE are readying the MOA for approval. The MOA is targeted for approval by the end of December. DOE-HQ’s concerns have been resolved.

## BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS (\$000)

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY01 COST IMPACT	S	T	DATE To FH CCB	FH CCB APR'VD	RL APR'VD	CURRENT STATUS
				C	C				
FSP-2000-002	11/2/99	Mark-42 Project Completion	\$304		X	04/05/00			Add'l funding req'd
FSP-2000-072	7/27/00	MYWP Submittal (Phase I)	(\$37,767)	X	X	08/25/00	08/31/00	12/27/00	
FSP-2000-084	8/31/00	Transfer 209E facility	\$526		X	09/14/00	09/14/00	10/17/00	
FH-2000-001	9/12/00	Base Ops Reduction for PHMC Projects	(\$2,575)		X				Pending RL Approval
FH-2000-002	9/25/00	FY2001 Fee Reduction to 90%	(\$413)		X				Pending RL Approval
FH-2000-003	9/25/00	FY2001 Addition of High Priority Worksopce	\$14,951		X				Pending RL Approval
FSP-2001-001	10/9/00	Baseline Adjustment to TP08	(\$496)		X				Draft Prepared
FSP-2001-007	10/31/00	Uranium Disposition Project	\$371		X	11/7/00	11/17/00	12/28/00	
FSP-2001-008	11/7/00	FY2001 Savings Opportunities	(\$607)		X	11/15/00	11/17/00	N/A	
FSP-2001-011	11/14/00	Design Change - 324 LWHS	\$0		X				Draft Prepared
FSP-2001-012	11/21/00	Admin. Change to RL-TP08 Milestone Data	\$0		X				Draft Prepared
FSP-2001-015	11/30/00	Add FY2001 Worksopce to RCP Baseline	\$2,646		X				In Development
FSP-2001-023	12/20/00	324 Building SAR Revision	\$0	X	X				Draft Prepared

ADVANCE WORK AUTHORIZATIONS									
AWA	10/2/00	FY01 Uranium Disposition Activities	\$371		X	10/3/00	10/18/00	10/18/00	BCR #FSP-2001-007
AWA	11/2/00	324 SAR	\$56		X	11/3/00	11/3/00	11/3/00	BCR #FSP-2001-023
AWA	12/15/00	300 Area Accelerated Cleanup	\$50	X	X	12/18/00			BCR#FSP-2001-015

## MILESTONE ACHIEVEMENT

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MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2001
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	0	0	0	1	0	0	0	1
DNFSB	0	0	0	0	0	0	0	0
DOE-HQ	0	0	0	0	0	0	0	0
RL	0	0	0	0	0	4	0	4
<b>Total Project</b>	0	0	0	1	0	4	0	5

Only TPA/EA milestones and all FY 2001 overdue and forecast late milestones are addressed in this report. Milestones overdue are deleted from the Milestone Exception Report once they are completed.

The following chart summarizes the FY 2001 TPA/EA milestone achievement and a Milestone Exception Report follows. The last milestone table summarizes the first six months of FY 2002 TPA/EA milestones.

FY 2001 Tri-Party Agreement / EA Milestones		
<b>M-89-02</b>	<b>“Complete Removal of 324 Building Radiochemical Engineering Cells (REC) B Cell Mixed Waste (MW) and Equipment,”</b>	<b>Due 11/30/00</b> — Progress continues to be made in accomplishing the milestone work scope, however due to technical and operational issues the milestone was not met. A revised schedule was developed with the support of RL and Ecology. The scheduled date for the removal of mixed waste from B Cell is now March 30, 2001. The date for removal of low-level waste remains at July 31, 2001, as agreed to with the regulators.
<b>DNFSB Commitments</b>		
	Nothing to report at this time.	

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## MILESTONE EXCEPTION REPORT

<u>Number/WBS</u>	<u>Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast Date</u>
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### OVERDUE – 1

<b>TRP-99-901</b> <b>1.4.10</b>	<b>EA</b>	Complete Removal of 324 Radio-chemical Engineering Cells (REC) B Cell Mixed Waste (MW) & Equip.	11/30/00	03/30/01
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**Cause:** Technical and operational issues have delayed completion of this work scope.

**Impact:** Completion of TPA milestone M-89-02 was not met.

**Corrective Action:** A recovery schedule has been developed with the support of RL and Ecology.

### FY 2000 OVERDUE – 1

<b>TRP-99-933</b> <b>1.4.10</b>	<b>RL</b>	Containerize Dispersible Under 2A Rack	04/30/00	03/30/01
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**Cause:** It has been determined it is more efficient to complete dispersible collection after the waste containers in the cell are removed.

**Impact:** No impact. This milestone will be completed by March 30, 2001.

**Corrective Action:** No corrective action is required.

FY 2002 Tri-Party Agreement / EA Milestones		
<b>MX-92-06-T01</b>	<b>“Complete Disposition for all Site Unirradiated Uranium”</b>	<b>Due 12/31/01 — On Schedule.</b>
DNFSB Commitments		
	Nothing to report at this time.	

## PERFORMANCE OBJECTIVES

Outcome	Performance Indicator	Status
<p><b>Restore the River Corridor for Multiple Uses</b></p>	<p><b>FHI-M8 – 300 Area Cleanup</b>  <b>Measure 1: Accelerate 300 Area Cleanup</b></p>	
	<p><b>Expectation 1:</b> Deactivate 324/327 Buildings  <b>Base:</b> Complete 26.5% remaining 324/327-baseline work.</p>	<p><b>Status:</b> 2.9% of the remaining low-level scope has been completed through 12/00.</p>
	<p><b>Base:</b> Complete B Cell cleanout and shipment of B Cell waste to 200 Area Burial Grounds.</p>	<p><b>Status:</b> 4 of the planned 14 steel waste disposal box (SWDB) shipments of B Cell waste have been made. The crane has been returned to service allowing for shipment of the 5<sup>th</sup> SWDB.</p>
	<p><b>Stretch:</b> Complete additional 2.5% remaining 324/327-baseline work.</p>	<p><b>Status:</b> No additional work scope has been performed to date.</p>
	<p><b>Expectation 2:</b> Disposition surplus facilities  <b>Base:</b> Disposition 3902A, 3802B &amp; 303-K by 9/30/01.</p>	<p><b>Status:</b> Planning has been initiated for demolition of the 3 structures.</p>
	<p><b>Stretch:</b> Disposition 377 Bldg. by 6/30/02.</p>	<p><b>Status:</b> No work scope has been performed to date.</p>
<p><b>Expectation 3:</b> Disposition uranium billets, uranium dioxide, scrap materials in 200/300 Areas, and 303-K thorium-232 by 9/30/01.</p>	<p><b>Status:</b> Preparation continues to initiate shipment of the uranium billets and uranium dioxide to the DOE Portsmouth site in the second quarter of FY 01.</p>	
<p><b>Measure 2: Support RCP Contract Transition</b></p>		
<p><b>Expectation 1:</b>  <b>Stretch:</b> Support RCP contract transition by 7/1/02.</p>	<p><b>Status:</b> A plan for development of a plan will be prepared by 2/15/01.</p>	

<p><b>Transition Central Plateau</b>  to <b>support long- term waste management</b></p>	<p><b>FHI-M3 – 200 Area Facility Disposition</b>  <b>Measure 1: Disposition Surplus Buildings and Rolling Stock</b>  <b>Expectation 1:</b> <b>Base:</b> Decontaminate &amp; Decommission (D&amp;D) 233-S &amp; 233-SA Facilities by 9/30/04 <b>Stretch:</b> D&amp;D 233-S &amp; 233-SA by 6/30/04  <b>Expectation 2:</b> Complete installation of new roofs on PUREX &amp; B Plant by 9/30/02.  <b>Expectation 3:</b> <b>Base:</b> Disposition contaminated railcars by 6/30/06.  <b>Stretch:</b> Disposition contaminated railcars by 8/31/05  <b>Super stretch:</b> Disposition contaminated railcars and heavy equipment by 9/30/03</p>	<p><b>Status:</b> Work will not be initiated until 7/01/02.  <b>Status:</b> Work will not be initiated until 7/01/02  <b>Status:</b> Work will not be initiated until 2/01/02.  <b>Status:</b> Efforts continue to disposition one rail car in FY 01. Detail planning for the total PI work scope has been initiated.  <b>Status:</b> Nothing to report.  <b>Status:</b> Nothing to report.</p>
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## KEY INTEGRATION ACTIVITIES

- **NFDI Support to DOE Complex** — The National Facilities Deactivation Initiative (NFDI) has been awarded a Vice-Presidential Hammer award in recognition of cost saving and innovative approaches to deactivation and decommissioning activities throughout the DOE complex. DOE-HQ has provided RL \$350,000 for NFDI activities during the first half of FY 2001.
- **324 Building/SNF Project Savings** — In FY 2000, the 324 Building B Cell project, along with the Spent Nuclear Fuel Project (SNFP), 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. The Programmatic Agreement that outlines the responsibilities and general items for this fuel transfer was approved by both RCP and SNFP. The 200 Area Interim Storage Area Acceptance Criteria (HNF-4894) has been approved by RCP and SNFP.

- **EM-50 Support** — With support from EM-50, AEA Technology completed two draft reports regarding future RCP deactivation tasks: (1) *Option Study for Inspection, Sampling and Remediation for Tank T-105 in the High-Level Waste (HLW) Vault in Building at Hanford*; and (2) *Options Study for B Cell HVAC Duct Remediation*. Both of these reports summarize the work accomplished by AEA in FY 2000. EM-50 plans to provide \$450,000 of FY 2001 as partial funding to continue work on these two tasks, as well as on a new proposal involving acquisition and deployment of a more robust manipulator arm for 324 hot cell deactivation. Negotiations for additional leveraged funds are ongoing.
- **New Hanford-Rocky Flats-Savannah River Joint Deactivation Proposal** — Through involvement with NFDI, Hanford, Rocky Flats, and Savannah River submitted a joint proposal focused on demonstration and deployment of large equipment size reduction systems. DOE-HQ/EM-50 plans to announce the selection of the winning proposals by the end of December 2000.
- **Participation in West Valley Demonstration Project** — In September 2000, RCP issued a letter of support to RL to participate as a "non-host deployment site" in a proposal led by PNNL and West Valley (NY). The West Valley Demonstration Project is deactivating hot cell facilities with similar decontamination and decommissioning challenges to RCP facilities. The project would fund FH to participate on an Integrated Contractor Team (ICT). The ICT will influence the identification and selection of technologies for demonstration. Based on successful demonstration at West Valley, FH would be considering the best technologies for use at RCP. Nine proposals from throughout the DOE-Complex were submitted in response to EM-50's Large Scale Demonstration and Deployment Program (LSDDP) call for proposals. As noted above, EM-50 plans to select the winning proposals by the end of December.
- **Coordination With the 324 B Cell Cybernetix Procurement Project Team** — PNNL staff have begun interfacing on a regular basis with the 324 Building staff regarding dealings with Cybernetix. Both companies have current contracts with Cybernetix. A PNNL staff member is now attending the B Cell conference calls with Cybernetix, and lessons-learned meetings are being held with PNNL and RCP. Both robotic systems are scheduled for shipment from France to Hanford in the spring of 2001.