



Section E

300 Area Facility Transition

PROJECT MANAGERS

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INTRODUCTION

The 300 Area Facility Transition consists of 324 Facility Safe Shutdown, 327 Facility Safe Shutdown, Miscellaneous Radiological Facilities Deactivation, and Project Management and Support, Project Baseline Summary (PBS) RL-RC06, Work Breakdown Structure (WBS) 3.1.6.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, Milestone Achievement, and Cost/Schedule data contained herein is as of December 31, 2001. All other information is as of January 23, 2002.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that no milestones are due. For the remainder FY 2002, one milestone has been completed ahead of schedule, one milestone is on schedule, one milestone is forecast to be completed behind schedule and one milestone will be deferred with a completion date yet to be determined.

NOTABLE ACCOMPLISHMENTS

324 Facility Safe Shutdown— The steel waste disposal box (SWDB) containing pipe trench waste was loaded and shipped to the Central Waste Complex, and the readiness assessment plan of action for the Spent Nuclear Fuel Project was submitted to RL on January 11, 2002. In addition, work commenced on the 3-ton jib hoist replacement and the 324 Building basement cleanout.

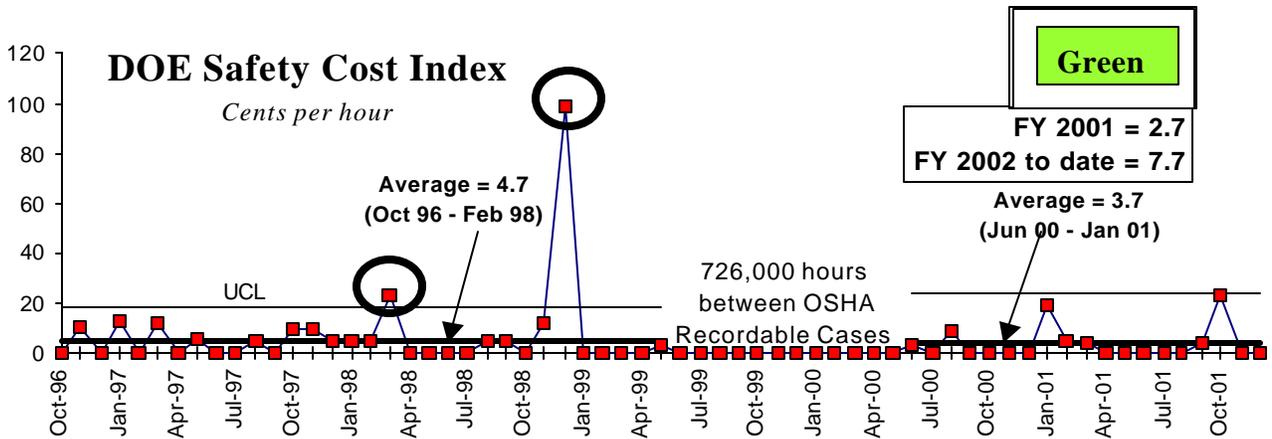
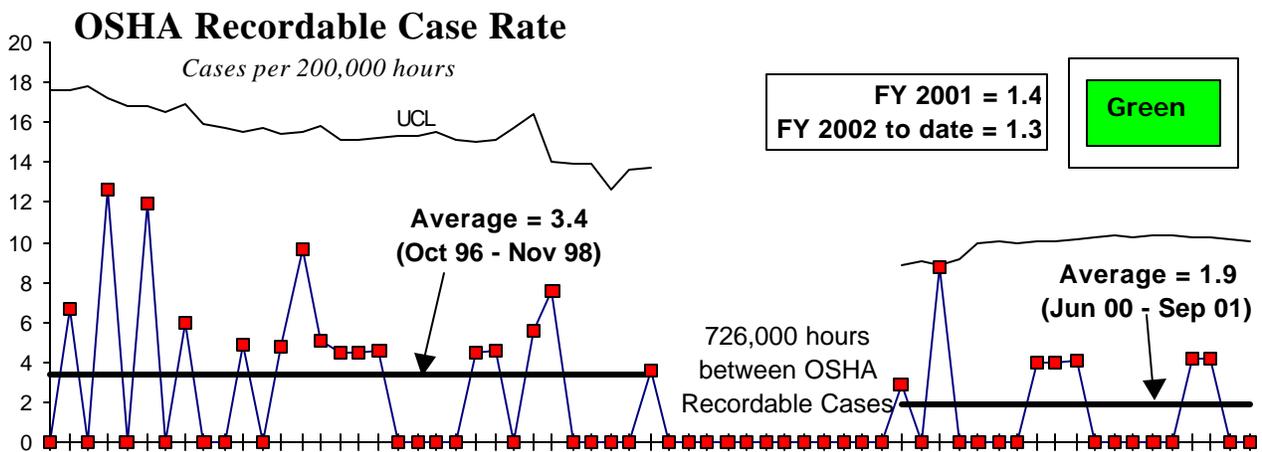
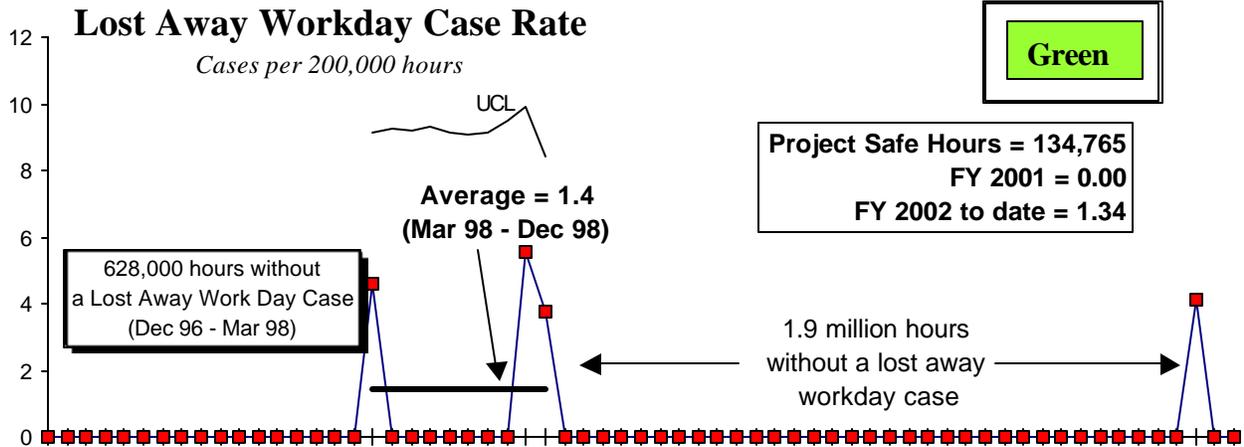
327 Facility Safe Shutdown— The curium removal startup notification, the justification for continued operation (JCO) for curium removal, and the packaging and shipping safety analysis report (SAR) for curium removal were submitted to RL for approval. In addition, the criticality alarm system for the 327 Building was deactivated, and the bulk waste loadout and final wipe-down for I Cell was completed.

Misc. Radiological Facilities Deactivation— The Waste Acid Treatment System (WATS) Closure Certification for partial closure was approved by the Department of Ecology (Ecology). Ecology also approved the Class I Prime Mod requesting an extension for the Closure Certification for 303K. In addition, staff supported Richland Specialty Extrusion's removal of the Sutton 4000 Ton Press.

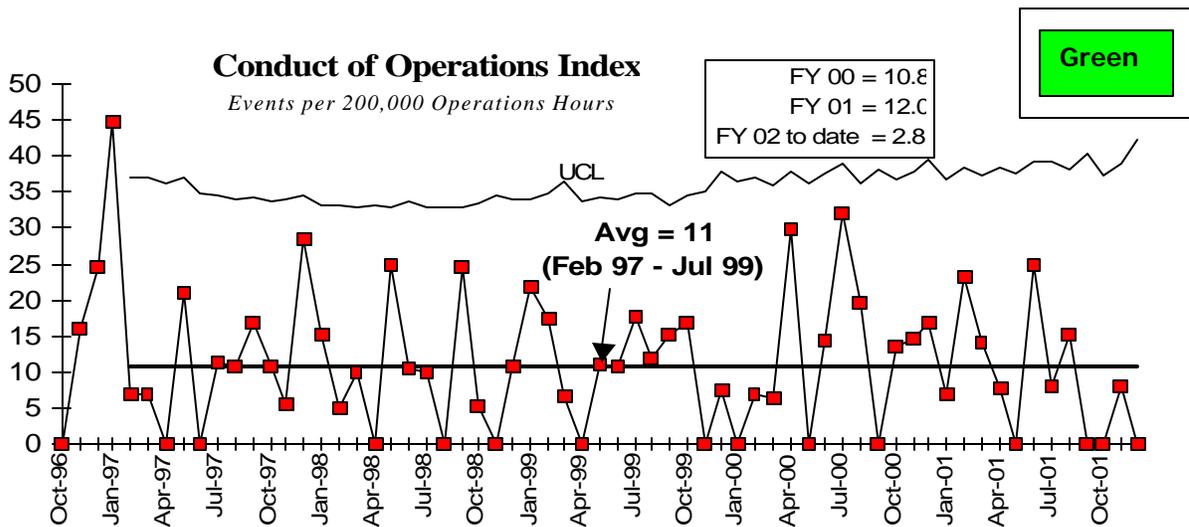
SAFETY

River Corridor Project (RCP) has achieved more than 134,765 safe work hours since the last Lost Away Workday case. The last Lost Away Workday case occurred on October 9, 2001. During the month of December there were no lost, restricted, or recordable cases.

SAFETY (CONTINUED)



CONDUCT OF OPERATIONS



BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs

Monolithic Removal of 327 Hot Cells — To support accelerated 300 Area closure, RC is integrating decommissioning and demolition with deactivation activities where practical. Intact removal of the 327 hot cells appears to be technically feasible, to have potentially significant ALARA benefits, and will reduce project schedule/cost. Certification that the hot cells can be disposed of as non-Transuranic waste is key to adopting monolithic removal as the technical baseline. The 327 Building Deactivation Project has prepared a draft characterization strategy to obtain necessary data to verify the cells as Low Level Waste (LLW). In support of this initiative, RCP was successful in obtaining Accelerated Site Technology Deployment (ASTD) funding (\$935K) to purchase in-situ characterization instruments that will lead to the eventual LLW certification. A technical task plan to provide a schedule and milestones to RL will be complete February 15, 2002.

Opportunities for Improvement

Conduct of Operations Improvement Initiative — RC has initiated a Conduct of Operations Improvement Plan to improve organizational performance, and to create a culture change regarding effective implementation of Conduct of Operations principles. RC has essentially completed the activities identified in the Conduct of Operations Improvement Plan. Each facility and participating organization has spent time reviewing its Conduct of Operations Matrix, identifying areas of improvement and communicating results to the staff. Project directors provide a summary review of progress to the RC Vice President at the two-, four-, and six-month milestones. The two and four month reviews demonstrated that RC facilities are actively participating at all levels, including at the worker level. Different projects have different levels of completion, however all are essentially on track for scheduled completion. The six-month status meeting is planned for February 7, 2002.

SNF Removal - Thorough and complete planning is needed to prepare for the SNF removal from the 324 B Cell. A significant schedule enhancement effort began on Tuesday, October 30, 2001. Two

outside scheduling personnel were obtained to perform a "murder board" of schedule scope and logic in order to develop the necessary schedule detail to efficiently coordinate and manage SNF transfer preparations. The 324 SNF transfer schedule has been fully developed and is in use. Daily "exception report" and weekly "management plan-of-the-week" status meetings are in effect. Further, a critical path schedule is derived from the detailed logic schedule and is being used to manage activities to completion. (This is the last report for this item.)

UPCOMING ACTIVITIES

Spent Nuclear Fuel Transfer (SNF) —

- Commence Integrated System Testing by January 28, 2002.
- Decontaminate first of six NAC-1 Casks and ISO Container by January 30, 2002.
- Install Airlock/A Cell Hoist Structure by February 18, 2002.

300 Area Miscellaneous Contaminated Facilities — Shutdown 333 Building fire protection system by March 2002.

324/327 Buildings — Complete 26.5 percent remaining deactivation scope by June 30, 2002.

Contract Transition — Support transfer of Bechtel Hanford, Inc. (BHI) Central Plateau scope to FH on June 30, 2002, and FH scope to River Corridor Closure Contract (RCCC) on September 30, 2002.

Milestone Achievement FH Contract Milestones

MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
M-92-14	Complete Removal and Transfer, and Initiate Storage of Phase I 300 Area SCW and Materials	EA	09/30/02	03/28/00		Complete
TRP-02-700	Complete > 26.5% Remaining 324/327 Deactivation LC Scope	PI	06/30/02		06/30/02	Activities are on schedule.
TRP-01-202	Demolition of 377 Building	PI	06/30/02		TBD	Activities are on hold pending final FY02 funding allocation.
TRP-02-701	Support RCP Contract Transition Plan	PI	06/30/02		10/01/02	RCCC procurement is being delayed.
M-92-15	Complete Removal and Transfer, and Initiate Storage of Phase II 300 Area SCW and Materials	EA	09/30/04	09/19/01		Complete

PERFORMANCE OBJECTIVES

Outcomes: Restore the River Corridor for Multiple Uses

Performance Indicator	Status
FHI-M8 – 300 Area Cleanup	
Measure 1: Accelerate 300 Area Cleanup	
Expectation 1: Deactivate 324/327 Buildings	
Base: Complete 26.5% remaining 324/327-baseline work by June 30, 2002.	Of the remaining life-cycle work scope, 19.8 percent was completed during the period of October 2000 through December 2001.
Base: Complete B Cell cleanout and shipment of B Cell waste to 200 Area Burial Grounds.	Complete.
Stretch: Complete additional 2.5% remaining 324/327-baseline work.	As of December 31, 2001, the subproject completed an additional .94 percent (\$1.7M) toward the stretch goal.
Expectation 2: Disposition surplus facilities	
Base: Disposition 3902A, 3802B & 303-K by September 30, 2001.	Complete.
Stretch: Disposition 377 Bldg. by June 30, 2002.	On hold pending resolution of FY 2002 funding.
Expectation 3: Disposition uranium billets, uranium dioxide, scrap materials in 200/300 Areas, and 303-K thorium-232 by September 30, 2001.	
Complete.	Complete.
Measure 2: Support RCP Contract Transition	
Expectation 1:	
Stretch: Support RCP contract transition by July 1, 2002.	An integrated team of FH/BHI personnel has been assembled to develop and implement the transition plan.

FY 2002 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES FY TO DATE STATUS – (\$000)

Sub-Project	FISCAL YEAR TO DATE									
	BCWS	BCWP	ACWP	SV	%	CV	%	BAC	EAC	
PBS RC06 WBS 3.1.6.1	324 Facility Safe Shutdown	5,242	4,929	5,604	(313)	-6%	(675)	-14%	25,610	25,610
PBS RC06 WBS 3.1.6.2	327 Facility Safe Shutdown	1,245	1,109	1,252	(136)	-11%	(143)	-13%	6,767	6,767
PBS RC06 WBS 3.1.6.3	Misc. Radiological Facilities Deactivation	854	609	512	(245)	-29%	97	16%	3,202	3,202
PBS RC06 WBS 3.1.6.4	300 Area Facilities Project Management	1,781	1,778	1,511	(3)	0%	267	15%	8,249	8,249
Total River Corridor Project		9,122	8,425	8,879	(697)	-8%	(454)	-5%	43,828	43,828

FY TO DATE SCHEDULE / COST PERFORMANCE

The unfavorable schedule variance of \$0.7M (8 percent) is within established thresholds. The unfavorable cost variance of \$0.5M (5 percent) is within the established thresholds.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

Schedule Variance Analysis: (-\$0.7M)

327 Facility Safe Shutdown — 3.1.6.2/RC06

Description and Cause: The unfavorable schedule variance was due to delays with the deactivation hazard assessment and the Liquid Waste Handling System (LWHS) work scope pending review of technical baseline.

Impact: No impact.

Corrective Action: Upon completion of technical baseline review, work scope will be realigned via the baseline change request process.

Misc. Radiological Facilities Deactivation — 3.1.6.3/RC06

Description and Cause: The unfavorable schedule variance was due to delays with the 377 Building demolition work scope pending final FY02 funding guidance and work scope decisions.

Impact: No impact.

Corrective Action: Deferment of work scope will be documented via the baseline change request process.

All other schedule variances are within established thresholds.

Cost Variance Analysis: (-\$0.5M)

324 Facility Safe Shutdown — 3.1.6.1/RC06

Description and Cause: The unfavorable cost variance was primarily due to unplanned overtime costs related to the 30 Ton crane repair, higher than planned costs related to the Pipe Trench and Spent Fuel activities.

Impact: No impact.

Corrective Action: No corrective action required.

327 Facility Safe Shutdown — 3.1.6.2/RC06

Description and Cause: The unfavorable cost variance was due to unplanned costs related to the BIO implementation and Curium removal work scope.

Impact: No impact; the cost increase will be offset by efficiencies in other project scope.

Corrective Action: Underruns resulting from min-safe efficiencies will be utilized to offset the unplanned costs.

Misc. Radiological Facilities Deactivation — 3.1.6.3/RC06

Description and Cause: The favorable cost variance was due to time phasing of contracts.

Impact: No impact.

Corrective Action: No corrective action required.

300 Area Facilities Project Mgt & Support — 3.1.6.4/RC06

Description and Cause: The favorable cost variance was primarily due to time phasing of contract and lower than planned fee assessment accruals.

Impact: No impact.

Corrective Action: No corrective action required.

ISSUES

Technical, Regulatory, External, and DOE Issues and DOE Requests

None to report.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

BCR No. Level 4 WBS	Date Originated	Description	Impact		Date Approved	Status
			Days	Dollars (\$000s)		
RC06-02-001 3.1.6.3	5/24/01	Transfer of PNNL Facilities to Fluor Hanford		\$0	1/15/02	Complete
RC06-02-002 3.1.6.1	10/29/01	SC/SS HEPA Filter Testing, CAT II Facilities		\$9		Submitted for consolidated FH review on 1/11/02.
RC06-02-003 3.1.6.1	11/14/01	324 Safe Shutdown Subproject: Revised Disposition Path - MK-42 Fines		\$0		Cancelled
RC06-02-004 3.1.6.1	11/14/01	324 Safe Shutdown Subproject: Revision to SNF (Fragments/Pieces) Shipping Containment		\$0		Cancelled