



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, all information contained herein is as of the end of February 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 was completed ahead of schedule, one milestone is on schedule, one milestone is forecast late and one milestone will be deferred with a completion date yet to be determined.

NOTABLE ACCOMPLISHMENTS

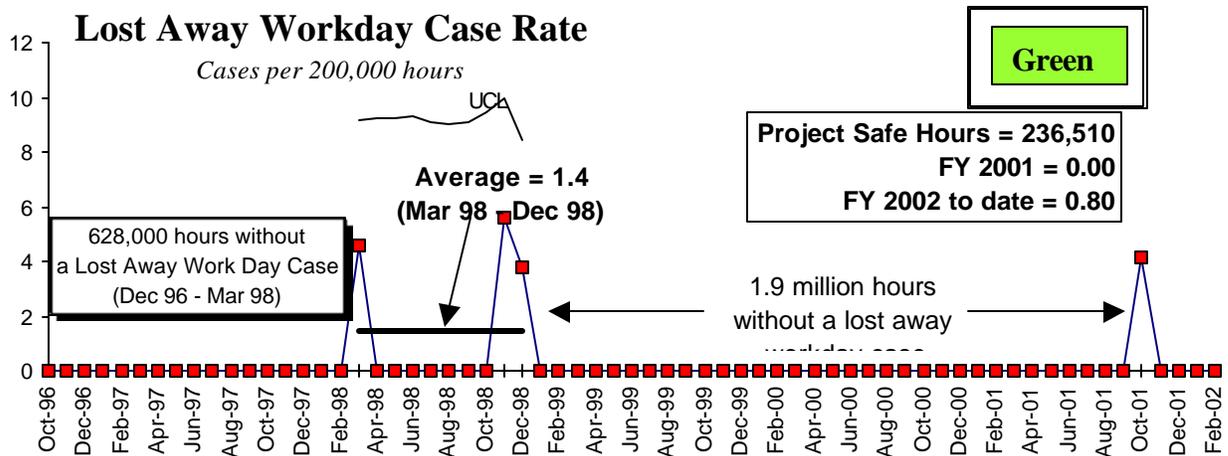
324 Facility Safe Shutdown — The NAC-1 Safety Authorization Report for Packaging (SARP) incorporating RL's comments and supporting Spent Nuclear Fuel Transfer was received on February 27, 2002. In addition, the 3-ton Jib Hoist replacement was installed; 70 percent of the 324 Building basement waste was sent to excess or loaded into waste disposal boxes; and the request for proposal for bids on the liquid waste handling system was issued.

327 Facility Safe Shutdown — Cell cleanout continued ahead of schedule; the Technical Task Plan for the Accelerated Site Technology Deployment was prepared and submitted; and twelve lead-lined drums were received and accepted. These drums were fabricated from the lead that was recycled from the excess Hanford railcar.

Misc. Radiological Facilities Deactivation — The baseline change request to remove 377 demolition from the FY 2002 baseline was submitted, and the request to RL to downgrade 303A/G Storage Area from category three to industrial was transmitted.

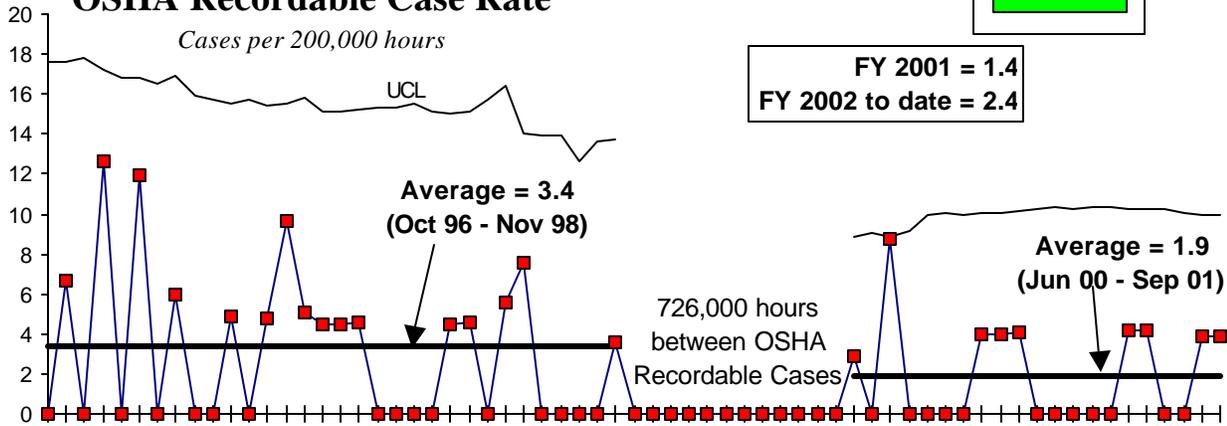
SAFETY

River Corridor (RC) has achieved more than 236,510 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 February there were no lost or restricted cases and one recordable case.

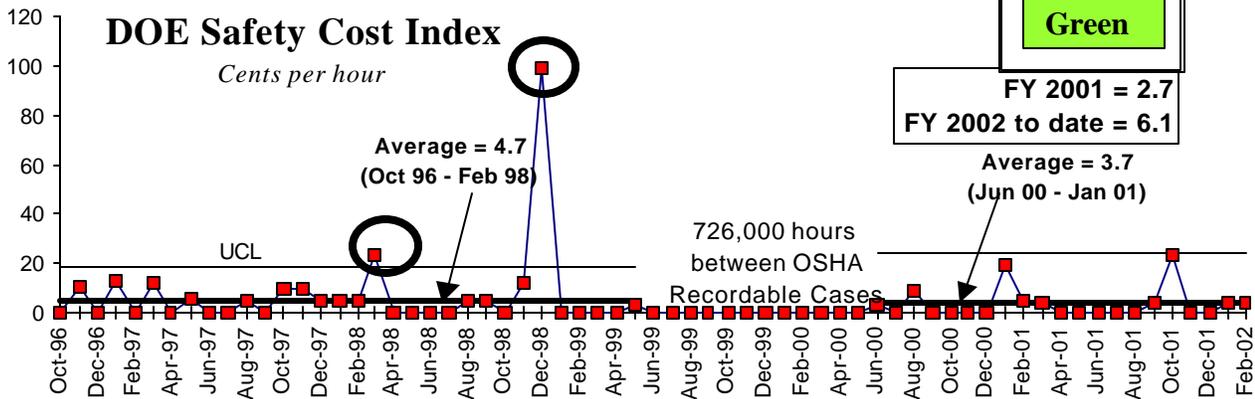


Safety (Continued)

OSHA Recordable Case Rate

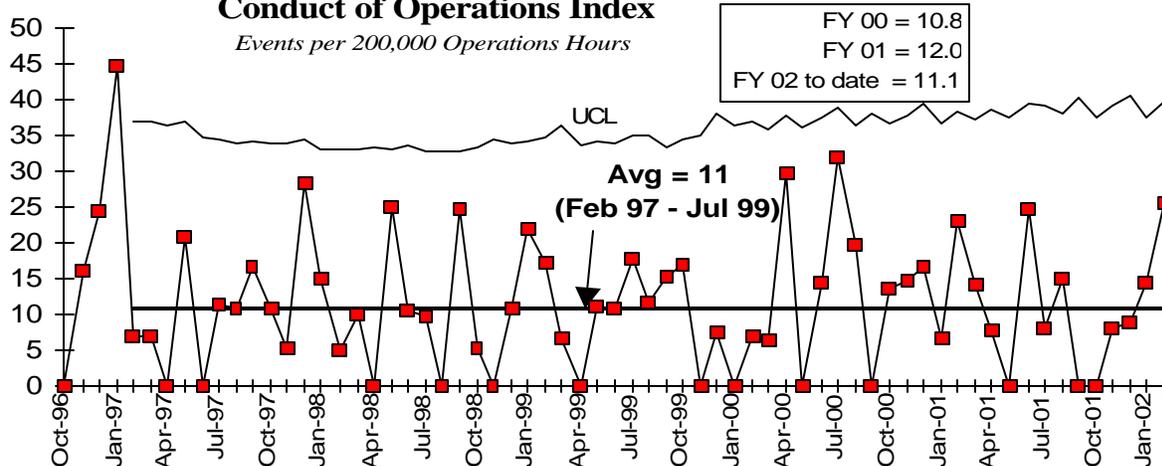


DOE Safety Cost Index



CONDUCT OF OPERATIONS

Conduct of Operations Index



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 results in schedule/cost reduction. Certification that the hot cells can be disposed of as non-Transuranic waste is key to adopting monolithic removal as the technical baseline. In support of this initiative, RC was successful in obtaining Accelerated Site Technology Deployment (ASTD) funding (\$935K) to purchase in-situ characterization instruments that will lead to the eventual Low Level Waste certification. Authorization to proceed with the ASTD funded procurement and activity is expected from RL during March 2002.

Opportunities for Improvement

Conduct of Operations Improvement Initiative — RC has essentially completed the activities identified in the Conduct of Operations Improvement Plan. Project directors provided a summary review of progress to the RC Vice President at the two-, four-, and six-month milestones. The six-month status meeting was held on February 7, 2002. The facilities are completing program documentation to build a Conduct of Operations Sustain and Maintain Plan to be completed throughout the remainder of the year.

UPCOMING ACTIVITIES

Spent Nuclear Fuel (SNF) Transfer — Decontaminate initial NAC-1 Cask and ISO container by March 12, 2002. (This activity was slipped a week due to subcontractor delays).

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 FH scope to River Corridor Closure Contract (RCCC) on September 30, 2002, or 90 days preceding contract award.

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	9/30/02	3/28/00		Complete
TRP-02-700	Complete > 26.5% Remaining 324/327 Deactivation LC Scope	PI	6/30/02		6/30/02	Activities are on schedule.
TRP-01-202	Demolition of 377 Building	PI	6/30/02		TBD	Deferred to FY05 as a result of funding reductions; BCR in process to document change.
TRP-02-701	Support RCP Contract Transition Plan	PI	6/30/02		TBD	RCCC procurement is being delayed. Draft Plan is in development to support delivery to RL by 4/26/02.
M-92-15	Complete Removal and Transfer, and Initiate Storage of Phase II 300 Area SCW and Materials	EA	9/30/04	9/19/01		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, 22.2 percent was completed during the period of October 2000 through February 2002.
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 February 28, 2002, the subproject completed an additional .38 percent (\$.711M) 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.	Work will not be performed in FY 2002 due to funding reductions. A BCR will defer the scope to FY 2005.

Expectation 3: Disposition uranium billets, uranium dioxide, scrap materials in 200/300 Areas, and 303-K thorium-232 by September 30, 2001.

Complete.

Measure 2: Support RC contract transition

Expectation 1:

Stretch: Support RC contract transition by July 1, 2002.

Draft plan is in development to support delivery to RL by April 26, 2002.

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

Sub-Project		BCWS	BCWP	ACWP	SV	%	CV	%	BAC
PBS RC06 WBS 3.1.6.1	324 Facility Safe Shutdown	9,833	8,251	9,515	(1,582)	-16%	(1,265)	-15%	25,610
PBS RC06 WBS 3.1.6.2	327 Facility Safe Shutdown	2,147	2,136	2,191	(11)	-1%	(55)	-3%	6,767
PBS RC06 WBS 3.1.6.3	Misc. Radiological Facilities Deactivation	1,517	1,008	907	(509)	-34%	101	10%	3,202
PBS RC06 WBS 3.1.6.4	300 Area Facilities Project Management	3,041	3,029	2,565	(11)	0%	464	15%	8,249
Total 300 Area FT		16,537	14,424	15,178	(2,113)	-13%	(754)	-5%	43,828

FY TO DATE SCHEDULE / COST PERFORMANCE

The unfavorable schedule variance of \$2.1M (13 percent) is primarily due to workscope delays pending final Resource Management Board funding decisions. The unfavorable cost variance of \$0.8M (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: (-\$2.1M)

324 Facility Safe Shutdown — 3.1.6.1/RC06

Description and Cause: The unfavorable schedule variance was primarily due to delays with work scope that will not be performed in FY 2002 as a result of final work scope decisions by the Resource Management Board (RMB). This work scope includes procedure preparation for A-Cell Cleanout, equipment procurement related with B-Cell Final Cleaning and Piping Closure, engineering studies resulting from the 2012 Alignment planning and equipment removal/disposition from the Shielded Materials Facility (SMF). Contributing to the unfavorable condition are delays with the completion of the

SNF transport system fabrication, D Cell camera and tugger procurements. The 324 PNNL Legacy Waste work scope is also delayed due to lack of resources to support planning.

Impact: Tool fabrication is on the critical path and could delay start of SNF shipments.

Corrective Action: The work scope identified by the RMB as a result of funding reductions will be deferred to the out years via the baseline change request process; 324 SNF management will continue to work toward schedule acceleration; work is progressing with the PNNL Legacy Waste since resources have recently been allocated to perform this scope.

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, pending final work scope decisions by the RMB.

Impact: No impact.

Corrective Action: This work scope selected for deferral due to funding reduction will be deferred to FY05 via a baseline change request, which is now in process.

All other sub-projects are within established thresholds.

Cost Variance Analysis: (-\$0.8M)

324 Facility Safe Shutdown — 3.1.6.1/RC06

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

Impact: Potential impact to overrun costs is being evaluated.

Corrective Action: Detailed analysis of labor, including overtime, and contract costs is taking place to determine cost reducing corrective actions.

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 contracts and labor underruns as a result of staff vacancies not yet filled.

Impact: No impact.

Corrective Action: Any underruns in funding will be utilized to support other priority work scope.

All other sub-projects are within established thresholds.

Funds Management FY 2002 FUNDS VS SPENDING FORECAST (\$000)

	FH Funds Reallocation	FYSF	Variance
River Corridor			
RC02, RC05, RC06, CP01			
Project Completion - Operating	\$ 38,865	\$ 38,676	\$ 189
Post 2006 - Operating	\$ 22,939	\$ 22,673	\$ 266
- Line Item	\$ -	\$ -	\$ -
Total	\$ 61,804	\$ 61,349	\$ 455

[Status through February 2002]

Note: FH Reallocation reflects an FYSF adjusted for scope deletions, deferrals, and identified savings to address funding shortfalls, additional unplanned scope, and cost increases.

ISSUES

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

Issue: Meet accelerated 324 schedule for five Pressurized Water Reactor (PWR) fuel assembly shipments by September 30, 2002 vs. December 2002.

Impact: Must recover lost time in order to accomplish accelerated schedule.

Action Plan: Currently 13 days behind schedule due to design/build contractor delays. Actions are under way to attempt schedule recovery.

Issue: Spent Nuclear Fuel Plan of Action.

Impact: An approved POA must be in place in order to proceed with activities.

Action Plan: Expect Revised Plan of Action to be approved by RL on March 4, 2002. This is the last report for this item.

Issue: Correct 327 Facility Radiation Control program deficiencies.

Impact: The Radiation Control Program at the 327 Building must be improved to ensure safety.

Action Plan: Assess program deficiencies and develop corrective action plan to include independent verification of corrective actions by FH Central Radiation Control. Assessment and verification are complete and preparations are under way to resume work by March 19, 2002. This is the last report for this item.

Issue: Curium Removal at 327 Building.

Impact: Significantly increases radioactive material inventory and requires modification of the Basis for Interim Operations.

Action Plan: The Safety Evaluation Report for the Justification for Continued Operation should be received by March 15, 2002. Curium removal should be complete by April 15, 2002.

Issue: 324 Shielded Material Facility Artisan Arm procurement.

Impact: The Artisan Arm is required to complete activities in the SMF.

Action Plan: To better accommodate Arm modifications and project needs, the Factory Acceptance Test (FAT) has been rescheduled for the week of April 12, 2002 in Pittsburgh. Subsequent delivery to 324 is now targeted for the week of April 26, 2002.

Issue: 303K Foundation removal.

Impact: The Notice of Construction (NOC) is required to complete slab removal.

Action Plan: NOC approved by WDOH/EPA. Water isolated February 5, 2002. Planning is underway for FH to self-perform slab removal during March/April timeframe.

Issue: Obtain RL, EPA, and Ecology agreement to modify 324 Closure Plan to CERCLA in support of realignment of the 324 baseline to the 2012 Plan. Obtain Ecology and RL relief on immediate activities that are contrary to the 2012 Plan.

Impact: Without relief there will be no alignment with the 2012 Plan.

Action Plan: Negotiations for new RC TPA milestones began on November 8, 2001 and were completed the week of December 17, 2001. The draft milestones were issued for public review the week of January 22, 2002. The current draft milestones include a new milestone for the submittal of an amendment to the 324 closure plan by July 2002. A kick-off meeting was held on January 10, 2002, and a schedule has been developed to prepare the closure plan amendment to RL June 26, 2002. The schedule is statused weekly in the RC path forward review.

Issue: Realign 327 baseline to 2012 Plan and obtain interim RL relief on immediate activities that are contrary to the 2012 Plan.

Impact: The present 327 baseline doesn't align with the 2012 plan and activities do not support the plan.

Action/Status: One of the resources allocated to complete this study has been re-directed. Additional staffing will be pursued to compensate for the re-direct, but the final resolution will slip. Expected completion is tentatively identified as April 30, 2002.

Issue: 310 Diversion tank DV-T leak repair.

Impact: The tank accounts for approximately 40 percent of the 310 TEDF reserve holdup capacity.

Action Plan: Waiting for warmer weather for proper coating adhesion (also exploring options for heating). Will close tank in interim to provide emergency storage capacity.

Issue: 340 HEPA filter waste characterization/disposal.

Impact: Delay in disposal of old HEPAs may require re-non-destructive assay or designation as transuranic waste.

Action Plan: Proceeding with packaging/disposal as TRU waste.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

BCR No. Level 4 WBS	Date Originated	Description	Impact		Date Approved	Status
			Days	Dollars (\$000s)		
RC06-02-002 3.1.6.1	10/29/01	SC/SS HEPA Filter Testing, CAT II Facilities		\$9	2/28/02	Complete