



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 March 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 — For the Spent Nuclear Fuel Project, forty-three days of schedule slippage were contained through engineering and procurement expediting actions. A recovery schedule was issued/implemented to regain the accelerated schedule so that the fifth spent nuclear fuel shipment could be completed by September 30. The slippage was due to delayed vendor equipment delivery. Building cleanout and waste shipment included the following activities: Mark-42 fines (stored for Oakridge National Laboratory, but no longer needed) were packaged and shipped to the Central Waste Complex reducing the curie inventory by 350; the 17-ton lead assay box was removed from the 324 Building basement and sent to a local vendor for recycling; and a legacy waste drum of manipulator parts was shipped to the burial grounds

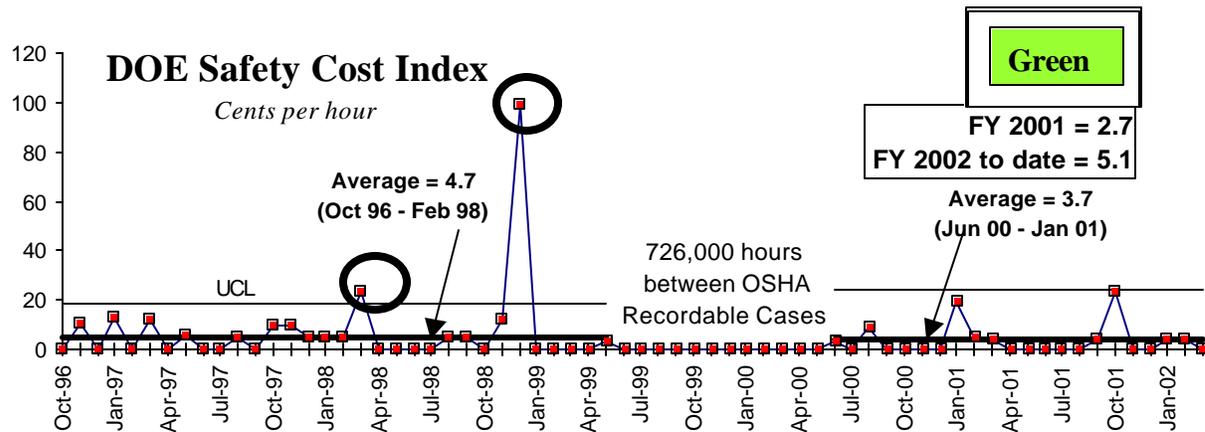
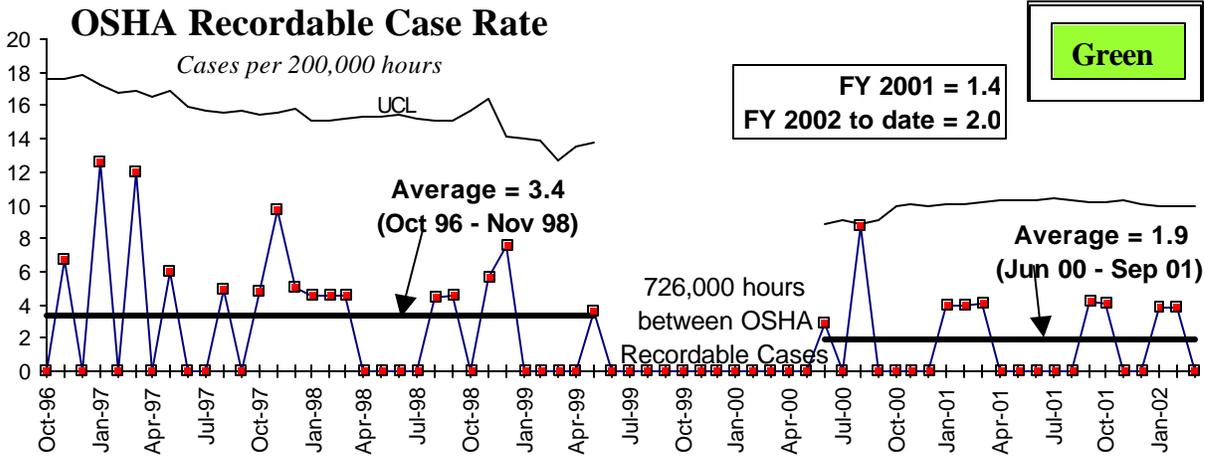
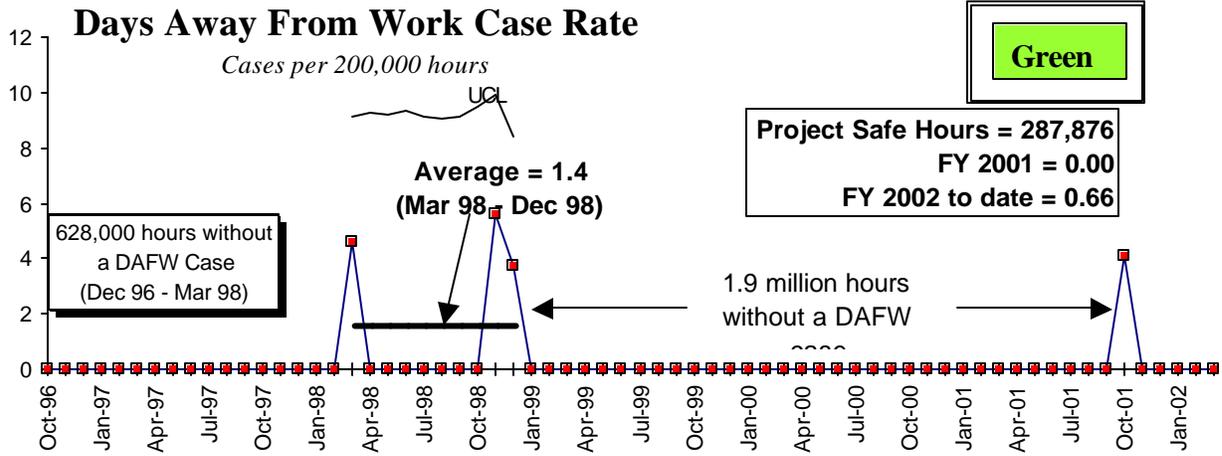
327 Facility Safe Shutdown — The complete removal of 466 highly radioactive PNNL Legacy Waste Buckets was moved closer to completion this month with shipment of two lead lined drums containing four of these buckets to the Central Waste Complex. In addition, seven more buckets were compacted and placed in drum liners in preparation for loading into lead lined drums. This leaves only five buckets located in A Cell to be processed. Additionally, the removal of all but essential electrical service to C cell, a task critical to dismantlement or removal, was completed this month.

Misc. Radiological Facilities Deactivation — Eleven of approximately fourteen shipments of rubble from the demolition of the 303K slab are complete.

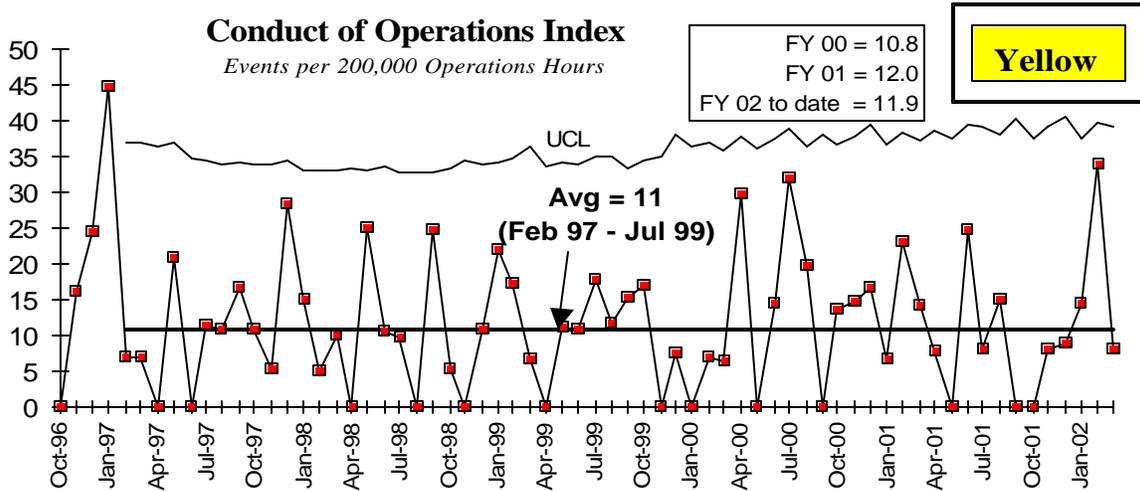
SAFETY

River Corridor (RC) has achieved more than 287,876 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 March 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 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. Procurement documents have been prepared for four instrument systems that will be used to locate, identify, and quantify residual contamination in the hot cells. Suppliers have been authorized to begin constructing two of the systems.

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. (This is the last report for this item.)

UPCOMING ACTIVITIES

Spent Nuclear Fuel (SNF) Transfer — Decontaminate initial NAC-1 Cask and ISO container by April 29, 2002 (This activity continued to slip due to subcontractor delays; a recovery plan is in place).

300 Area Miscellaneous Contaminated Facilities — Shutdown 333 Building fire protection system by September 2002 (This activity delayed due to higher priority work).

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-04-904	Sel Tech. for Highly Contam. Tank Rmvl (Technology Insertion Point)	RL	2/28/02		3/4/04	Delayed pending completion of 2012 Alignment Assessment which may result in deletion of the need for this work. Impact - not immediate - work supported by this TIP is planned for FY04. A letter to RL requesting deferral of TIP decision point is in review. Ultimate resolution dependent on rebaseline of deactivation path.
TRP-02-700	Complete > 26.5% Remaining 324/327 Deactivation LC Scope	PI	6/30/02		6/30/02	Activities are on schedule. A proposed change to PI FH-M8 submitted with Funding Reduction BCR - FH-2002-008. BCR was approved and FH is awaiting negotiation of PI.
TRP-01-202	Demolition of 377 Building	PI	6/30/02		3/28/05	Deferred to FY05. BCR FH-2002-008 approved and revised milestone incorporated in fiscal April. Revised PI awaiting negotiation.
TRP-02-701	Support RCP Contract Transition Plan	PI	6/30/02		TBD	RCC Draft Transition Plan delivered to RL on 3/8/02. Final plan due 4/25/02. PI Revision required to reflect revised award date. Baseline change request and revised PI will accompany final plan.

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, 23.5 percent was completed during the period of October 2000 through March 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 March 31, 2002, the subproject completed an additional .21 percent (\$.348M) 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.	
Measure 2: Support RC contract transition	
Expectation 1:	
Stretch: Support RC contract transition by July 1, 2002.	Draft plan delivered to RL on March 8, 2002. PI requires revision to reflect new award / transition date.

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	12,370	10,153	11,694	(2,218)	-18%	(1,541)	-15%	25,634
PBS RC06 WBS 3.1.6.2 327 Facility Safe Shutdown	2,743	2,627	2,558	(116)	-4%	69	3%	6,784
PBS RC06 WBS 3.1.6.3 Misc. Radiological Facilities Deactivation	1,888	1,201	1,100	(687)	-36%	101	8%	3,202
PBS RC06 WBS 3.1.6.4 300 Area Facilities Project Management	3,655	3,652	3,079	(2)	0%	573	16%	8,249
Total 300 Area FT	20,655	17,633	18,431	(3,023)	-15%	(798)	-5%	43,869

FY TO DATE SCHEDULE / COST PERFORMANCE

The unfavorable schedule variance of \$3.0M (15 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: (-\$3.0M)

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: MCE 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.

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	\$ 38,465	\$ 37,931	\$ 535
Post 2006 - Operating	\$ 26,793	\$ 27,588	\$ (795)
- Line Item	\$ -	\$ -	\$ -
Total	\$ 65,258	\$ 65,518	\$ (260)

[Status through March 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: FH is responding to the delays in design and delivery of critical components by developing a schedule recovery plan to maintain shipment of five PWR fuel assembly shipments by September 30, 2002. This preliminary schedule and single Readiness Assessment (RA) approach has been presented to RL for consideration, and FH is now preparing a revised RA plan of action.

Issue: Curium Removal at 327 Building.

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

Action Plan: Due to the need to change out a failed manipulator and to support already planned cell cleanup work, the curium shipment date is delayed to May 1, 2002.

Issue: 324 Shielded Material Facility (SMF) Artisan Arm procurement.

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

Action Plan: To accommodate Arm modifications and project needs, the Factory Acceptance Test (FAT) has been rescheduled for May 7-9, 2002 in Pittsburgh. Subsequent delivery to 324 is now targeted for the week of May 24, 2002.

Issue: 303K Foundation removal.

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

Action Plan: NOC approved by State of Washington Department of Health/Environmental Protection Agency. Slab removal will be initiated April 5, 2002, and expected to be complete by April 30, 2002. Waste shipments are weather dependent (wind).

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: Work continues on schedule to deliver the 324 Closure Plan amendment to RL on June 26, 2002. Early RL feedback identified several areas for further alignment.

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: Apply established 324 strategy to 327 approach to more efficiently align 327's FY 02 cleanup work with the 2012 plan. Efforts to complete the study have been delayed due to higher priority tasking. Refocus of efforts to finish the task have been made.

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: Delayed for warmer weather (constant 40–50 degrees) for proper coating adhesion. Tank has been reopened in preparation for repair; awaiting painter resources.

Issue: 340 HEPA filter waste characterization/disposal.

Impact: Delay in disposal of old High Efficiency Particulate Air (HEPA) filters may require re-non-destructive assay or designation as transuranic waste.

Action Plan: Ready to ship as TRU waste as soon as RL approval of SARP is received (approval anticipated April 22, 2002).

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

BCR No. Level 4 WBS	Date Originated	Description	Impact		Date Approved	Status
			Days	Dollars (\$000s)		
RC06-02-004 3.1.6.1	2/25/02	Revenue Account (DP Funds) for Mark 42		(\$191)	4/8/02	Approved. Incorporate in fiscal April.