

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 May 2002.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that one milestone is overdue. For the remainder FY 2002, two milestones were completed ahead of schedule, two milestones are on schedule, and one milestone will be deferred with a completion date yet to be determined.

NOTABLE ACCOMPLISHMENTS

324 Facility Safe Shutdown— Schedule recovery: The Project continued to effectively resolve emerging technical and vendor delivery problems to essentially maintain 324 Spent Nuclear Fuel Project on the accelerated schedule.

As of May 26, 2002, TRP-02-700, "Complete >27% Remaining 324/327 Deactivation Life Cycle Scope," was completed. In addition, the 324 Building Airlock/A Cell Bridge Hoist Structure (AAHS) installation was completed, and the 324 Building contract for the Liquid Waste Handling System design/fabrication was awarded.

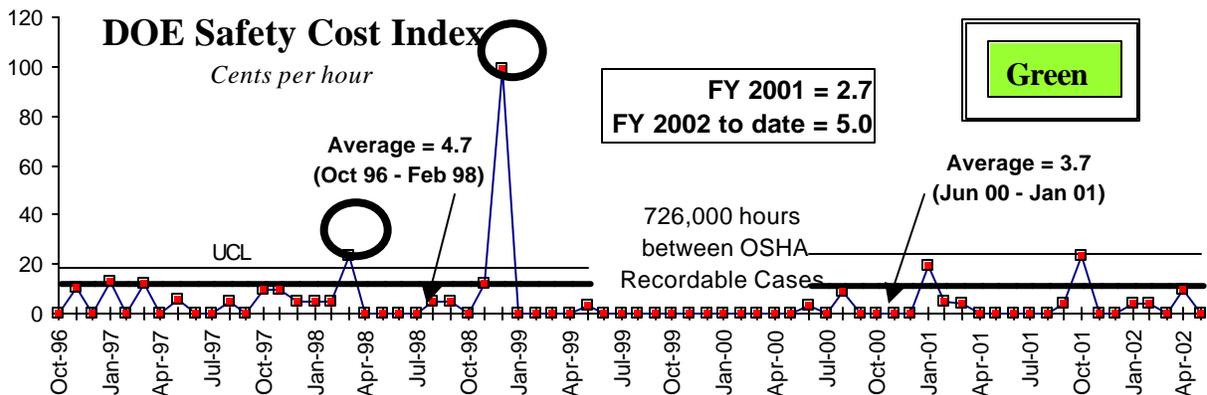
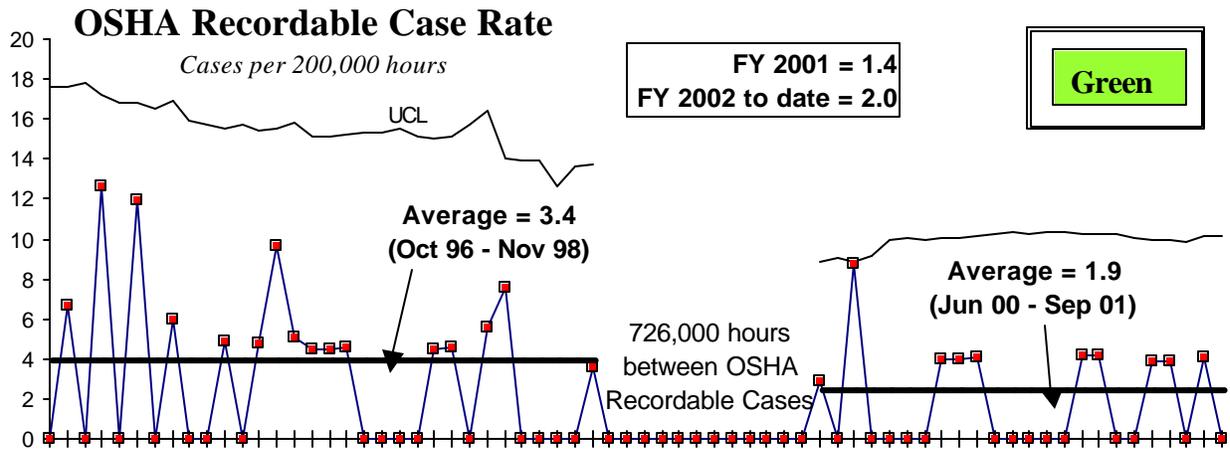
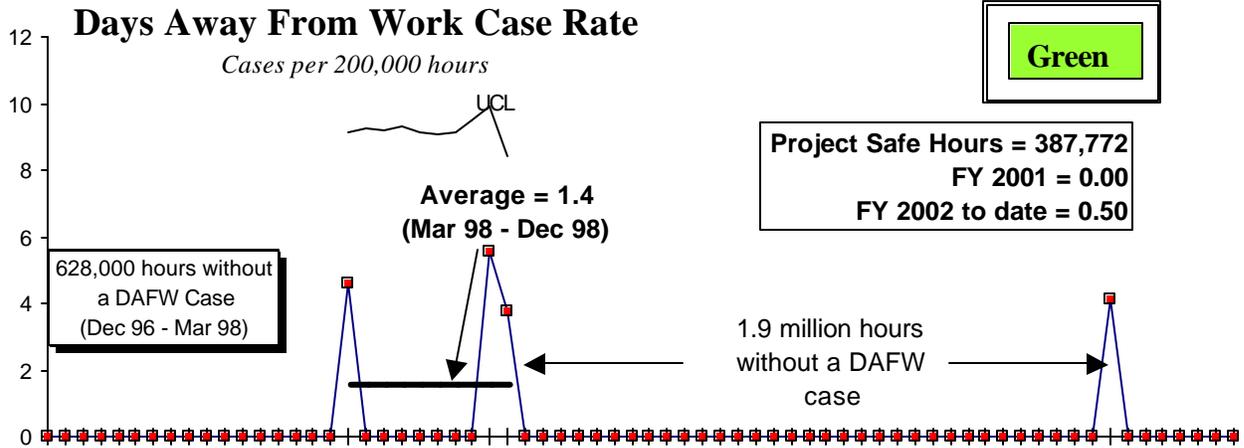
327 Facility Safe Shutdown— The inventory for the 327 Facility was significantly reduced with the removal of all 16 waste buckets from B and C Cells. In addition, the removal of the electrical from E Cell, a task critical to dismantlement, was completed and the basement cleanout progressed with the removal of three more boxes of low-level waste (total of 8 boxes removed out of an estimated 13 boxes).

Misc. Radiological Facilities Deactivation— The Project received Professional Engineer Certification for 303K RCRA Closure. Additionally, 33 air conditioners were removed from the 3764 Building.

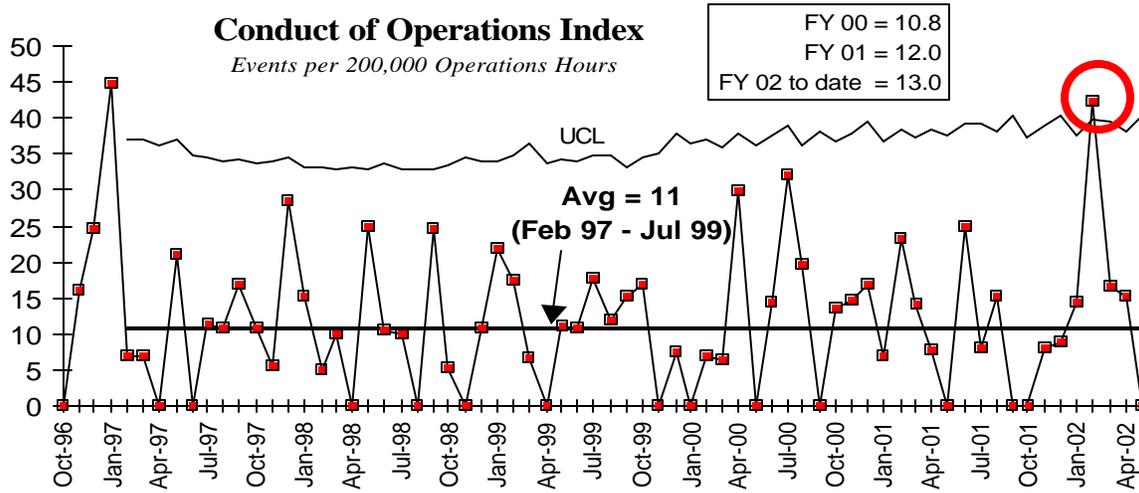
SAFETY

River Corridor has achieved 387,772 safe work hours since the last Day Away from Work case. The last Day Away from Work case occurred on October 9, 2001. During the month of May there were two first-aid cases.

Safety (Continued)



CONDUCT OF OPERATIONS



BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs

Monolithic Removal of 327 Hot Cells — In order 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 to result 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. All four of the instruments are on order with the first (a neutron detection system) to be delivered to the 327 Facility before July 1, 2002.

Opportunities for Improvement

None to report.

UPCOMING ACTIVITIES

Spent Nuclear Fuel (SNF) — Accomplish accelerated schedule of five Pressurized Water Reactor (PWR) spent fuel assembly shipments by September 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
TRP-01-904	Complete TPA Milestone M-89-02	TPA	11/30/00	7/18/01		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 > 27% Remaining 324/327 Deactivation LC Scope	PI	6/30/02		6/30/02	Revised PI signed by FH and is with RL for final signature approvals. Work completed May 26, 2002.
TRP-02-701	Support RCP Contract Transition Plan	PI	6/30/02		TBD	Final Plan delivered on 4/24/02. The RL PAT reviewed and approved on 5/14/02. Additional information provided. Pending RL-CCB and commencement date for transition is TBD.
M-94-02	Submit an Amendment to the Existing 324 Building REC/HLV Closure Plan	TPA	7/30/02		7/30/02	Activities are on schedule.
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-01-947	Identify Tech Supporting 327 Hot Cell Removal as the Deactivation	RL	9/30/02		9/30/02	Activities are on schedule.
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.	Complete as of May 26, 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 May 2002, the subproject has completed an additional \$3.39M lifecycle workscope (1.83% lifecycle workscope) 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.	The 377 Building Demolition PI has been deleted from the current contract.
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.	RL approved the Transition Plan on May 14, 2002.

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
PBS RC06 WBS 3.1.6.1 324 Facility Safe Shutdown	15,506	15,203	15,665	(303)	-2%	(463)	-3%	21,877
PBS RC06 WBS 3.1.6.2 327 Facility Safe Shutdown	4,020	4,614	3,813	594	15%	801	17%	6,799
PBS RC06 WBS 3.1.6.3 Misc. Radiological Facilities Deactivation	1,663	1,674	1,445	11	1%	229	14%	2,519
PBS RC06 WBS 3.1.6.4 300 Area Facilities Project Management	4,771	5,015	4,162	244	5%	852	17%	7,198
Total 300 Area FT	25,959	26,505	25,086	546	2%	1,419	5%	38,394

FY TO DATE SCHEDULE / COST PERFORMANCE

The favorable schedule variance of \$0.5M (2 percent) is within the established thresholds. The favorable cost variance of \$1.4M (5 percent) is due to 327 min-safe efficiencies, less than planned labor and contract costs.

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: (+ \$0.5M)

327 Facility Safe Shutdown — 3.1.6.2/RC06

Description and Cause: The favorable schedule variance was primarily due to outyear work scope being performed ahead of schedule.

Impact: None.

Corrective Action: No corrective action required.

All other sub-projects are within established thresholds.

Cost Variance Analysis: (+ \$1.4M)

327 Facility Safe Shutdown — 3.1.6.2/RC06

Description and Cause: The favorable cost variance was primarily due to efficiencies realized in min-safe activities enabling completion of outyear work scope.

Impact: No impact.

Corrective Action: No corrective action required.

Misc. Radiological Facilities Deactivation — 3.1.6.3/RC06

Description and Cause: The favorable cost variance was due to labor efficiencies.

Impact: No impact.

Corrective Action: None 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	\$ 37,408	\$ 36,894	\$ 514
Post 2006 * - Operating	\$ 27,101	\$ 26,857	\$ 244
- Line Item	\$ -	\$ -	\$ -
Total	\$ 64,509	\$ 63,751	\$ 758

[Status through May 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 Issues

Issue: Ability to accelerate 324 schedule for five PWR spent fuel assembly shipments by September 30, 2002 vs. December 2002 is potentially impacted by sub-contractor delays.

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

Action Plan: Acceptance testing of the first unigrapple is complete. However, during performance of the unigrapple initial preventive maintenance, a loose component was identified requiring repair. Repair is being performed. Due to problem/resolution delays in the acceptance testing procedure of the unigrapple, the project is currently seven days behind schedule to ship five PWR SNF assemblies by September 30, 2002. Currently working swing shift and weekends to recover schedule.

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

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

Action Plan: The Factory Acceptance Test (FAT) was to take place in Pittsburgh May 7-9, 2002, but was delayed due to the manufacturer awaiting receipt of material. Currently, FAT is scheduled for the week of June 24, 2002, with subsequent delivery to the 324 Building rescheduled for the week of July 12, 2002.

Regulatory Issues

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: RL and FH have resolved and incorporated comments to the draft Amendment that was submitted April 25, 2002. Intend to use the Project Manager's Meeting (with Ecology) on

June 20, 2002, as a workshop to brief the Amendment and resolve any new comments. The Project is on schedule to meet the submittal of the Amendment to RL on July 1, 2002. TPA-M-94-02, RL submittal to Ecology is due July 30, 2002.

DOE Issues

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: The study is undergoing final independent review and will be published on June 13, 2002.

External 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)		
RC06-02-007 3.1.6.4	4/22/02	River Corridor Prj (RCP) Transition Activities		\$624		RL received Rev. 1-waiting for approval.