



Section F

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 August 2002.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that two milestones were completed on schedule and one milestone is overdue.

NOTABLE ACCOMPLISHMENTS

324 Facility Safe Shutdown — One of five Spent Nuclear Fuel (SNF) shipments to the Interim Storage Area (ISA) at 200 Area was successfully completed meeting the accelerated plan, the Combustion Engineering (CE) basket design and modification were completed as planned, and the final International Standards Organization (ISO) container National Assurance Corporation (NAC-1) cask was received. Additional work at the 324 Building included issuance of the Boiling Water Reactor (BWR) Safety Analysis Report for Packaging (SARP) to the Department of Energy-Richland Office (RL) for approval.

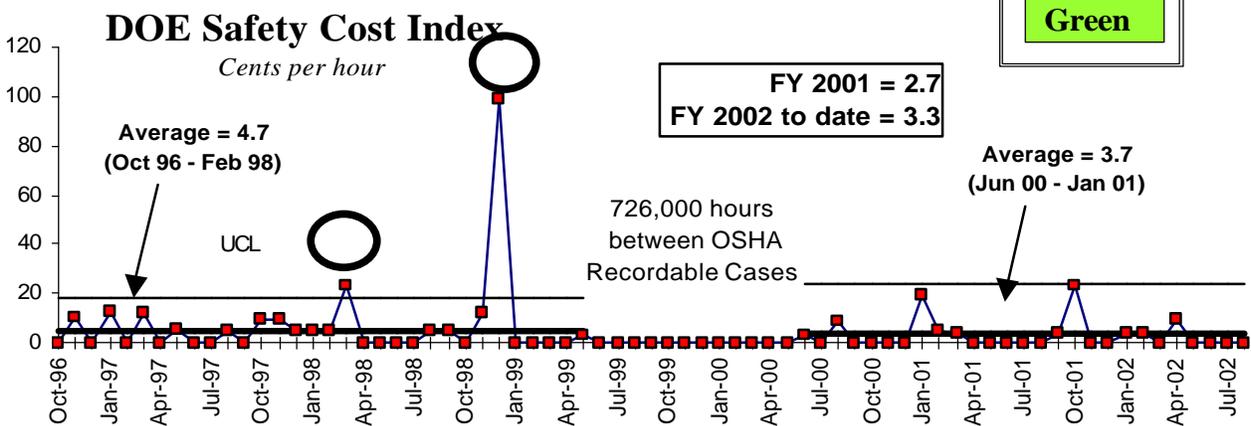
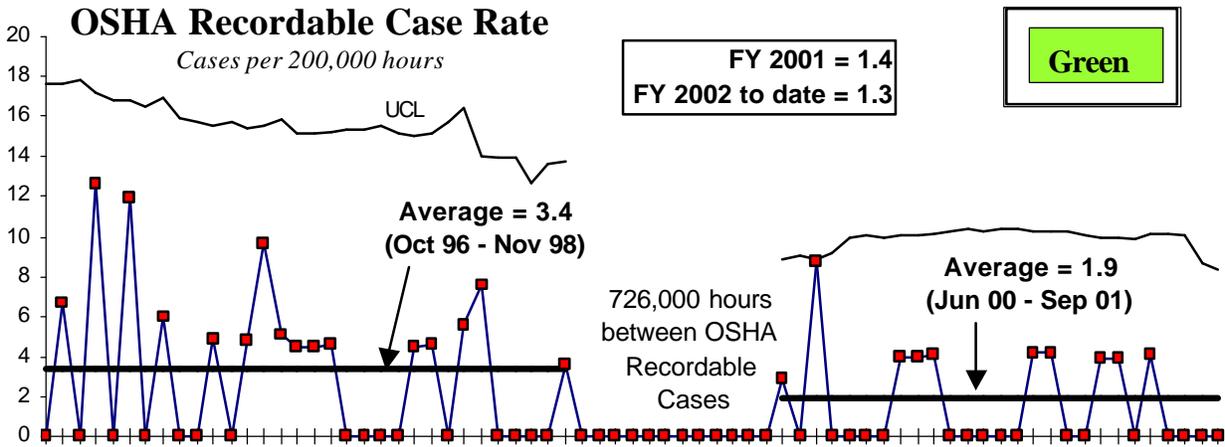
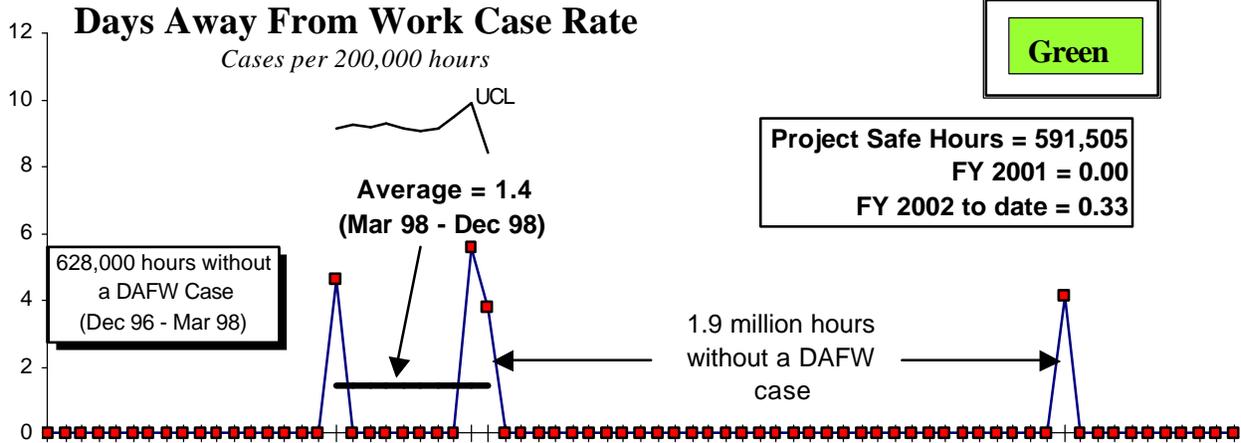
327 Facility Safe Shutdown — Towards Basis of Interim Operations (BIO) implementation, the Independent Readiness Verification Plan (IRVP), necessary procedure revisions, BIO training and Unreviewed Safety Questions (USQs) to support the procedure revisions were all completed as planned. In addition, the facility has changed out 12 of 13 High Efficiency Particulate Air (HEPA) filters, and filled 16 of 17 waste boxes from the basement cleanout area as scheduled. As part of the Accelerated Site Technology Deployment (ASTD) Project, G and H Cells were dose rated to determine the environment that the instruments would be subjected to, and resulting dose rates were very low.

Misc. Radiological Facilities Deactivation — The draft Rule Compliant Documented Safety Analysis was submitted to RL for approval, remediation of fixed contamination areas was completed and 15 drums and 8 boxes of low-level waste were shipped to the 200 Area low-level burial ground as planned. Additionally, the Beryllium duct capping was completed in the 333 Building and preparations to isolate water to 303-G Building were completed as scheduled.

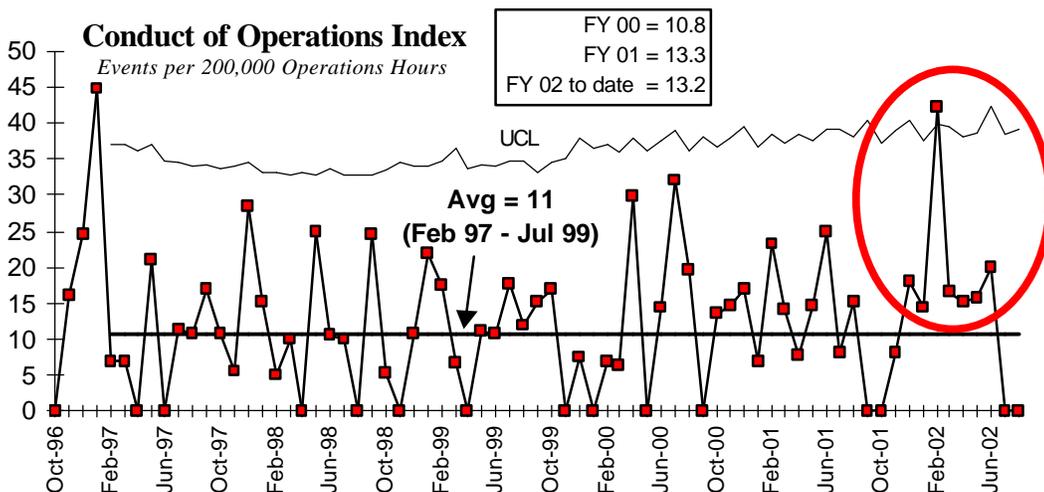
SAFETY

Central Plateau Remediation Project (CP) has achieved 591,505 safe work hours since the last Days Away from Work case. The last Days Away from Work case occurred on October 9, 2001.

Safety (Continued)



CONDUCT OF OPERATIONS



BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs

Monolithic Removal of 327 Hot Cells — In order to support accelerated 300 Area closure, CP 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, CP 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. The gamma camera (Cartogam) and Neutron Detection Instrument Pod are available for deployment in the hot cells. As required by the project Quality Assurance Plan, the systems were receipt-inspected by Acceptance Verification Services. Operator training is scheduled prior to conducting a non-destructive analysis.

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). Received a modification that changed the date from July 1, 2002, to "at direction of the contracting officer."

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 > 27% Remaining 324/327 Deactivation LC Scope	PI	6/30/02	6/30/02		Complete
TRP-02-701	Support RCP Contract Transition Plan	PI	6/30/02		TBD	A Baseline Change Request (BCR) which proposes deletion of this milestone due to the delays in awarding the River Corridor Contract and the approved modification of PI expectation was submitted to RL.
M-94-02	Submit an Amendment to the Existing 324 Building REC/HLV Closure Plan	TPA	7/30/02	7/30/02		Complete
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

Note: Both TRP-04-904 and TRP-01-947 were deleted from the milestone chart since they are technology insertion point (TIP) milestones and not RL milestones.

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 27% remaining 324/327-baseline work by June 30, 2002.	Complete.
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.	Complete.
Expectation 2: Disposition surplus facilities	
Base: Disposition 3902A, 3802B & 303-K by September 30, 2001.	Complete.
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.	Received a modification to the PI that changed the date from July 1, 2002, to "at direction of the contracting officer." FH ready to initiate transition upon direction from RL.

FHI-M8A – 300 Area Cleanup

Measure 1: Maintain Progress on 300 Area Cleanup

Expectation 1: 324 Building Spent Nuclear Fuel removal

Base 1: Complete transfer of two NAC-1 casks by September 30, 2002.

The first of five PWR shipments was transported to the 200 Area Interim Storage Area (ISA). Load out and sealing of a second fuel assembly/storage cask is in progress.

On schedule to complete by November 20, 2002.

Base 2: Complete transfer of two additional NAC-1 casks by November 20, 2002.

Stretch: Complete transfer of fifth NAC-1 cask by November 20, 2002.

On schedule to complete by November 20, 2002.

Measure 2: Accelerate Progress on 300 Area Cleanup

Expectation 1: Accelerate removal of Spent Nuclear Fuel and Special Nuclear Materials from the 324 Building

Super Stretch 1: Complete transfer of sixth NAC-1 cask by November 20, 2002, or 90 days after award of River Corridor Contract, but not later than December 20, 2002.

On schedule to complete by November 20, 2002.

Super Stretch 2: Complete transfer of pins and pieces by November 20, 2002, or 90 days after award of River Corridor Contract, but not later than December 20, 2002.

On schedule to complete by November 20, 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	20,030	20,763	21,266	732	4%	(504)	-2%	21,877
PBS RC06 WBS 3.1.6.2	327 Facility Safe Shutdown	6,008	6,405	5,261	397	7%	1,144	18%	6,896
PBS RC06 WBS 3.1.6.3	Misc. Radiological Facilities Deactivation	2,276	2,255	1,821	(20)	-1%	434	19%	2,519
PBS RC06 WBS 3.1.6.4	300 Area Facilities Project Management	6,546	6,807	5,125	261	4%	1,682	25%	7,198
Total 300 Area FT		34,860	36,230	33,473	1,370	4%	2,757	8%	38,491

FY TO DATE SCHEDULE / COST PERFORMANCE

The favorable schedule variance of \$1.4M (4 percent) is primarily due to 327 min-safe efficiencies, outyear work scope being performed ahead of schedule and Liquid Waste Handling System work scope delay pending evaluation of baseline against 2012 Plan. The favorable cost variance of \$2.8M (8 percent) is due to 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: (+ \$1.4M)

All sub-projects are within established thresholds.

Cost Variance Analysis: (+ \$2.8M)

327 Facility Safe Shutdown — 3.1.6.2/RC06

Description and Cause: The favorable cost variance was primarily due to completion of outyear work scope, and min-safe activities being performed for less than planned.

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, and lower than expected contract and material costs.

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			
RC01, RC02, RC06, CP01, SS03, SS04			
Project Completion - Operating	\$ 37,408	\$ 36,752	\$ 656
Post 2006 * - Operating	\$ 23,945	\$ 17,753	\$ 6,192
- Line Item	\$ -	\$ -	\$ -
Total	\$ 61,353	\$ 54,505	\$ 6,848

[Status through August 2002]

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 equipment delivery delays and late completion of the Readiness Assessment (RA).

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

Action Plan: The first of five PWR shipments was transported to the 200 Area Interim Storage Area (ISA). Load out and sealing of a second fuel assembly/storage cask is in progress. Completion of the five shipments will complete the action plan.

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 completed on August 8, 2002. The Artisan Arm will be scheduled for shipment to the 324 Building, following completion of facility punch list items, tentatively September 30, 2002.

Regulatory Issues, DOE Issues, 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		BCR will be held until the River Corridor Contract is awarded.
RC06-02-010 3.1.6.4	8/19/02	Delete Milestone TRP-02-701 for River Corridor Contract Award and Transition				BCR transmitted to RL for approval.