



Section H

200 Area Materials & Waste Management

PROJECT MANAGERS

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INTRODUCTION

The 200 Area Materials and Waste Management consists of Project Baseline Summary (PBS) RL-CP02, Work Breakdown Structure (WBS) 3.3.2, except for ERDF and the Solid Waste Treatment Facility.

NOTE: Unless otherwise noted, all information contained herein is as of the end of October 2002.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows two milestones overdue.

NOTABLE ACCOMPLISHMENTS

Accelerate Readiness to Receive SNF K Basin Sludge — Completed cleanout of four cells (8R, 9L, 14R and 16R) in October, for a total of eight cells cleaned as required in the Performance Incentive. Two more shipments of Shippingport Fuel were moved to the Canister Storage Building, for a total of five out of a planned 18 shipments.

Mixed Low Level Waste (MLLW) Treatment — Completed disposal of 118 cubic meters of macroencapsulated debris waste from ATG. Exercised the ATG non-thermal treatment option for FY 2003 and began shipping them waste under the option.

TRU Waste Retrieval — Conducted an emergency preparedness drill in the mock-up TRU Retrieval trench. Waste retrieval is planned to start in FY 2003.

Liquid Waste Processing — The 200 Area Effluent Treatment Facility (ETF) is in a maintenance outage while preparations continue for the upcoming Evaporator campaign. Cooling water flow to the Evaporator was begun. Minor operating issues are being resolved during startup. The 200 Area ETF treated and disposed of more than 3 million gallons of radioactive liquid effluents in October, while the 300 Area Treated Effluent Disposal Facility (TEDF) treated and disposed of over 3.6 million gallons of industrial wastewater.

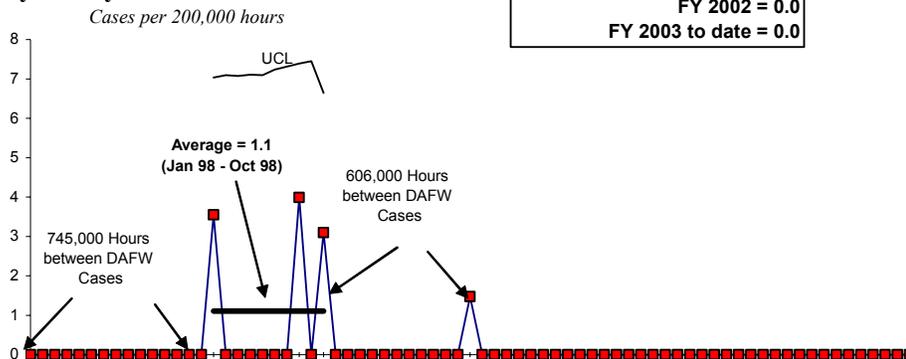
300 Area Cleanup Support — Completed all approval actions for facility/transportation safety basis documentation to support removal of spent fuel fragments via the GNS-12 cask system. Fuel fragments were removed from 324 and accepted at the CWC facility for storage. Continued support to 327 in removal of legacy waste items. Final preparations were completed for acceptance of the K Basins IXC boxes as part of the 300 are equipment disposition project. The first box was received and placed in the LLBG on a concrete pad prepared for encapsulation efforts.

Waste Encapsulation and Storage Facility (WESF) Operations — Completed repairs on the K-1 exhaust fan. Installed visual pool cell level indicator as a backup to electronic instrumentation. Renewed the Beneficial Uses Shipping System (BUSS) cask Nuclear Regulatory Commission (NRC) Certificate of Compliance.

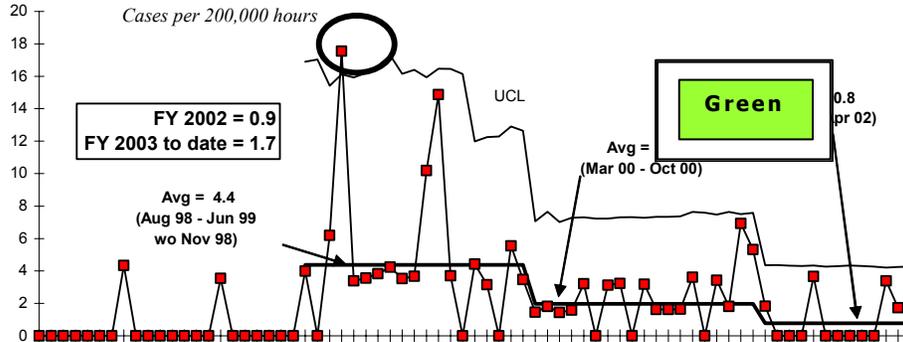
SAFETY

At the end of October 2002, Waste Management reached 4.3 million safe work hours. The last day-away injury occurred in October 1999. Fiscal year to date there has been one OSHA recordable injuries, resulting in a Recordable Incident Rate (IR) of 1.7 at the end of October. The FH annual goal is 0.9. An injury occurred in September and was initially classified as a "Days Away From Work" injury. Subsequent to the medical intervention, the case was review and classified as "Non-occupational" due to the medical findings. The project completed it annual VPP self-assessment October 15 and is updating the VPP application for submittal to RL in November. The project continues to move forward on the VPP communications plan activities to help re-invigorate and promote employee awareness and understanding of safety and health processes as they relate to VPP principals.

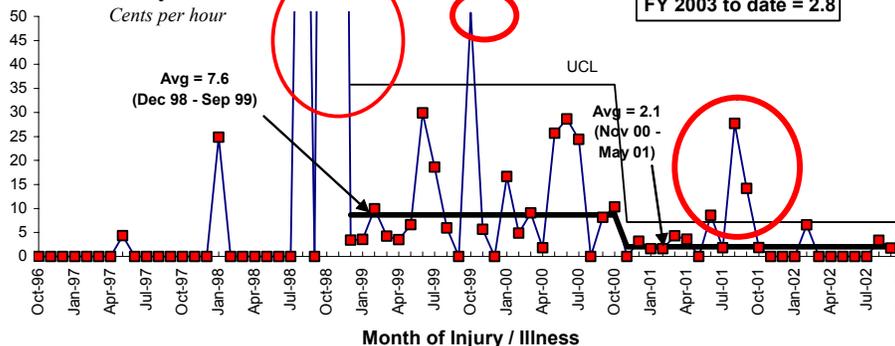
Days Away From Work Case Rate



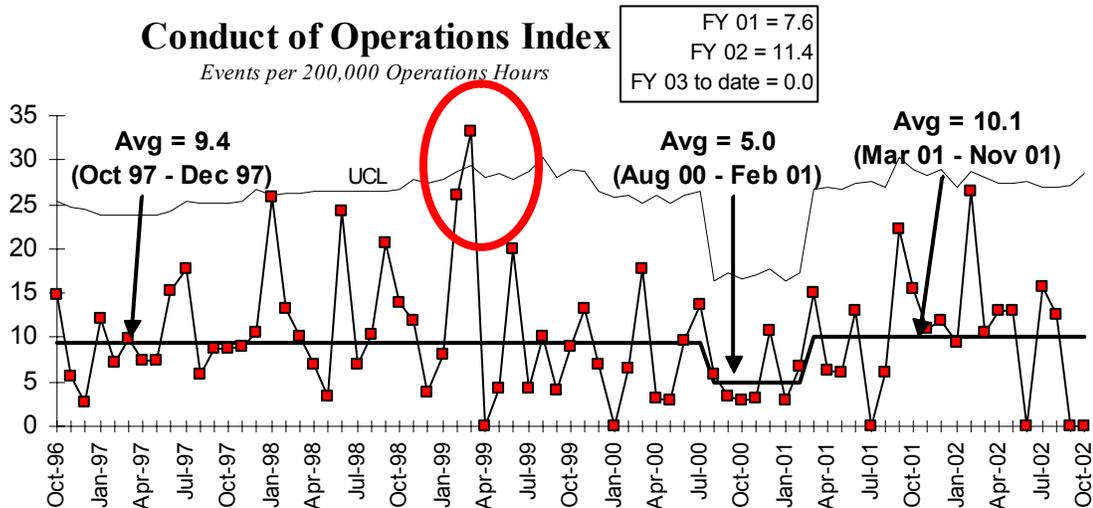
OSHA Recordable Case Rate



DOE Safety Cost Index



CONDUCT OF OPERATIONS



BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

No breakthroughs or opportunities for improvement are identified at this time.

UPCOMING ACTIVITIES

Accelerate Readiness to Receive SNF K Basin Sludge — 1) Complete movement of Shippingport (PA) fuel, 2) Support activities to receive and store K Basin sludge, and 3) Accelerate T Plant Canyon cell cleanout.

MLLW Treatment — Continue shipping waste to ATG under the FY 2003 option. Waste will consist of debris and radioactive lead solids. Establish a contract with Perma-Fix to perform the thermal desorption technology demonstration. Begin shipping waste that requires thermal treatment to Perma-Fix for the demonstration.

TRU Waste Shipments — The next shipment of TRU waste to WIPP is scheduled for November 21, 2002.

TRU Waste Retrieval — Continue preparations for the TRU Retrieval mockup. Plan to backfill and excavate to demonstrate excavation techniques. The contractor is working on the revisions to the Documented Safety Analysis (DSA).

Plutonium Finishing Plant Support — Continue to support residues processing with shipment of the new Sand, Slag and Crucible waste stream through FY 2003.

300 Area Cleanup Support — Complete support to the 324 Fuels Removal Project and continue support to 327 facilities. Complete shipment and receipt of the final IXC box from the equipment disposition project.

Waste Encapsulation and Storage Facility (WESF) Operations — Complete annual inner capsule movement test. Replace the Continuous Air Monitor (CAM) vacuum pump. Complete K-3 duct modification.

Liquid Waste Processing — Continue wastewater processing through the 200 Area ETF, the 300 Area TEDF, and complete the first 242-A Evaporator campaign in FY 2003.

MILESTONE ACHIEVEMENT

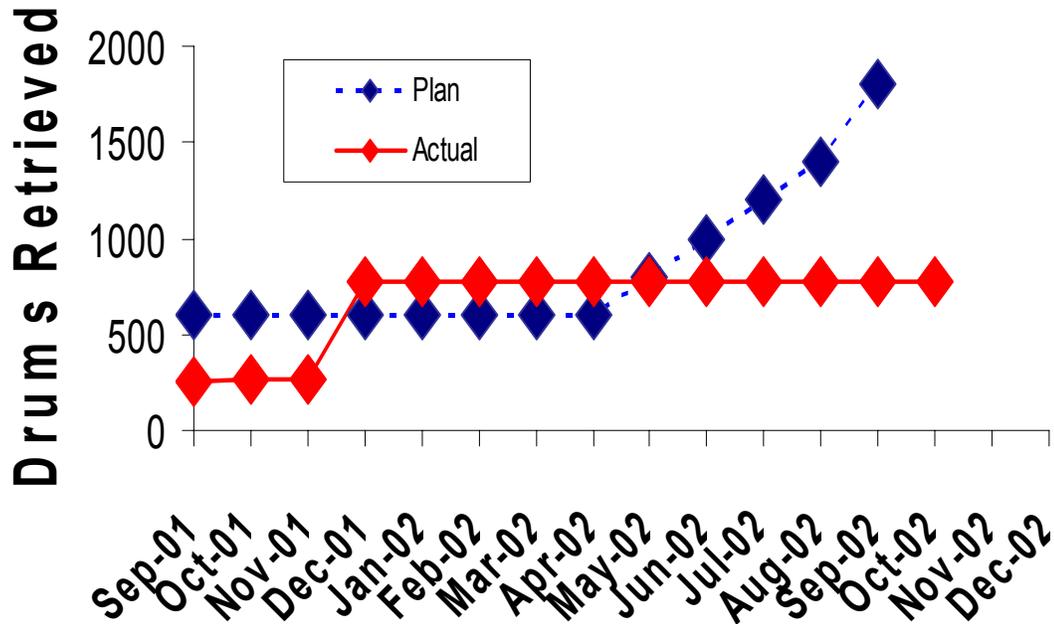
FH Contract Milestones

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status / Comment
M-7-1E	Complete T Plant preparation for storage of K Basins sludge	PI Base	10-30-02		TBD	In progress.
M-7-2A	Complete ORR for K Basins Sludge Receipt	PI Base	10-30-02		5/28/03	Revised schedule (recovery plan submitted to RL).
M-91-12A	Treat 240 Cubic Meters by 12/31/2002	TPA Enforceable	12-31-02		TBD	TPA renegotiation ongoing.
M-91-20	T Plant ready to rec. canister of K Basin floor pit sludge	TPA Enforceable	12-31-02		5/28/03	Revised schedule (recovery plan submitted to RL).
M-26-05J	Prep Biennial Tritium Treatment Tech Evaluation Report	TPA Enforceable	08-31-03		08-31-03	ON SCHEDULE
M-7-2B	Complete Readiness Assessment K Basins Canister & Fuel Sludge Receipts	PI Base	01-01-04		01-01-04	
M-7-3B	De-Post T Plant Canyon as Airborne Radiation Area	PI Stretch	01-01-04		01-01-04	ON SCHEDULE
M-91-22	T Plant ready to rec. Canister & fuel wash sludge from K Basin	TPA Enforceable	02-29-04		02-29-04	ON SCHEDULE

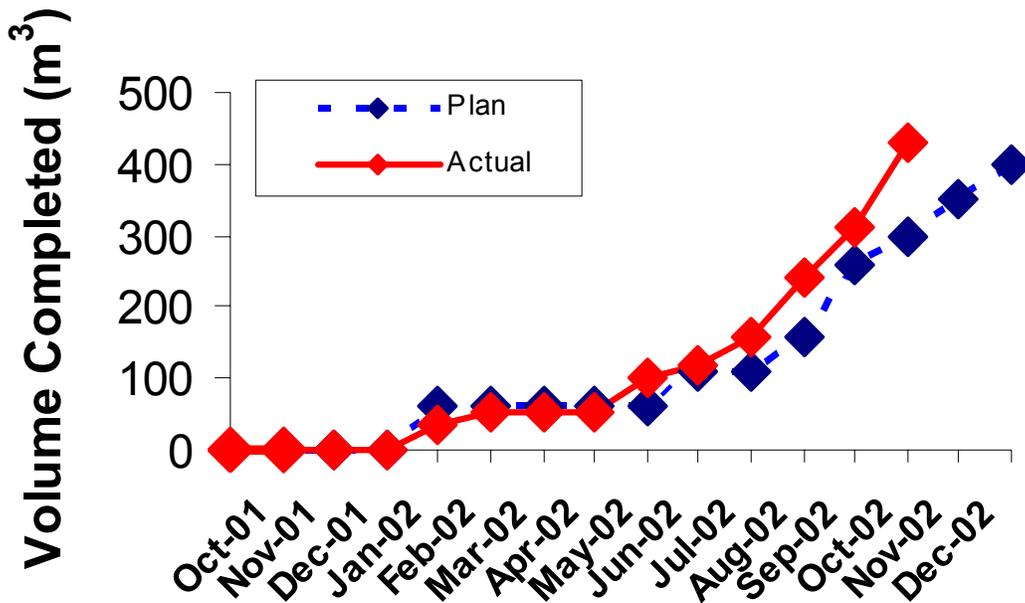
M-91-07	Complete W-113 for Post 1970 CH TRU / TRUM Retrieval	TPA Enforceable	09-30-04		TBD	TPA renegotiation ongoing.
M-1-2	Consolidate Sitewide SNF in 200 A Dry Storage	PI Base	02-28-05		02-28-05	ON SCHEDULE
M-26-05L	Prep Biennial Tritium Treatment Tech Evaluation Report	TPA Enforceable	08-31-05		08-31-05	ON SCHEDULE
M-5-2	Complete Thermal Treatment 600 m ³ MLLW by 12/31/05	PI Base	12-31-05		12-31-05	ON SCHEDULE
M-5-1B	Complete Treatment / Disposal 9820 m ³ of MLLW	PI Stretch	06-30-06		06-30-06	ON SCHEDULE
M-7-3C	Clear Remaining Stored Equipment from T Plant Canyon Deck	PI Stretch	06-30-06		06-30-06	ON SCHEDULE
M-4-1D	Retrieve 15,200 Suspect TRU Waste	PI Stretch	09-30-06		09-30-06	ON SCHEDULE
M-6-1A	Certify 580 m ³ of TRU waste	PI Stretch	09-30-06		09-30-06	ON SCHEDULE
M-6-1B	Complete 68 TRU Waste Shipments to WIPP	PI Stretch	09-30-06		09-30-06	ON SCHEDULE

PERFORMANCE OBJECTIVES

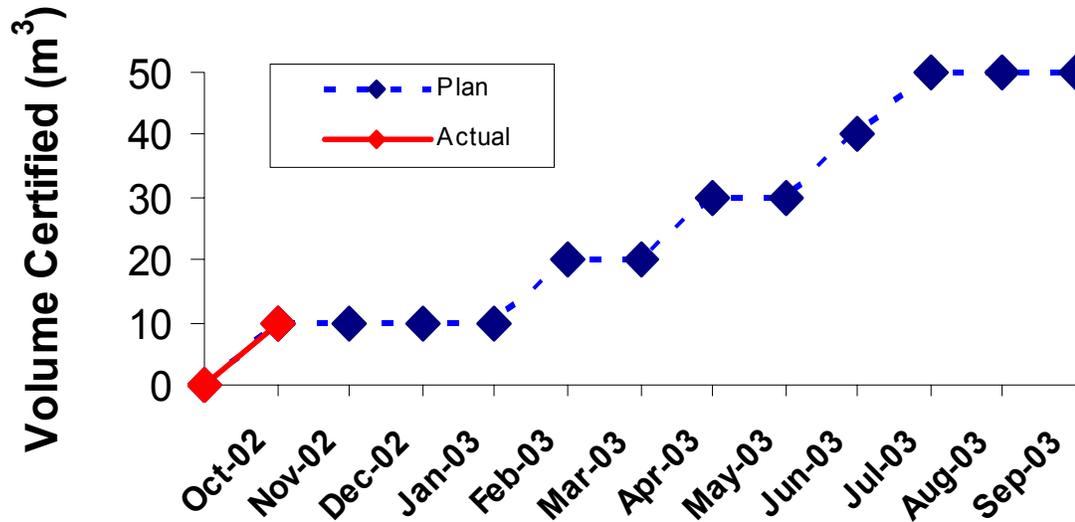
RETRIEVE TRU WASTE (FHI-M4)



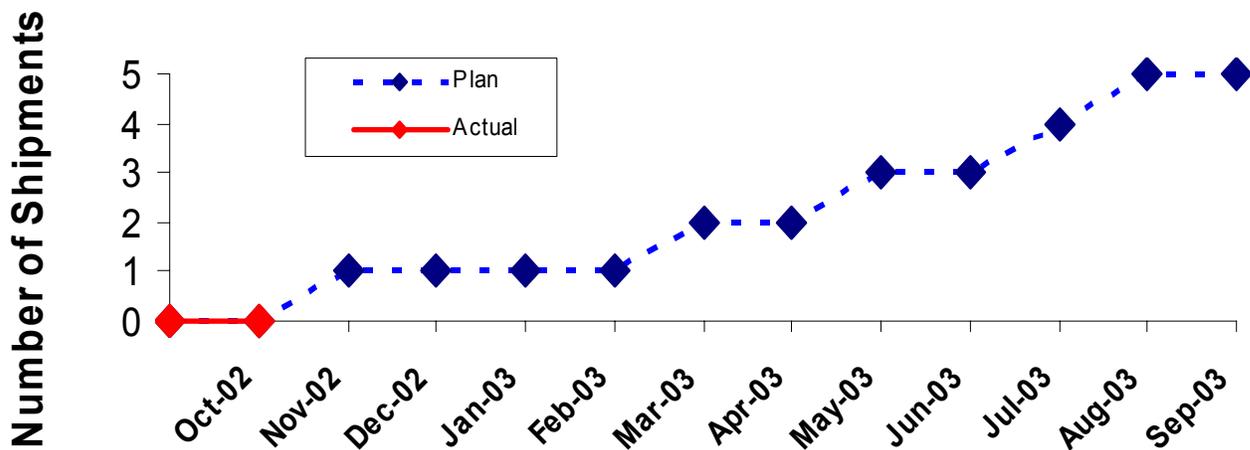
TREAT AND DISPOSE MLLW (FHI-M5)



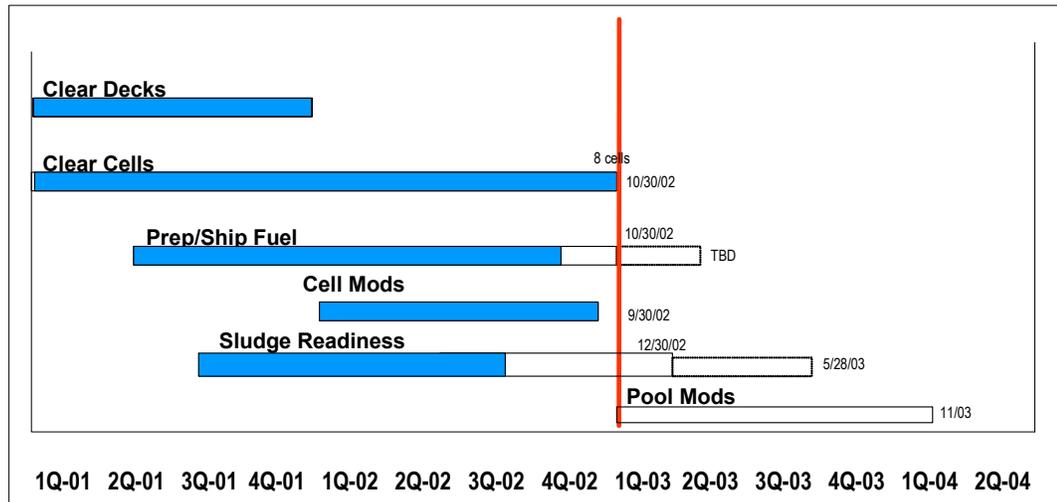
CERTIFY TRU WASTE (FHI-M6)



SHIP TRU WASTE (FHI-M6)



ACCELERATE READINESS TO RECEIVE K-BASIN SLUDGE (FHI-M7)



ISSUES

Technical Issues

Issue: Move Shippingport Fuel.

Impact/Status: T Plant has completed five of a planned 18 shipments to the Canister Storage Building (CSB).

Corrective Action: Coordinate and schedule future fuel transfer activities with SNF.

Issue: T Plant Readiness to Receive K Basin Sludge.

Impact/Status: Develop recovery plan to receive K Basins Sludge

Corrective Actions: Revise Technical Description calling for a Contractor Readiness Assessment (RA) and submit to RL November 5. Submit recovery plan and revise schedule for completion of workscope in TPA interim milestone M-91-20 RL November 7. Draft Sludge Safety Analysis (SA) and submit to RL on November 14.

External Issue/DOE Requests/Regulatory/DOE Issues

Nothing to report at this time.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

BCR No./ Level 4 WBS	Date Originated	Description	Impact		Date Approved	Status
			Days	Dollars (\$000s)		
FH-02-011	2/28/2002	10CFR830 Phase II compliance		1,700		Resubmitted to RL September 12, 2002
CP-02-014	7/12/2002	WMP Minimum Efficient Operating Level		2000/535		Submitted to RL