



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 Environmental Restoration Disposal Facility (ERDF).

NOTE: Unless otherwise noted, all information contained herein is as of the end of November 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 November, 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 5 out of a planned 18 shipments.

Mixed Low Level Waste (MLLW) Treatment — Completed disposal of 118 cubic meters of macroencapsulated debris waste from ATG, made 11 shipments of MLLW debris to ATG comprising of 203m³ of waste volume. Submitted the 183-H Basin waste draft Engineering Evaluation/Cost Analysis (EE/CA) to the Environmental Protection Agency (EPA) and Washington State Department of Ecology (Ecology) for review and comment resolution.

Transuranic (TRU) Waste Program — Completed the thirteenth waste shipment from Hanford to the Waste Isolation Pilot Plant (WIPP) on November 21, 2002. Submitted 11 procedures to DOE Carlsbad for review and approval that add calorimeters to the TRU Program for performing nondestructive assay measurements at the Plutonium Finishing Plant.

Liquid Waste Processing — The Effluent/Treatment Facility (ETF) has resumed treating groundwater following the successful 242-A Evaporator campaign in November. The Evaporator treated 1.02 million gallons (Mgal) and achieved a waste volume reduction of 38 percent. The 300 Area Treated Effluent Disposal Facility (TEDF) treated and disposed of over 3.2 millions of gallons of industrial wastewater, supporting the cleanout of several 300 Area facilities.

Plutonium Finishing Plant (PFP) Support — During November two Sand, Slag and Crucible (SS&C) Pipe Overpack Containers (POCs) containing 30 drums were received at the Central Waste Complex. The final SS&C shipments are scheduled for early January 2003, with the oxide/mixed oxide stream beginning immediately afterwards. The first Material Balance Area (MBA) annual inventory of 2402WK building was completed November 30, 2002.

Waste Encapsulation and Storage Facility (WESF) Operations — Completed reassembly of the Beneficial Uses Shipping System (BUSS) cask in preparation for storage. Replaced the K1-7-1 exhaust fan motor. Completed transfer of T Pit contents to TEDF. Supported DOE workshop on sending non-vitrified waste forms to Yucca Mountain.

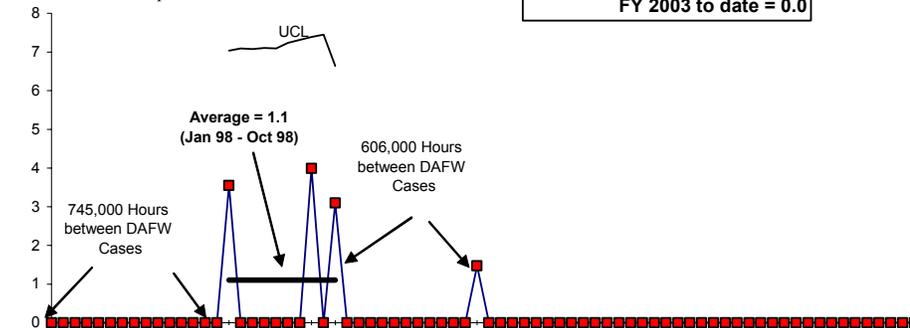
SAFETY

As of the end of November 2002, Waste Management reached 4.4 million safe work hours. The last day-away injury occurred in October 1999. Fiscal year to date there has been one OSHA recordable injury, resulting in a Recordable Incident Rate (IR) of 0.9 at the end of November. The FH annual goal is 0.9. The project completed development of its Voluntary Protection Plan (VPP) Application that is being reviewed by WMP and FH groups for submittal to RL in January 2003. The project continues to move forward on the VPP communications plan activities to promote employee awareness and understanding of safety and health processes as they relate to VPP principles.

Days Away From Work Case Rate

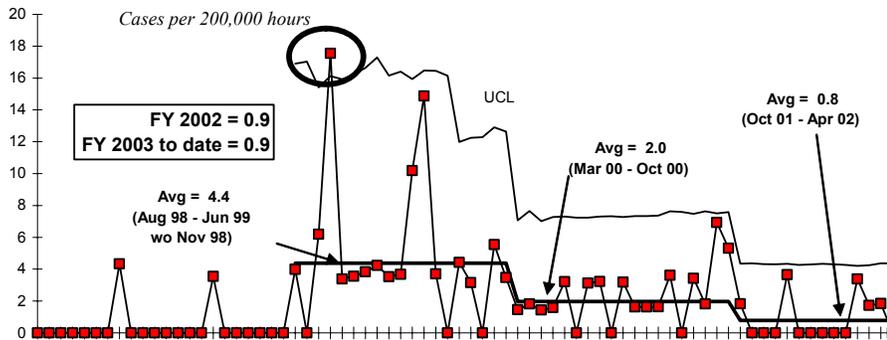
Cases per 200,000 hours

Project Safe Hours = 4,417,697
FY 2002 = 0.0
FY 2003 to date = 0.0



OSHA Recordable Case Rate

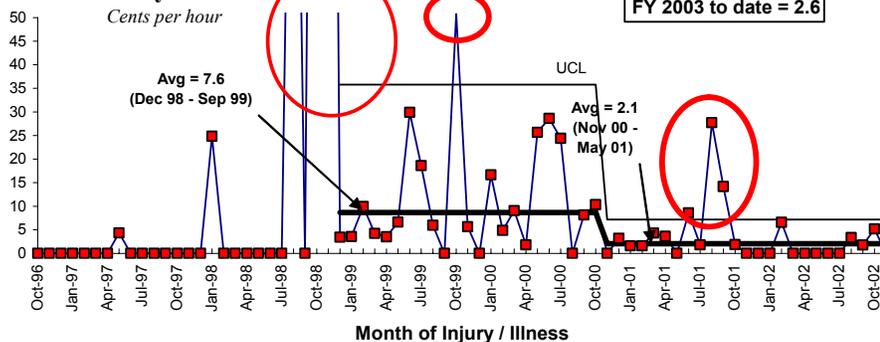
Cases per 200,000 hours



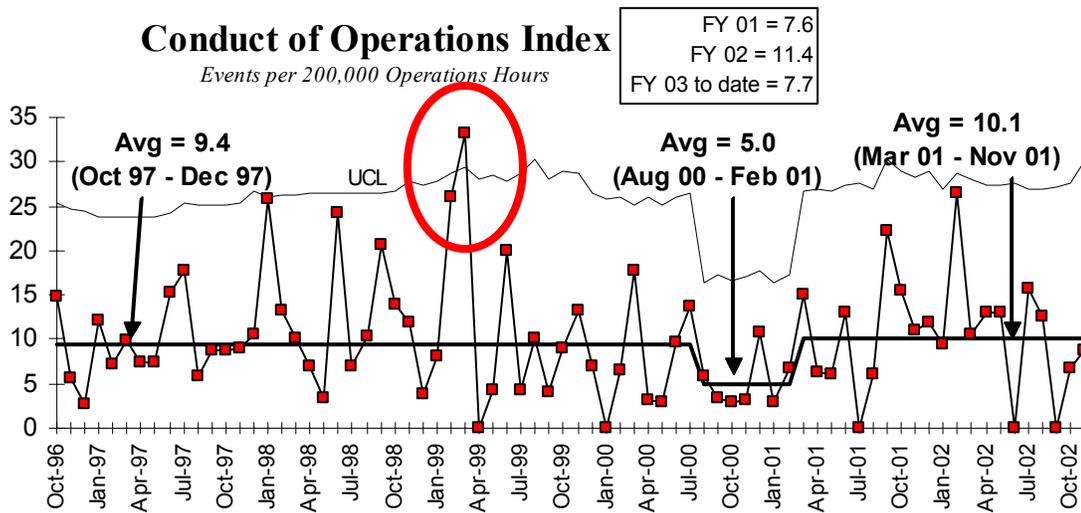
DOE Safety Cost Index

Cents per hour

FY 2002 = 1.1
FY 2003 to date = 2.6



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 (Pennsylvania) 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 contract option at an average rate of two shipments per week. Initiate radioactive lead solids shipments to ATG for treatment. Establish a task-order contract with Perma-Fix under the Broad Spectrum Contract program. Subject task-order will cover the thermal desorption technology demonstration activity. Continue to interface with Bechtel Hanford, Inc. (BHI), RL, EPA and Ecology on comment resolution for the 183-H EE/CA.

TRU Waste Program — Complete EPA and DOE Carlsbad WIPP certification process for Plutonium Finishing Plant calorimeters.

TRU Waste Retrieval — Continue preparations for the TRU Retrieval mockup. Conduct trial excavations at the Simulation Test Site in December using the draft procedure. Receive bids on the Assay Support Contract in December. The Drum Venting Performance Specification and Statement of Work are in the approval cycle. Uncertainty on which drum venting contractor will be selected is impacting Documented Safety Analysis (DSA) completion. Issue bid package in January 2003.

Plutonium Finishing Plant Support — Continue to support residues processing with shipment of the SS&C waste stream. Accept final SS&C shipments and begin receipt of oxide/mixed oxide waste stream through FY 2003.

300 Area Cleanup Support — Complete support to the 324 Fuels Removal Project and continue support to 327 facilities.

Waste Encapsulation and Storage Facility (WESF) Operations — Complete annual Inner Capsule Movement Testing. Replace Continuous Air Monitor (CAM) vacuum pump. Complete K-3 duct modification.

Liquid Waste Processing — Continue wastewater processing through the 200 Area ETF and the 300 Area TEDF. The next Evaporator campaign is planned to start January 6, 2003.

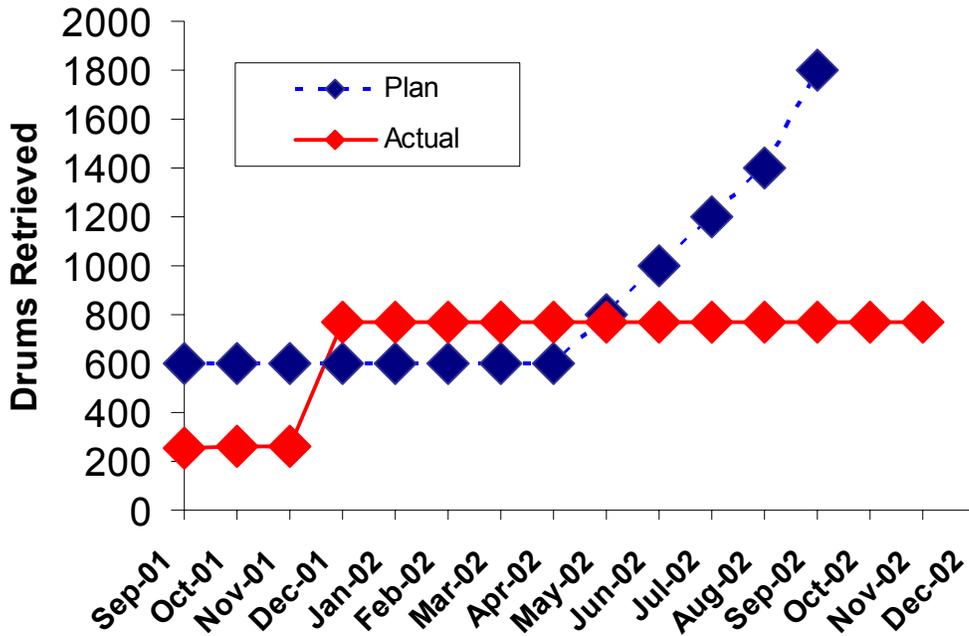
MILESTONE ACHIEVEMENT FH Contract Milestones

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		5/28/03	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

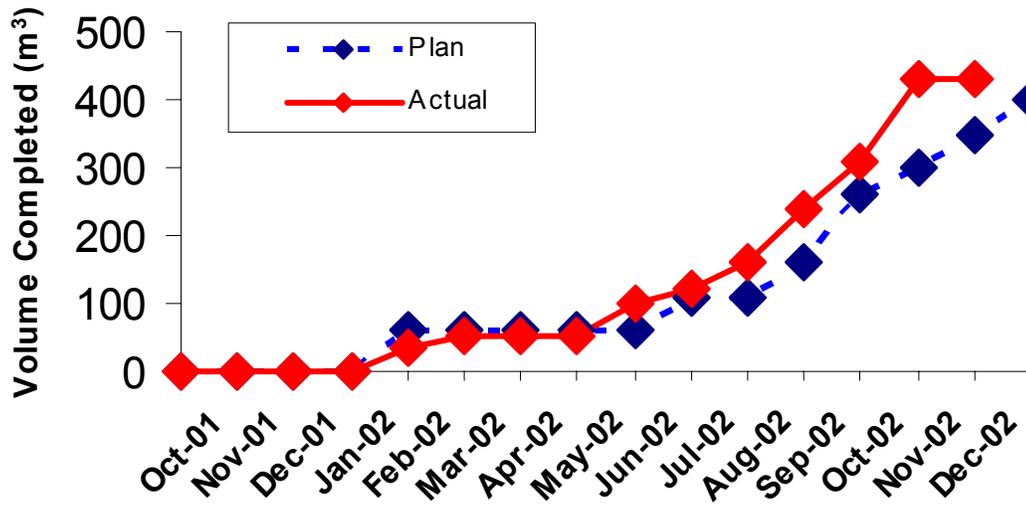
M-91-07	Complete W-113 for Post 1970 CH TRU / TRUM Retrieval	TPA Enforceable	09-30-04		TBD	TPA renegotiation ongoing.
M-1-2	Consolidate Sitewide SNF in 200 A Dry Storage	PI Base	02-28-05		02-28-05	On Schedule
M-26-05L	Prep Biennial Tritium Treatment Tech Evaluation Report	TPA Enforceable	08-31-05		08-31-05	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

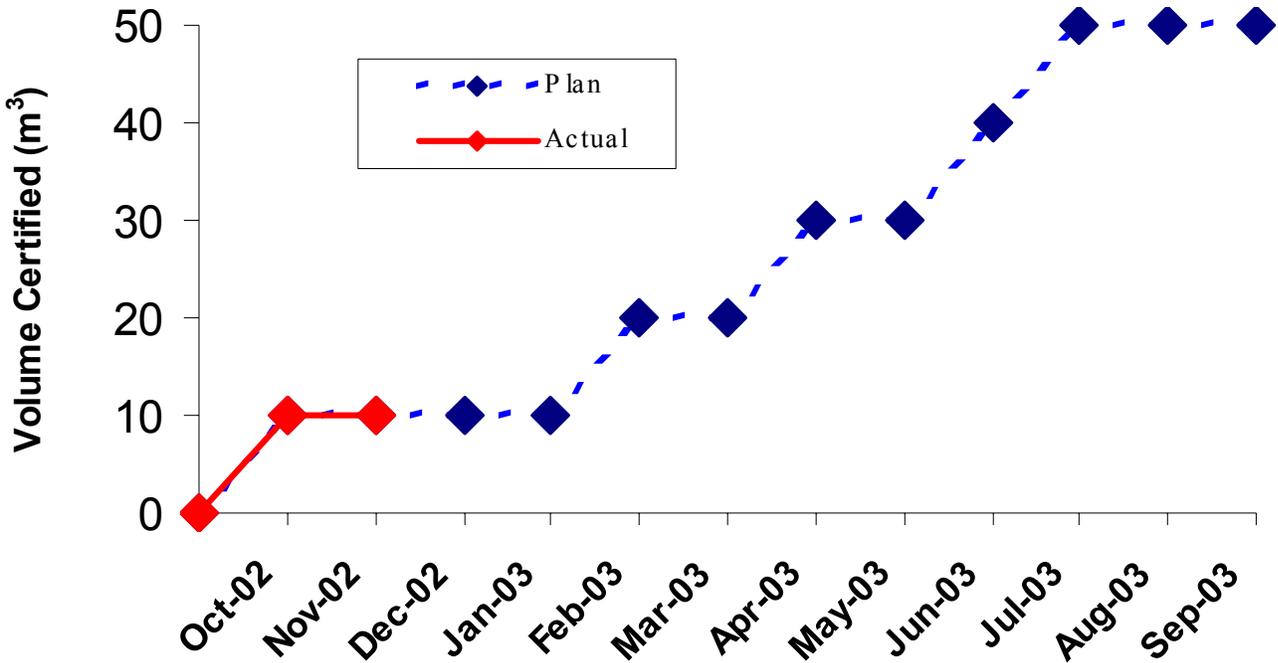
RETRIEVE TRU WASTE (FHI-M4)



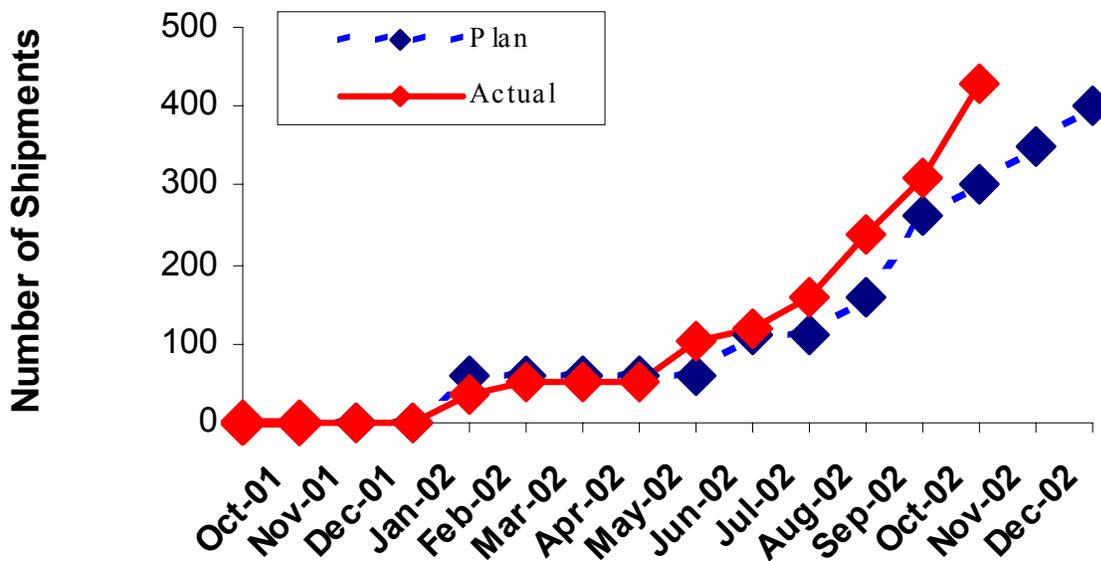
TREAT AND DISPOSE MLLW (FHI-M5)



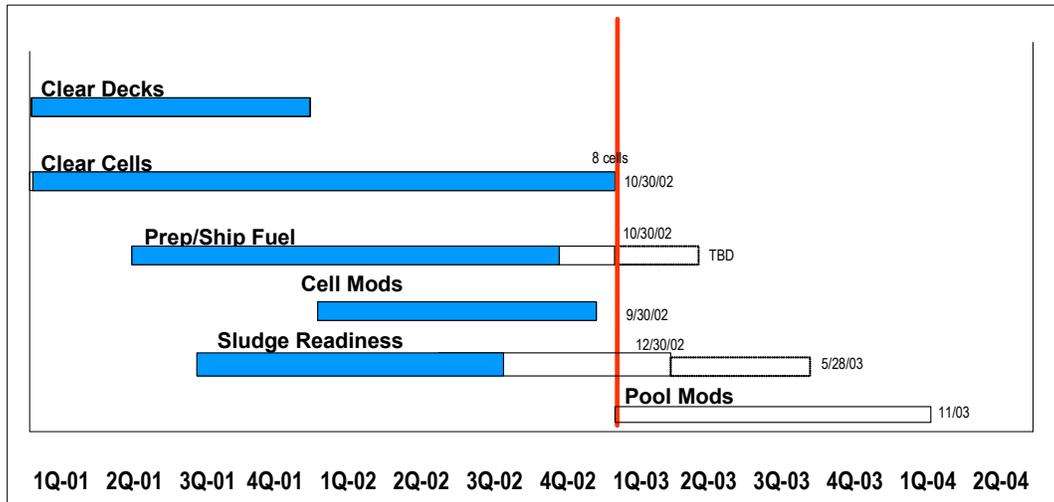
CERTIFY TRU WASTE (FHI-M6)



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 6 of a planned 18 shipments to the Canister Storage Building (CSB).

Corrective Action: Coordinate and schedule future fuel transfer activities with SNF. The seventh fuel move is scheduled for shipment to CSB December 13, 2002. The facility will shift to sludge readiness as the priority after fuel shipment 7, with construction activities to support sludge (including three weeks of canyon crane "down time") December 16, 2002 – January 24, 2003. Shipment 8 will be scheduled in late January or in February 2003, dependent on sludge readiness status. Continue fuel activities before June 10, 2003 to avoid additional readiness activities.

Issue: T Plant Readiness to Receive K Basin Sludge.

Impact/Status: Develop recovery plan to receive K Basins Sludge. Obtain Sludge Storage Safety Evaluation Report (SER), and proceed with sludge readiness

Corrective Actions: Plan of Action revised with comments from Technical Description in final review – submittal planned December 19, 2002. Safety Basis documents were sent to RL November 19, 2002 - liaison with RL indicates a January 22, 2003 SER delivery. Schedule critical path includes Crane Upgrades, Purge System Installation and receipt of second transporter. The Activity Readiness Plan has been approved. Forecast Management Self Assessment to start February 20, 2003 and Readiness Assessment March 19, 2003. TPA milestone, "Ready to Receive K Basin Sludge," forecast is May 28, 2003; target is April 10, 2003.

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)		
Nothing to Report.						