



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.

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

NOTABLE ACCOMPLISHMENTS

Transuranic (TRU) Waste Retrieval — Completed two days of trial excavations at the Simulation Test Site on December 19, 2002. Received the Drum Assay bid from Mobile Characterization Services and completed the technical evaluation. Completed the Drum Venting Statement of Work and Performance Specification on December 23, 2002. The Safeguards and Security Plan for protection of TRU Retrieval classified waste containers was issued for review and approval to RL on December 31, 2002. A letter detailing FH's position that no environmental decision documents need revision as a result of the new PIs was transmitted to RL on December 30, 2002. A draft TRU Retrieval Documented Safety Analysis (DSA) was issued on December 13, 2002 for comment.

Mixed Low Level Waste (MLLW) Treatment — Completed six shipments totaling 107.7 cubic meters (m^3) of MLLW debris to ATG. Received six MLLW shipments totaling $54.6m^3$ of macroencapsulated debris from ATG. Treated $134.8m^3$ of macroencapsulated debris (pre-treatment volume). Completed the requirements of the MLLW Transition PI (133 increments).

Liquid Waste Processing - The Effluent /Treatment Facility (ETF) treated 2.46 million gallons (Mgal) of groundwater in December. The Evaporator was in a maintenance outage preparing for the next campaign scheduled for January. The 300 Area Treated Effluent Disposal Facility treated and disposed of over 3.43 Mgal of industrial wastewater, supporting the cleanout of several 300 Area facilities.

Plutonium Finishing Plant (PFP) Support — During December, three Sand, Slag and Crucible (SS&C) Pipe Overpack Containers (POCs) were received containing 43 drums. The final SS&C shipments have been delayed due to the need for additional counting equipment. The final shipments are now expected in late March. Oxide/Mixed Oxide processing began in late December. The first shipments are scheduled for mid-February pending revision of the POC SARP.

300 Area Cleanup Support — The two K Basins IXC boxes were accepted and placed for monolith activities as part of the 300 area equipment disposition project. Planning work is underway with 324/327 on disposition of final remote handled wastes from cell clean outs, including development of interim trench Environmental Assessment (EA) to address matters associated with current LLBG trench capacities.

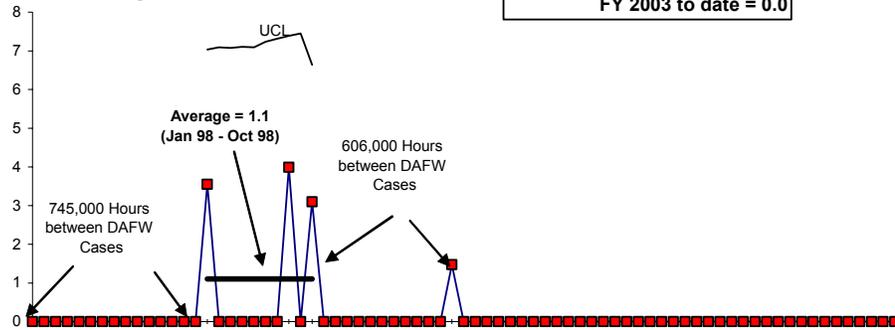
Waste Encapsulation and Storage Facility (WESF) — Completed annual Inner Capsule Movement Testing.

SAFETY

As of the end of December 2002, Waste Management reached 4.5 million safe work hours. The last day-away injury occurred in October 1999. Fiscal year to date there have been three OSHA recordable injuries, resulting in a Recordable Incident Rate (IR) of 1.9 at the end of December. The FH annual goal is 0.9. Because of the number of recordable injuries, the Project's DOE Cost Index has risen from 1.0 to 4.6. The project completed development of its Voluntary Protection Program (VPP) Application and plans to submit the application 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 principals.

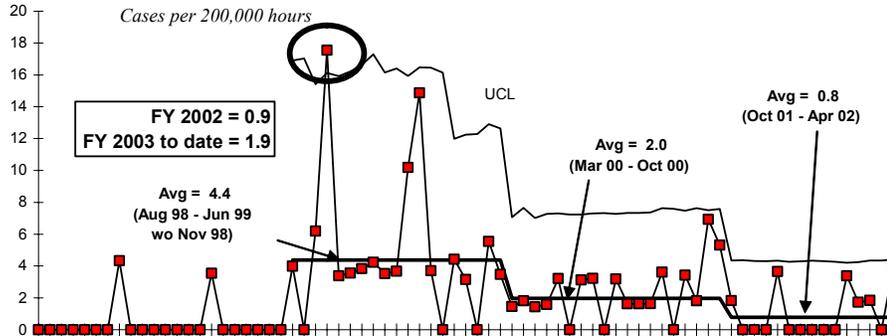
Days Away From Work Case Rate

Cases per 200,000 hours



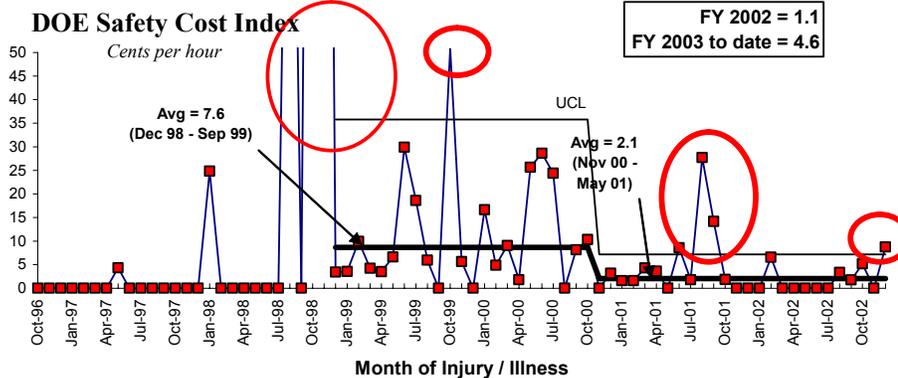
OSHA Recordable Case Rate

Cases per 200,000 hours

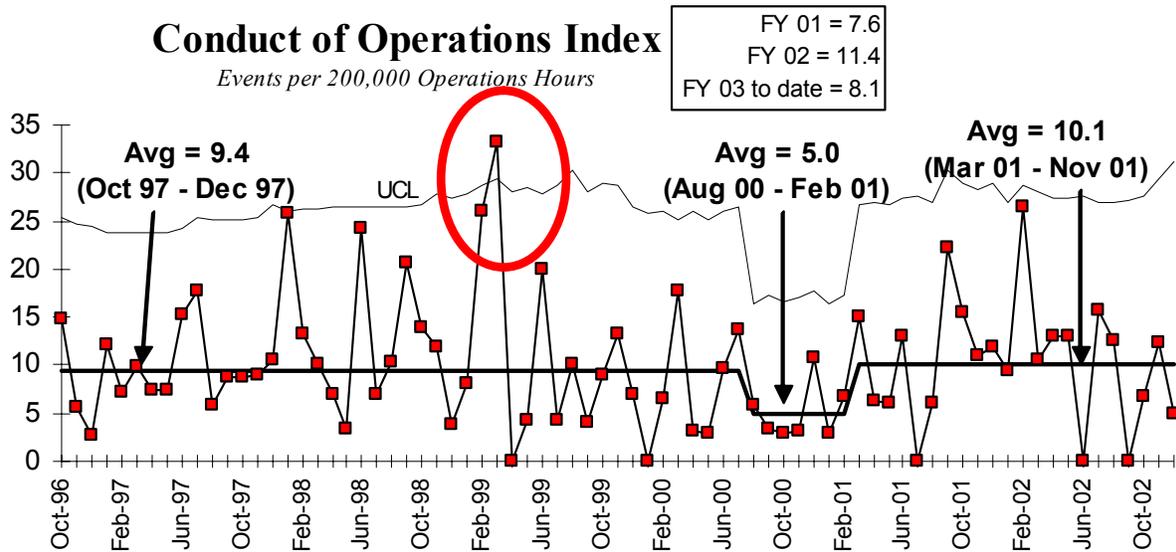


DOE Safety Cost Index

Cents per hour



CONDUCT OF OPERATIONS



BREAKTHROUGHS/OPPORTUNITIES FOR IMPROVEMENT

BREAKTHROUGH

TRU Waste Program — Advance Accelerate Process Line (APL) deployment in January 2004. This deployment will optimize headspace gas sample collection and analysis.

OPPORTUNITY FOR IMPROVEMENT

MLLW Treatment — Request for Proposal (RFP) will be issued in February to utilize commercial treatment capabilities, as a more cost effective treatment strategy.

UPCOMING ACTIVITIES

TRU Waste Program — Complete design of the 2404WC facility upgrades to support headspace gas sampling. Work with Carlsbad Field Office (CBFO) to define APL configuration and schedule for receipt at Hanford.

MLLW Treatment — Request for Proposal (RFP) will be issued in February to utilize commercial treatment capabilities, as a more cost effective treatment strategy.

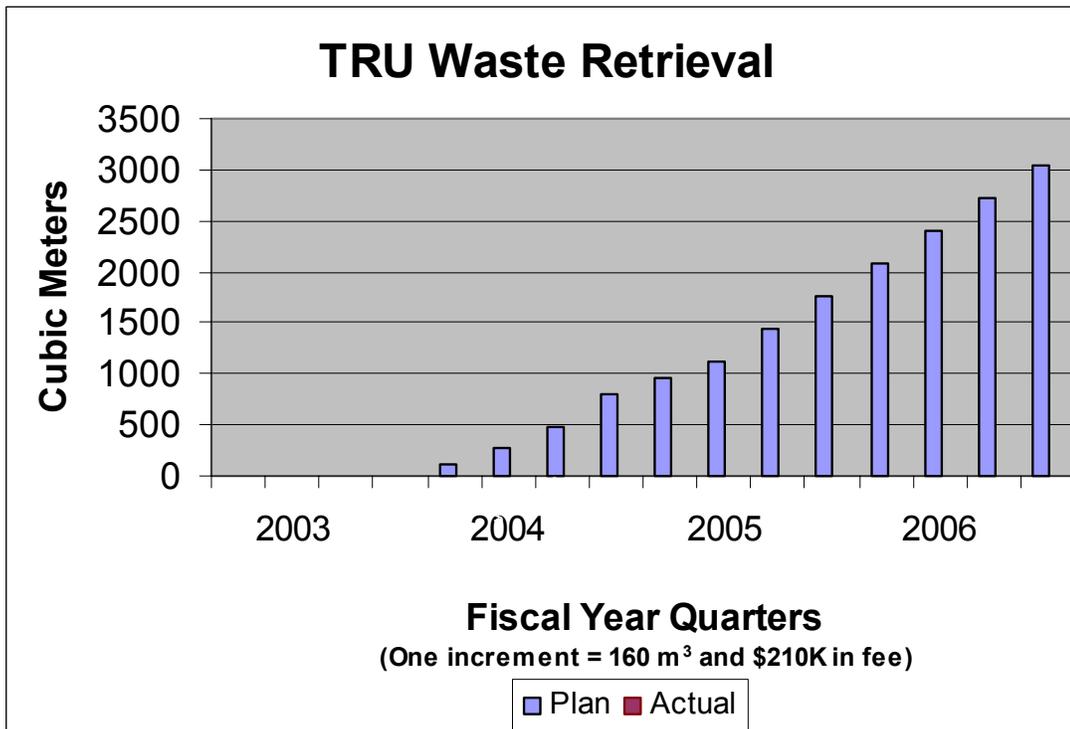
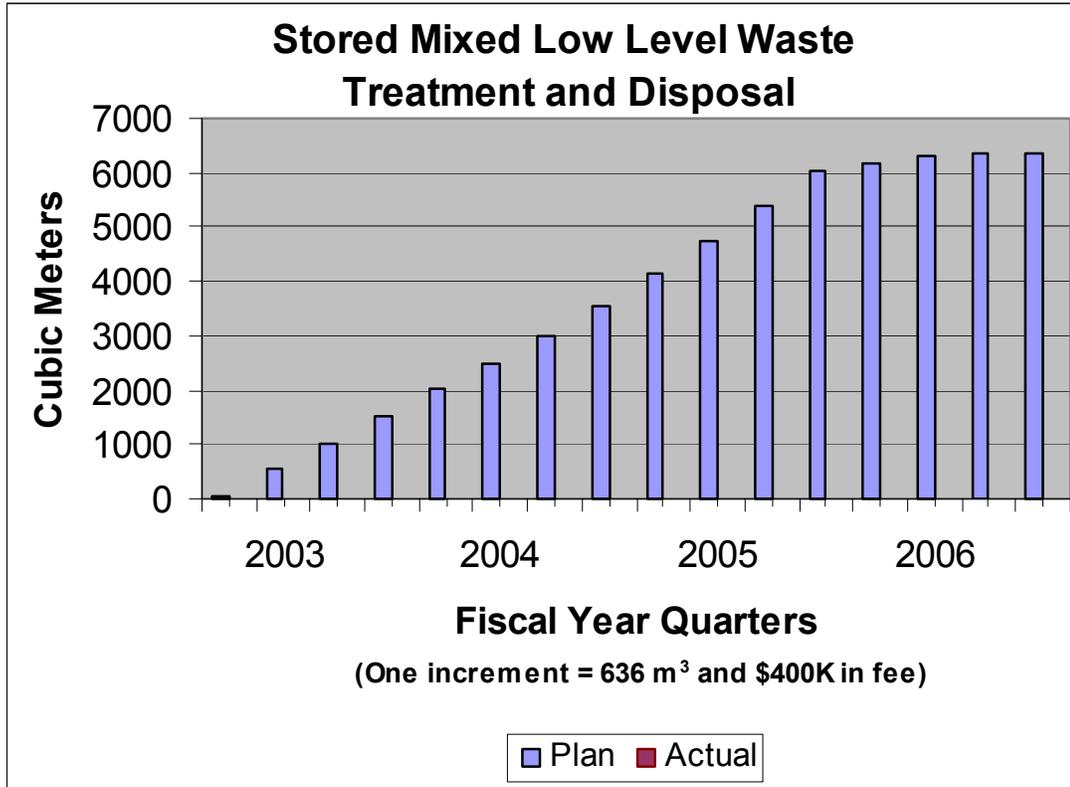
TRU Waste Retrieval — Resolve comments and issue the Documented Safety Analysis (DSA) in support of TRU waste retrieval by the end of January 2003.

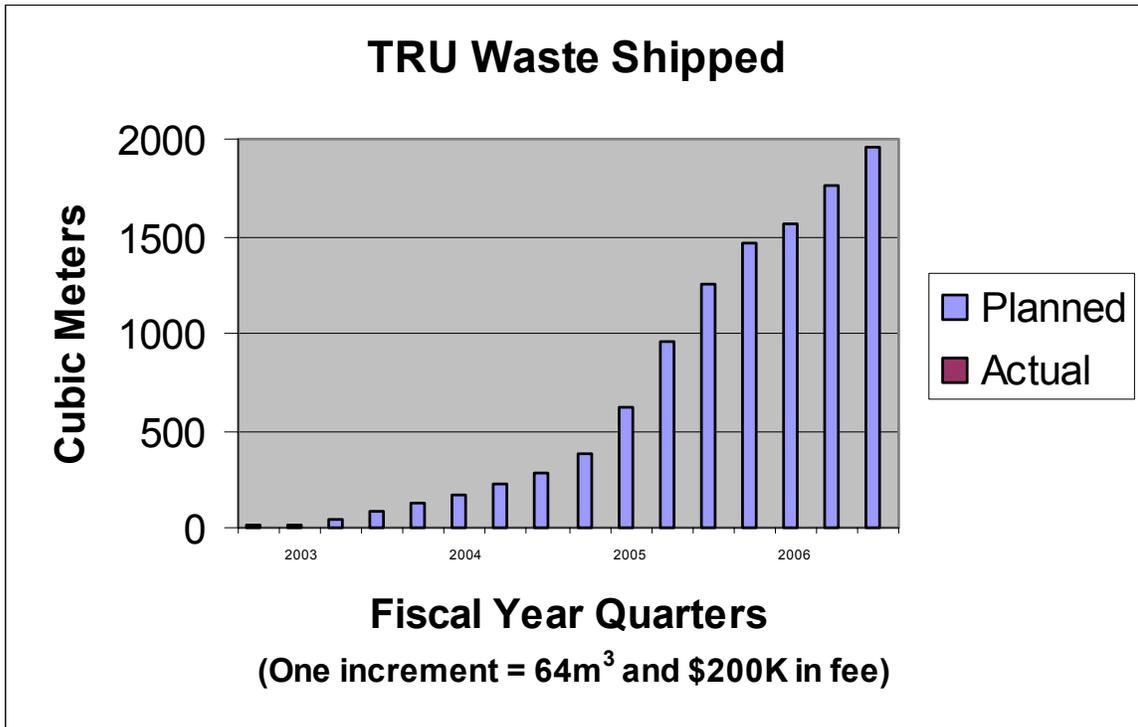
Dry Capsule Storage — Issue Activity Plan for dry storage of Cesium and Strontium capsules by the end of January 2003.

MILESTONE ACHIEVEMENT FH Contract Milestones

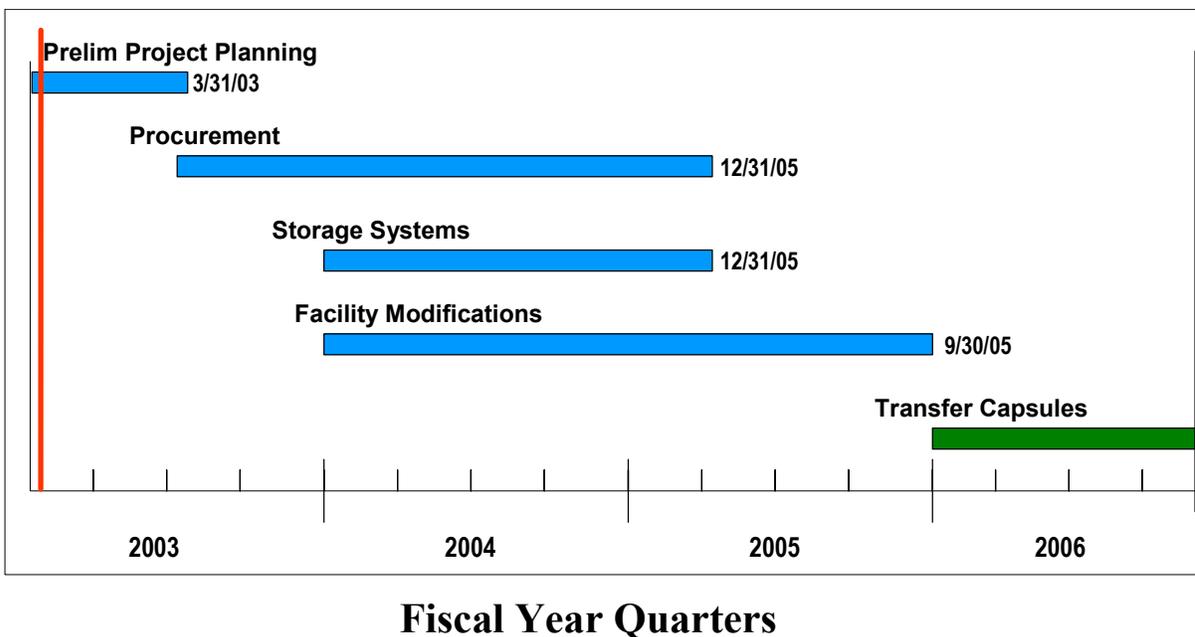
Milestone Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status / Comment
M-91-12A	Treat 240 Cubic Meters by 12/31/2002	TPA Enforceable	12-31-02		TBD	TPA renegotiation ongoing.
M-91-20	T Plant ready to rec. canister of K Basin floor pit sludge	TPA Enforceable	12-31-02		5/28/03	Revised 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-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-26-05L	Prep Biennial Tritium Treatment Tech Evaluation Report	TPA Enforceable	08-31-05		08-31-05	On Schedule

PERFORMANCE OBJECTIVES





Cesium and Strontium Capsule Dry Storage



FY03 SCHEDULE/COST PERFORMANCE

Cost/schedule performance is not available for this reporting status; data will be provided during the next reporting period based upon contract baseline updates as submitted to RL on January 30, 2003.

FUNDS MANAGEMENT FYTD FUNDS VS. SPENDING FORECAST (\$000)

	FH Funds Allocation	FYSF	Variance
3.3.2. Waste Management			
CP02			
Project Completion - Operating	\$ 128,000	\$ 122,500	\$ 5,500
Total	\$ 128,000	\$ 122,500	\$ 5,500

[Status through December 2002]

ISSUES

Technical Issues

1. T Plant Readiness to Receive K Basin Sludge

Challenge: Obtain Sludge Storage Safety Evaluation Report (SER) and proceed with sludge readiness

Action/Status

- Safety Basis documents were sent to RL November 19, 2002; comments have been received and have been resolved – liaison with RL indicates a January 23, 2003 SER delivery.
- Upgrades to the crane on hold while facility recovers from January 16, 2003 crane event. Facility currently in CONOPS and SAFETY stand down with restrictions on all Medium and High Risk work. Expect Dry Runs to be delayed until February 10, 2003.
- Readiness Self Assessments have been distributed and are being worked.
- Forecast Management Self Assessment to start March 3, 2003 and Readiness Assessment (RA) March 17, 2003. T Plant expects to receive authorization to begin sludge receipt on or before April 8, 2003.
- TPA milestone, "Ready to Receive K Basin Sludge" forecast is May 28, 2003.

Actionee

W. S. Ayers

2. Low Level Burial Ground (LLBG) Trench Capacity

Challenge: Disposal capacities for Low Level Waste (LLW) will be impacted in FY 2003 due to delays of National Environmental Policy Act (NEPA) documentation approval

Action/Status

- Interim Environmental Assessment (EA) path agreed to by RL and in process; strategic discussions on managing the EA for review were held on January 22, 2003.

Actionee

L. T. Blackford

- Draft EA submitted to RL on January 8, 2003. Current schedule is for RL to release the draft EA for public review January 23, 2003. RL will miss this date since guidance was not received from HQ on proceeding in a timely fashion. A 45-day comment period is required.
- New trench capacity is scheduled to be available July 1, 2003.

3. TRU Accelerated Process Line (APL)

Challenge: Install APLs and begin operations at assumed rates as soon as possible.

Action/Status

Actionee

- Held first APL conference call on January 15, 2003 with Carlsbad Field Office (CBFO) R. P. Dunn
- First available APL committed to Livermore; best-case early delivery of a single APL line to Hanford is July 31, 2003.
- Weekly conference calls scheduled with CBFO to progress the effort.

4. Mixed Waste Performance Incentive

Challenge: Disposition mixed waste.

Action/Status

Actionees

- Preparing a thermal desorption technology demonstration at Perma-Fix L. T. Blackford
- Evaluating impacts with current M-91 TPA renegotiations
- Preparing two new RFPs for thermal treatment contract to be issued by January 31, 2003.
- Engineering evaluation/cost analysis (EE/CA) for 183H basin waste is still awaiting comments from Ecology. Ecology has refused to provide advanced notice on comments pending meeting with EPA. RL is preparing correspondence to EPA requesting priority and support on the EE/CA.
- Delisting petition has been delayed due to EPA not completing reviews. RL is preparing correspondence to EPA requesting priority to complete.

Regulatory/External/DOE Issues and DOE Requests

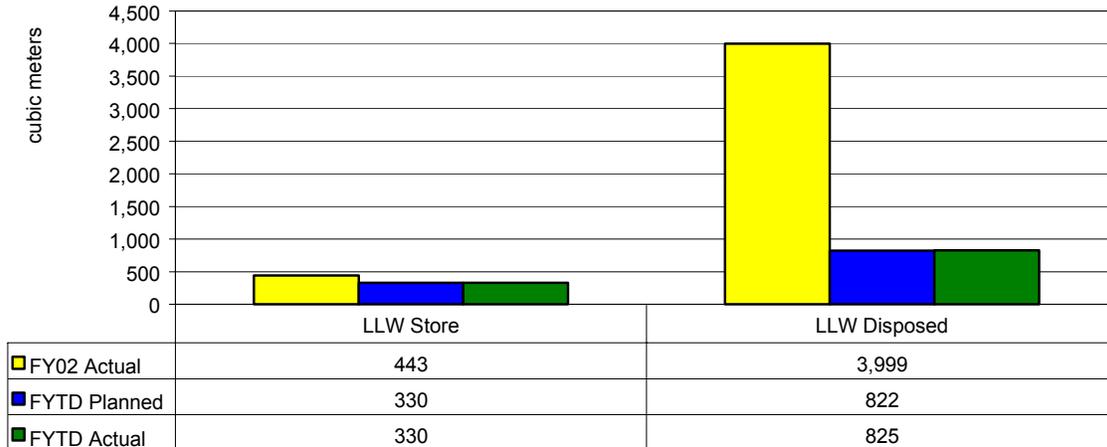
None identified at this time.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

None identified at this time.

CORPORATE PERFORMANCE MEASURES (To be converted to Gold Chart Metrics in near future)

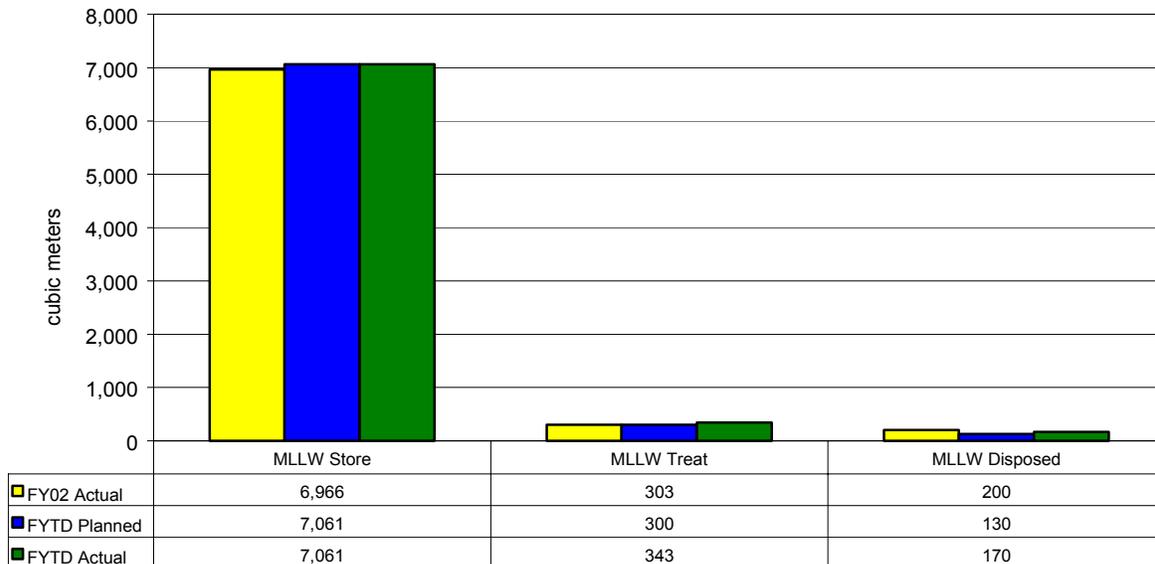
Low Level Waste



Storage: Storage continues to be provided for LLW.

Disposal: Less Disposal is +/- 10% of plan.

Mixed Low Level Waste

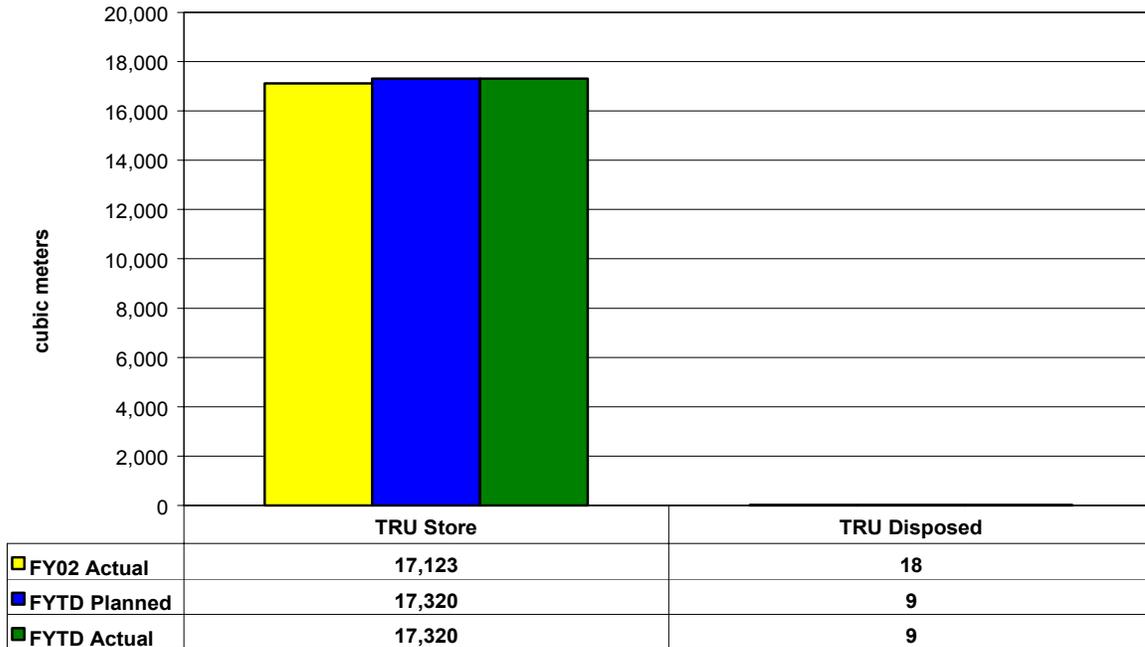


Storage: Storage continues to be provided MLLW.

Treatment: The variance results from the three CHG exhaustor boxes being much larger than anticipated.

Disposal: The variance results from the three CHG exhaustor boxes being much larger than anticipated

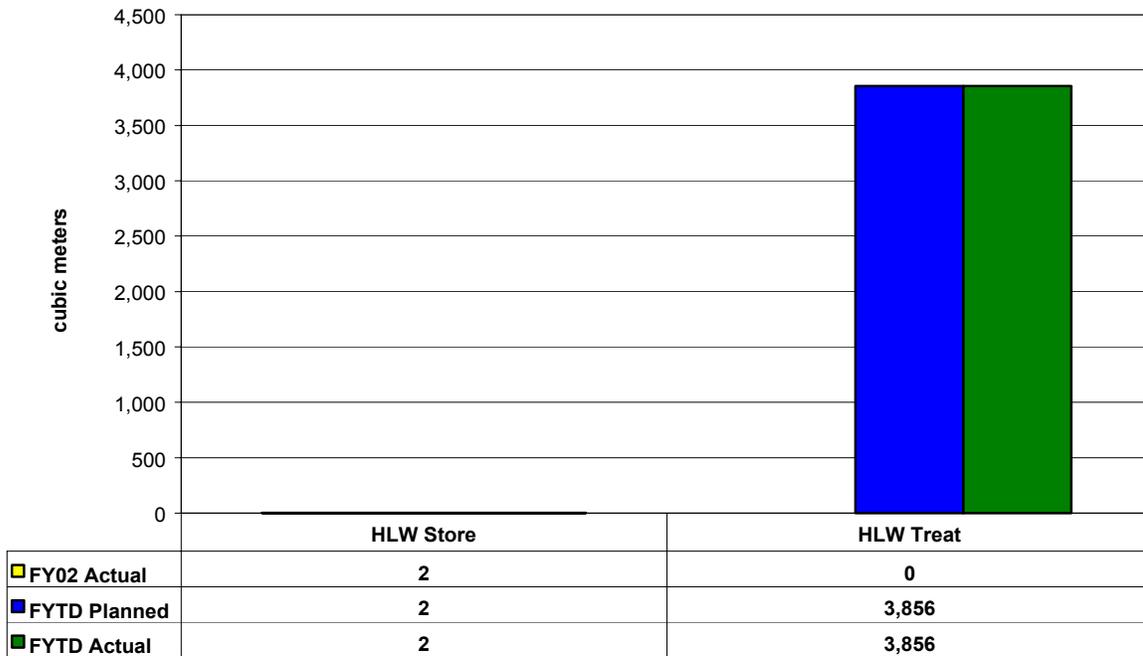
TRansUranic (TRU) Waste



Storage: Storage continues to be provided for existing and newly generated TRU waste.

Disposal: On schedule

High Level Waste Store/Treatment



Storage: Storage continues to be provided for HLW Cesium 137 and Strontium 90 capsules in the Waste Encapsulation and Storage Facility Pool Cells.

Treatment: On schedule