

# PHMC CONTRACT OVERVIEW

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## FFTF Solid Waste Cask



## Stabilization Packaging in Glove box 642-C



## K West Basins

### Fuel Retrieval System



### Canister Cleaner Operations



### Loading Cask on Trailer at K West

## Transfer of 242-A Evaporator



## OVERVIEW

This section of the report is intended to provide management with an executive-level performance overview. Unless otherwise noted, all information is as of the end of June 2003.

Included in this section are descriptions of significant accomplishments considered to have made the greatest contribution toward safe, timely and cost-effective clean up; progress against the contract with RL; project cost summary analysis; overviews of safety and critical issues that identify the high-level challenges to achieving cleanup progress.

## NOTABLE ACCOMPLISHMENTS

### Spent Nuclear Fuel (SNF)

**Fuel Movement Activities:** The project completed shipment of seven multi-canister over packs (MCOs) containing approximately 42.54 metric tons of heavy metal (MTHM) from the K West Basin to the Cold Vacuum Drying Facility (CVDF). As of July 21, 2003, a cumulative total of 253 MCOs containing approximately 1,353 MTHM have been shipped, and the project is one MCO shipment and .48 MTHM behind schedule. The project has implemented numerous production enhancements to improve its schedule. Enhancements include the implementation of a 24-hour-a-day, 7-days-a-week (24/7) shift schedule for management, transportation and maintenance personnel; equipment improvements; and enhancements to Maintenance processes and systems.

**Fuel Transfer System (FTS):** The project completed 20 FTS shipments (200 canisters) during the month. As of July 21, 2003, a cumulative total of 155 FTS shipments (1,550 canisters) have been completed and the project is one shipment (ten canisters) ahead of schedule. The project commenced 24/7 FTS operations on July 14, 2003, and continues to focus on production and equipment issues to improve its schedule.

**MCO Welding at Canister Storage Building (CSB):** The project welded and "N" stamped nine MCOs during June. As of July 21, 2003, the project welded a cumulative total of 55 MCOs and is three MCOs ahead of schedule.

**SWS – K West:** The SNF Project issued the Request for Proposal for the K West Sludge Retrieval and Storage System on June 30, 2003. The contract includes the design, fabrication, and testing of systems to retrieve and package sludge from K West. There were 43 companies notified, and bids are due from prospective vendors on August 11, 2003.

**Deactivation:** The SNF Project developed and delivered the Alternative Deactivation Plan to RL on June 30, 2003. The plan describes three alternative approaches for the deactivation and demolition of the K East and K West Basins. FH's recommended alternative saves \$10M in costs under the Fluor contract, and an additional \$10M in the overall life-cycle costs. RL was requested to provide a decision to RL by August 15, 2003.

### Central Plateau (CP) Remediation Project

**200 Area Remediation:** Received approval from RL to downgrade the 233-S Plutonium Facility to less than Hazard Category 3 (July 10, 2003). RL transmitted the U Plant Closure Area Waste Sites Focused Feasibility Study, Draft A (DOE/RL-2003-23), and the Proposed Plan, Draft A (DOE/RL-2003-24) to the Environmental Protection Agency and the Washington State Department of Ecology on June 27, 2003, completing Tri-Party Agreement (TPA) Milestone M-015-47 three days ahead of schedule.

## **ACCOMPLISHMENTS, CONTINUED**

**Groundwater/Vadose Zone Integration:** The "Project Highlights" section of the Hanford Site Groundwater Protection Program website (<http://www.hanford.gov/cp/gpp/>) has been updated. In addition, the [100 Area Pump and Treat Annual Summary Report](#) and the [In-Situ Redox Manipulation Annual Summary Report](#) for 2002 have been issued and added to the website.

### **Plutonium Finishing Plant (PFP) Project**

#### **Stabilization of Nuclear Materials**

**Metals, Alloys, Oxides and Polycubes:** Three hundred forty-one oxide items were processed during the reporting period. As of June 22, 2003, 1,871 oxide items have been processed under the fiscal year (FY) 2003 work scope, which is 87 items under the fiscal-year-to-date goal.

**Residues:** During June, 21,447 grams of oxide/mixed oxide (MOX) were packed into 18 pipe over-pack containers (POCs). The revision of the Safety Analysis Report for packaging for the POCs was approved on June 6, 2003. This revision will allow shipment to the Central Waste Complex of the majority of the oxide/MOX and Group 2 alloys.

**Outer Can Packaging:** Eighty-two 3013 containers were produced during June. A total of 688 3013 containers have been produced during this fiscal year, which is 26 containers ahead of the production baseline.

#### **Disposition of Nuclear Materials**

Thirty-nine containers of Low Level, transuranic (TRU)/TRU mixed, hazardous, recycled and 25 POCs of waste were shipped in the month of June. One hundred four 9975 containers and equipment for four loading stations were received from Rocky Flats Environmental Technology Site. An interoffice work order was issued to DOE/Oakland to purchase 300 9975 containers for delivery in October/November, 2003.

#### **Disposition PFP Facility**

##### **Decontamination and Decommissioning (D&D) Crosscut:**

The PFP End Point Criteria document was submitted to RL on June 27, 2003, three days ahead of schedule. This interim milestone is part of the schedule supporting the Tri-Party Agreement (TPA) milestone TRP-03-501 "Submit Facility End Point Criteria Document to Ecology", due September 30, 2003.

### **Fast Flux Test Facility (FFTF) Closure Project**

**Fuel Offload:** A significant accomplishment was achieved with the loading and delivery of two Interim Storage Casks (ISC) to the 400 Area Interim Storage Area. Each ISC holds seven fuel assemblies in dry, above-ground storage.

**Interim Heat Exchanger (IHX) Secondary Sodium Drain:** Preparations to complete draining sodium from the secondary side of the three Main Heat Transport System began in June. Vent/drain lines above two of the three IHXs have been heated and blown down, cooled and insulation removed in preparation for dip tube installation. Dip tube installation is expected to begin before the end of July.

## ACCOMPLISHMENTS, CONTINUED

### Waste Management Project

**TRU Waste Shipments to the Waste Isolation Pilot Plant (WIPP):** To date 128 cubic meters (m<sup>3</sup>) have been shipped versus 48 m<sup>3</sup> planned through the third quarter of FY 2003.

**TRU Waste Retrieval:** RL issued the Low Level Burial Ground (LLBG) Safety Evaluation Report (SER). The SER includes TRU retrieval activities. Prior to the TRU Retrieval Readiness Assessment, FH will perform an Implementation Validation Review for LLBG readiness verification.

**Mixed Low Level Waste (MLLW) Treatment:** The Engineering Evaluation/Cost Analysis (EE/CA) was approved for disposal of 183-H Basin waste in the Environmental Restoration Disposal Facility (ERDF). This waste represents 60% (3,730 m<sup>3</sup> or 12,300 containers) of currently stored MLLW at the Central Waste Complex (CWC). FH completed six shipments totaling 76 m<sup>3</sup> of MLLW debris and radioactive lead solids to ATG, Inc. (ATG). Received seven MLLW shipments totaling 52 m<sup>3</sup> (60 m<sup>3</sup> pre-treatment volume) of macroencapsulated debris and radioactive lead solids from ATG.

**Liquid Waste Processing:** Following a three-week maintenance outage, the 200 Area Effluent Treatment Facility treated 1.2 million gallons of Operable Unit UP-1 groundwater and ERDF leachate. The 300 Area Treated Effluent Disposal Facility treated and disposed of 3.7 million gallons of industrial wastewater, supporting cleanout of several 300 Area facilities.

### Safeguards and Security

**Hanford Patrol Takes Competition Honors:** The Hanford Patrol team achieved national recognition by winning both the "Security Police Officer of the Year" and "Supervisor" categories at the annual DOE Security Police Officer Training Competition.

### Planning and Integration (P&I)

**FH Life-cycle Re-baseline was completed June 27, 2003:** FH completed and delivered to RL an updated project baseline consistent with the December, 2002, FH contract revision with RL.

## GOVERNMENT FURNISHED SERVICES/ITEMS (GFS/I)

Listed below are the near-term RL action/commitments required to support FH's accelerated cleanup. Only data for the next 30 days (including any open GFS/I from prior periods) are shown. The "blue" text is hyper-linked to the current PHMC/RL contract at web site

<\\Ap001\HSTD\IRMS\CONTRACTS AND ACQUISITION\GFS GFI\SUMMARY\ALL GFS GFI.HTM>.

NOTE: GFS/I data through July 28, 2003.

## GFS/I, CONTINUED

(Highlight: gold = **PI Related**, red = **Late/Missed**)

Ref. ID	SOW Section	WBS Scope	Respon.	Req'mt	GFS/GFI	RL Letter No./Date Completed	FH Submittal	FH Letter No./ Date Completed	Comments	
GF0017	<a href="#">C.2.2.1.2</a> <a href="#">Plutonium Finishing Plant (PFP) Cleanup</a>	<a href="#">WBS 3.3.3.3 SNM Stabilization</a> Stabilize SNM	• Plutonium Finishing Plant	<a href="#">DE-AC06-96RL13200, C.2.2.1.2, Row 3, GFS/GFI 3</a>  <a href="#">DE-AC06-96RL13200, Section J, Appendix D, PLS-3, Attachment 1, GFS/GFI</a>	<b>DOE-SR approval of PFP's compliance with SRS acceptance criteria within 60 days of submittal</b>				Completed: 23 September 2002  Planned: 20 September 2002	ISSUE: GF0017 part 1 Key Item ISSUE: RL Letter dated 4/18/2003 notes GFS/GFI is unacceptable <a href="#">0301744 / 03-AMI-0018</a>
					DOE-SR approval of PFP's compliance with SRS acceptance criteria, Part 1 Commitment: 22 November 2002		<i>Savannah River Site (SRS) Acceptance Criteria Submittal, Part 1</i>			
GF0022	<a href="#">C.2.2.1.2</a> <a href="#">Plutonium Finishing Plant (PFP) Cleanup</a>	<a href="#">WBS 3.3.3.3 SNM Stabilization</a> Stabilize SNM	• Plutonium Finishing Plant	<a href="#">DE-AC06-96RL13200, C.2.2.1.2, Row 3, GFS/GFI 5</a>  <a href="#">DE-AC06-96RL13200, C.2.2.1.2, Row 4, GFS/GFI 3</a>  <a href="#">DE-AC06-96RL13200, Section J, Appendix D, PLS-3, Attachment 1, GFS/GFI</a>	Obtain 9975 SARP Certificate of Compliance amendment allowing PFP 3013s. Commitment: 28 February 2003				ISSUE: GF0022 Key Item ISSUE: FH submitted letter to RL 3/4/03, of RL's delay. Upon FH's receipt of the GFS, a change by contract modification is requested from RL reflecting the impacts. <a href="#">FH-0300950</a> ISSUE: RL Letter dated 4/18/2003 notes GFS/GFI is unacceptable <a href="#">0301744 / 03-AMI-0018</a>	
GF0022	<a href="#">C.2.2.1.2</a> <a href="#">Plutonium Finishing Plant (PFP) Cleanup</a>	<a href="#">WBS 3.3.3.4 Disposition SNM</a> Disposition SNM	• Plutonium Finishing Plant	<a href="#">DE-AC06-96RL13200, C.2.2.1.2, Row 3, GFS/GFI 5</a>  <a href="#">DE-AC06-96RL13200, C.2.2.1.2, Row 4, GFS/GFI 3</a>  <a href="#">DE-AC06-96RL13200, Section J, Appendix D, PLS-3, Attachment 1, GFS/GFI</a>	Obtain 9975 SARP Certificate of Compliance amendment allowing PFP 3013s. Commitment: 28 February 2003				ISSUE: GF0022 Key Item ISSUE: FH submitted letter to RL 3/4/03, of RL's delay. Upon FH's receipt of the GFS, a change by contract modification is requested from RL reflecting the impacts. <a href="#">FH-0300950</a> ISSUE: RL Letter dated 4/18/2003 notes GFS/GFI is unacceptable <a href="#">0301744 / 03-AMI-0018</a>	
GF0020	<a href="#">C.2.2.1.2</a> <a href="#">Plutonium Finishing Plant (PFP) Cleanup</a>	<a href="#">WBS 3.3.3.4 Disposition SNM</a> Disposition SNM	• Plutonium Finishing Plant	<a href="#">DE-AC06-96RL13200, C.2.2.1.2, Row 4, GFS/GFI 2</a>  <a href="#">DE-AC06-96RL13200, Section J, Appendix D, PLS-3, Attachment 1, GFS/GFI</a>	Approve Supplement Analysis and Record of Decision amendment for PFP Weapon Grade and Fuel Grade material. Commitment: 28 February 2003				ISSUE: GF0020 Key Item ISSUE: FH submitted letter to RL 3/4/02, of RL's delay. Upon FH's receipt of the GFS, change by contract modification will be requested from RL reflecting the impacts. <a href="#">FH-0300952</a>	
GF0024	<a href="#">C.2.2.1.2</a> <a href="#">Plutonium Finishing Plant (PFP) Cleanup</a>	<a href="#">WBS 3.3.3.4 Disposition SNM</a> Disposition SNM	• Plutonium Finishing Plant	<a href="#">DE-AC06-96RL13200, C.2.2.1.2, Row 4, GFS/GFI 5</a>  <a href="#">DE-AC06-96RL13200, Section J, Appendix D, PLS-3, Attachment 1, GFS/GFI</a>	Obtain SAFKEG Certificate of Compliance. Commitment: 1 March 2003				ISSUE: GF0024 Key Item ISSUE: FH submitted letter to RL 3/5/03, of RL's delay. Upon FH's receipt of the GFS, a change by contract modification is requested from RL reflecting the impacts. <a href="#">FH-0300969</a> ISSUE: RL Letter dated 4/18/2003 notes GFS/GFI is unacceptable <a href="#">0301744 / 03-AMI-0018</a>	
GF0029	<a href="#">C.2.2.1.2</a> <a href="#">Plutonium Finishing Plant (PFP) Cleanup</a>	<a href="#">WBS 3.3.3.5 Disposition PFP Facility</a> Disposition PFP	• Plutonium Finishing Plant	<a href="#">DE-AC06-96RL13200, C.2.2.1.2, Row 5, GFS/GFI 2</a>  <a href="#">DE-AC06-96RL13200, Section J, Appendix D, PLS-5, Attachment 3</a>	Approve PFP D&D Basis for Interim Operations (BIO) within 60 days of submittal Commitment: 11 August 2003		<i>Basis of Interim Operations (BIO) for 234-SZ Deactivation</i>	Completed: 12 June 2003  Planned: 12 June	ISSUE: GF0029 Key Item ISSUE: RL Letter dated 4/18/2003 notes GFS/GFI is unacceptable <a href="#">0301744 / 03-AMI-0018</a>	

**GFS/I, CONTINUED**

Ref. ID	SOW Section	WBS Scope	Respon.	Req'mt	GFS/GFI	RL Letter No./Date Completed	FH Submittal	FH Letter No./ Date Completed	Comments
GF0030	<a href="#">C.2.2.1.2 Plutonium Finishing Plant (PFP) Cleanup</a>	<a href="#">WBS 3.3.3.5 Disposition PFP Facility Disposition PFP</a>	• Plutonium Finishing Plant	<a href="#">DE-AC06-96RL13200, C.2.2.1.2, Row 5, GFS/GFI 3</a> <a href="#">DE-AC06-96RL13200, Section J, Appendix D, P1 S-5, Attachment 3, GFS/GFI</a>	Decision on PFP Transition Environmental Assessment within 180 days of submittal <b>Commitment: 29 June 2003</b>		<i>PFP Transition Environmental Assessment (EA)</i> <b>Planned: 31 December 2002</b>	<a href="#">FH-0206027</a> <b>Completed: 31 December 2002</b>	ISSUE: RL returned the draft EA until FH can determine the basis of justification for dose estimates. <a href="#">030944/03-PTD-0054</a> ISSUE: GF0030 Key Item
GF0070	<a href="#">C.3.3 Waste Receiving and Processing Facility (WRAP)</a>	<a href="#">WBS 3.3.2.4 TRU Program Perform TRU Processing</a>	• Waste Management	<a href="#">DE-AC06-96RL13200, C.3.3, Row 3, GFS/GFI 6</a> <a href="#">DE-AC06-96RL13200, Section J, Appendix D, P1 S-4, Attachment 2, GFS/GFI</a>	Approve MDSA/Safety analysis within 60 days of submittal. <b>Commitment: 10 June 2003</b>		<i>Solid Waste Master Documented Safety Analysis</i> <b>Planned: 10 April 2003</b>	<a href="#">FH-0301468R1</a> <a href="#">FH-0301468</a> <b>Completed: 7 April 2003</b>	ISSUE: GF0070 Key Item ISSUE: RL Letter dated 4/18/2003 notes GFS/GFI is unacceptable <a href="#">0301744 / 03-AMI-0018</a> ISSUE: RL response dated 5/15/2003 to FHI letters FH-0301468 & FH-0301468 R1. RL expects the MDSA will be approved by July 10, 2003 <a href="#">0302046/03-ABD-0078</a>
GF0072	<a href="#">C.3.3 Waste Receiving and Processing Facility (WRAP)</a>	<a href="#">WBS 3.3.2.4 TRU Program Disposition Transuranic Waste from WRAP/APL Processing to WIPP</a>	• Waste Management	<a href="#">DE-AC06-96RL13200, C.3.3, Row 3, GFS/GFI 8</a> <a href="#">DE-AC06-96RL13200, Section J, Appendix D, P1 S-4, Attachment 2, GFS/GFI</a>	Approve the Environmental Assessment for the Carlsbad APL within 60 days of submittal. <b>Commitment: 12 May 2003</b>		<i>NEPA Categorical Exclusion for Accelerated Process Lines for Packaging TRU</i> <b>Planned: 10 March 2003</b>	<a href="#">FH-0301033</a> <b>Completed: 11 March 2003</b>	ISSUE: GF0072 Key Item ISSUE: Partial approval received 4/9/03 (0301576/03-WMD-0139); does not allow full operation; DOE verbal agreement that CX can be amended to support operations. <a href="#">0301576/03-WMD-0139</a>
GF0073	<a href="#">C.3.3 Waste Receiving and Processing Facility (WRAP)</a>	<a href="#">WBS 3.3.2.4 TRU Program Perform TRU Processing</a>	• Waste Management	<a href="#">DE-AC06-96RL13200, C.3.3, Row 3, GFS/GFI 9</a> <a href="#">DE-AC06-96RL13200, Section J, Appendix D, P1 S-4, Attachment 2, GFS/GFI</a>	Approve WRAP LLW glovebox conversion safety analysis within 60 days of submittal. <b>Commitment: 10 June 2003</b>		<i>Solid Waste Master Documented Safety Analysis</i> <b>Planned: 10 April 2003</b>  <i>WRAP LLW Glovebox Conversion Safety Analysis</i> <b>Planned: 7 April 2003</b>	<a href="#">FH-0301468R1</a> <a href="#">FH-0301468</a> <b>Completed: 7 April 2003</b> <a href="#">FH-0301468R1</a> <a href="#">FH-0301468</a> <b>Completed: 7 April 2003</b>	Issuance of WRAP LLW Glovebox Conversion Safety Analysis is held up pending approval of MDSA. ISSUE: GF0073 Key Item ISSUE: RL Letter dated 4/18/2003 notes GFS/GFI is unacceptable <a href="#">0301744 / 03-AMI-0018</a>
GF0080	<a href="#">C.3.11 Mixed Waste Disposal Trenches (MWDI)</a>	<a href="#">WBS 3.3.2.1 Solid Waste Storage and Disposal Disposition Low-Level Mixed Waste</a>	• Waste Management	<a href="#">DE-AC06-96RL13200, C.3.11, Row 1, GFS/GFI 2</a> <a href="#">DE-AC06-96RL13200, Section J, Appendix D, P1 S-4, Attachment 2, GFS/GFI</a>	Approve the 200 ETF Delisting Modification Petition for acceptance of unrestricted F039 multi-source leachate for Hanford's RCRA Subtitle-C disposal units. <b>Commitment: 31 January 2003</b>				ISSUE: GF0080 Key Item ISSUE: RL Letter dated 4/18/2003 notes GFS/GFI is unacceptable <a href="#">0301744 / 03-AMI-0018</a> ISSUE: Impending impact, assuming date is missed, request recovery plan w/ revised date. (PI) S-4 (1b) <a href="#">FH-0300381</a> ISSUE: RL response dated 4/4/2003 to FHI letter FH-0300381. The existing public comment and comment resolution cycles lead towards an expected July 15, 2003, completion date for delisting petition. <a href="#">0301510/03-PRO-0317</a>
GF0083	<a href="#">C.3.11 Mixed Waste Disposal Trenches</a>	<a href="#">WBS 3.3.2.9 Waste Management Project Management &amp;</a>	• Waste Management	<a href="#">DE-AC06-96RL13200, C.3.11, Row 1, GFS/GFI 5</a> <a href="#">DE-AC06-96RL13200, Section J,</a>	Approve Hanford Solid Waste EIS (Issue Record of Decision) <b>Commitment: 31 July 2003</b>				ISSUE: GF0083 Key Item

## CONTRACT DELIVERABLES

Listed below are the current FH contract deliverables. Only data for the next 30 days (including any open deliverables from prior periods) are shown. The "blue" text is hyper-linked to the current PHMC/RL contract at web-site

<\\Ap001\HSTD\IRMS\CONTRACTS AND ACQUISITION\CONTRACT DELIVERABLES\SUMMARY\ALL CONTRACT DELIVERABLES.HTM>

NOTE: All contract deliverable data through July 28, 2003.

Ref. ID	SOW Section	WBS Scope	Respon.	Req'mt	Deliverable	FH Letter No./Date Completed	Needed GFS/GFI	RL Letter No./Date Completed	Comments
CD0261	<a href="#">C.2.2.1.2</a> <a href="#">Plutonium Finishing Plant (PFP) Cleanup</a>	<a href="#">WBS 3.3.3.1</a> <a href="#">Maintain Safe and Secure SNM</a> <a href="#">Maintain Safe and Secure SNM</a>	• Plutonium Finishing Plant	<a href="#">DE-AC06-96RL13200, C.2.2.1.2, Row 1, Deliverable 1</a>	<b>Annual Review of Nuclear Materials Management &amp; Safeguards System (NMMSS) T-147 Project Number worksheet, Chapter VIII</b>				
					Annual Review of Nuclear Materials Management & Safeguards System (NMMSS) T-147 Project Number worksheet, Chapter VIII (2003) Planned: 27 August 2003				
CD0044	<a href="#">C.2.4.1</a> <a href="#">Fast Flux Test Facility (FFTF) Cleanup</a>	<a href="#">WBS 2.1.1.1.21.1</a> <a href="#">FFTF Deactivation</a> <a href="#">Maintain Safe &amp; Compliant FFTF Complex</a>	• FFTF	ST 4500, S3 ST 4500, S5 ST 4500, S9 ST 4502, S3 <a href="#">DE-AC06-96RL13200, C.2.4.1, Row 1, Deliverable 2</a>	<b>Discharge Monitoring Report for State Waste Discharge Permit ST 4501 (Quarterly)</b>				
					Discharge Monitoring Report for State Waste Discharge Permit ST 4501 (CY 2003, Quarter 2) Planned: 20 August 2003				
CD0063	<a href="#">C.2.6</a> <a href="#">Groundwater Protection</a>	<a href="#">WBS 3.4.4.1</a> <a href="#">Management &amp; Integration</a> <a href="#">Manage and Integrate Hanford Site Groundwater Protection</a>	• Central Plateau Remediation	<a href="#">DE-AC06-96RL13200, C.2.6, Row 1, Deliverable 2</a>	<b>Complete Vadose Zone monitoring study. Interim Report Due 28 February 2003 and final report due 30 July 2003.</b>				
					Complete Vadose Zone monitoring study final report Commitment: 30 July 2003 Planned: 30 July 2003				
CD0114	<a href="#">C.4.2</a> <a href="#">Hanford Site Services</a>	<a href="#">WBS 3.4.6.2 FH</a> <a href="#">Safeguards &amp; Security</a> <a href="#">Safeguards &amp; Security</a>	• Safety & Health	<a href="#">DE-AC06-96RL13200, C.4.2, Row 41, Deliverable 1</a>	<b>Nuclear Material Accountability Transaction Data Report (Monthly)</b>				
					Nuclear Material Accountability Transaction Data Report (FY2003 July) Planned: 13 August 2003				Deliver to telecommunications via Classified Document Control by the 8th working day of the following month.
CD0115	<a href="#">C.4.2</a> <a href="#">Hanford Site Services</a>	<a href="#">WBS 3.4.6.2 FH</a> <a href="#">Safeguards &amp; Security</a> <a href="#">Safeguards &amp; Security</a>	• Safety & Health	<a href="#">DE-AC06-96RL13200, C.4.2, Row 41, Deliverable 2</a>	<b>Nuclear Material Balance Report (Monthly)</b>				
					Nuclear Material Balance Report (FY2003 July) Planned: 15 August 2003				Deliver to telecommunications via Classified Document Control by the 15th day of the following month.
CD0300	<a href="#">C.4.2</a> <a href="#">Hanford Site Services</a>	<a href="#">WBS 3.4.2.1</a> <a href="#">Landlord Services</a> <a href="#">Utilities Operations and Maintenance--Water Compliance and Sampling</a>	• Project Systems & Support	<a href="#">DE-AC06-96RL13200, C.4.2, Row 52, Deliverable 4</a>	<b>200E, 200W, 300, 400 Area Drinking Water Report (Monthly)</b>				
					200E, 200W, 300, 400 Area Drinking Water Report (2003, July) Planned: 10 August 2003				
CD0151	<a href="#">C.5.1</a> <a href="#">Environment, Safety, Health and Quality Assurance (ESH&amp;Q)</a>	<a href="#">WBS 3.4.1.2</a> <a href="#">Environmental Compliance</a> <a href="#">Environmental Protection</a>	• Regulatory Compliance	<a href="#">DE-AC06-96RL13200, C.5.1, Row 1, Deliverable 13</a>	<b>Hanford (AOP) Semi-Annual Report</b>				
					Hanford (AOP) Semi-Annual Report (2003 2nd Half) Planned: 14 August 2003				

## CONTRACT DELIVERABLES

Ref. ID	SOW Section	WBS Scope	Respon.	Req'mt	Deliverable	FH Letter No./Date Completed	Needed GFS/GFI	RL Letter No./Date Completed	Comments
C.5.1 <a href="#">Environment, Safety, Health and Quality Assurance (ESH&amp;Q)</a>	WBS 3.4.1.2 <a href="#">Environmental Compliance</a> <a href="#">Environmental Protection</a>	• Regulatory Compliance	DE-AC06-96RL13200, C.5.1, Row 1, Deliverable 13	<b>Hanford (AOP) Semi-Annual Report</b>					
				Hanford (AOP) Semi-Annual Report (2003 2nd Half) Planned: 14 August 2003					
C.5.1 <a href="#">Environment, Safety, Health and Quality Assurance (ESH&amp;Q)</a>	WBS 3.4.1.2 <a href="#">Environmental Compliance</a> <a href="#">Environmental Protection</a>	• Regulatory Compliance	DE-AC06-96RL13200, C.5.1, Row 1, Deliverable 18  CRD O 231.1, Chg 2, Section 12  DOE 5400.1, Chg 1, Chapter II, Section 4	<b>National Pollutant Discharge Elimination System Discharge Monitoring Report (Monthly)</b>					
				National Pollutant Discharge Elimination System Discharge Monitoring Report (2003, July) Planned: 25 August 2003					
C.5.1 <a href="#">Environment, Safety, Health and Quality Assurance (ESH&amp;Q)</a>	WBS 6.11.1.1.1 <a href="#">Safety &amp; Mission Assurance</a> <a href="#">Quality Assurance</a>	• Regulatory Compliance	DE-AC06-96RL13200, C.5.1, Row 5, Deliverable 1	<b>Update to the approved Quality Assurance Program Description QAPD (Annual)</b>					
				2003 Update to the approved Quality Assurance Program Description QAPD Planned: 31 July 2003					
C.5.3 <a href="#">Management Products and Controls</a>	WBS 6.6.10.1.1 <a href="#">Business Systems Management</a> <a href="#">Accounting System</a>	• Business Systems	DE-AC06-96RL13200, C.5.3, Row 1, Deliverable 5	<b>Contract Funds Status Report (Monthly)</b>					
				Contract Funds Status Report (July FY03) Planned: 20 August 2003					
C.5.3 <a href="#">Management Products and Controls</a>	WBS 6.6.10.1.1 <a href="#">Business Systems Management</a> <a href="#">Accounting System</a>	• Business Systems	DE-AC06-96RL13200, C.5.3, Row 1, Deliverable 8	<b>Depreciation Charges (Monthly)</b>					
				Depreciation Charges (FY2003 July) Planned: 10 August 2003					
C.5.3 <a href="#">Management Products and Controls</a>	WBS 6.6.10.1.1 <a href="#">Business Systems Management</a> <a href="#">Accounting System</a>	• Business Systems	DE-AC06-96RL13200, C.5.3, Row 1, Deliverable 11  DE-AC06-96RL13200, J, APP. B, 4.2.3	<b>FAS 106 Valuation (Annual)</b>					
				FAS 106 Valuation (2003) Planned: 27 August 2003					
C.5.3 <a href="#">Management Products and Controls</a>	WBS 6.6.10.1.1 <a href="#">Business Systems Management</a> <a href="#">Accounting System</a>	• Business Systems	DE-AC06-96RL13200, C.5.3, Row 1, Deliverable 12  DE-AC06-96RL13200, J, APP. B, 4.3.2B(3)	<b>FAS 87 Valuation (Annual)</b>					
				FAS 87 Valuation (2003) Planned: 27 August 2003					
C.5.3 <a href="#">Management Products and Controls</a>	WBS 6.6.10.1.1 <a href="#">Business Systems Management</a> <a href="#">Accounting System</a>	• Business Systems	DE-AC06-96RL13200, C.5.3, Row 1, Deliverable 13	<b>Financial Information System (FIS) Management &amp; Reporting System (MARS) (Month-End Deadlines)</b>					
				Financial Information System (FIS) Management & Reporting System (MARS) (FY2003 July) Planned: 10 August 2003					
C.5.3 <a href="#">Management Products and Controls</a>	WBS 6.6.10.1.1 <a href="#">Business Systems Management</a> <a href="#">Accounting System</a>	• Business Systems	DE-AC06-96RL13200, C.5.3, Row 1, Deliverable 19	<b>Fluor Hanford, Inc., Cost Submittal FHXXXX (Monthly)</b>					
				Fluor Hanford, Inc., Cost Submittal FHXXXX (FY2003 July) Planned: 10 August 2003					

## FY 2003 SCHEDULE / COST PERFORMANCE (\$K)

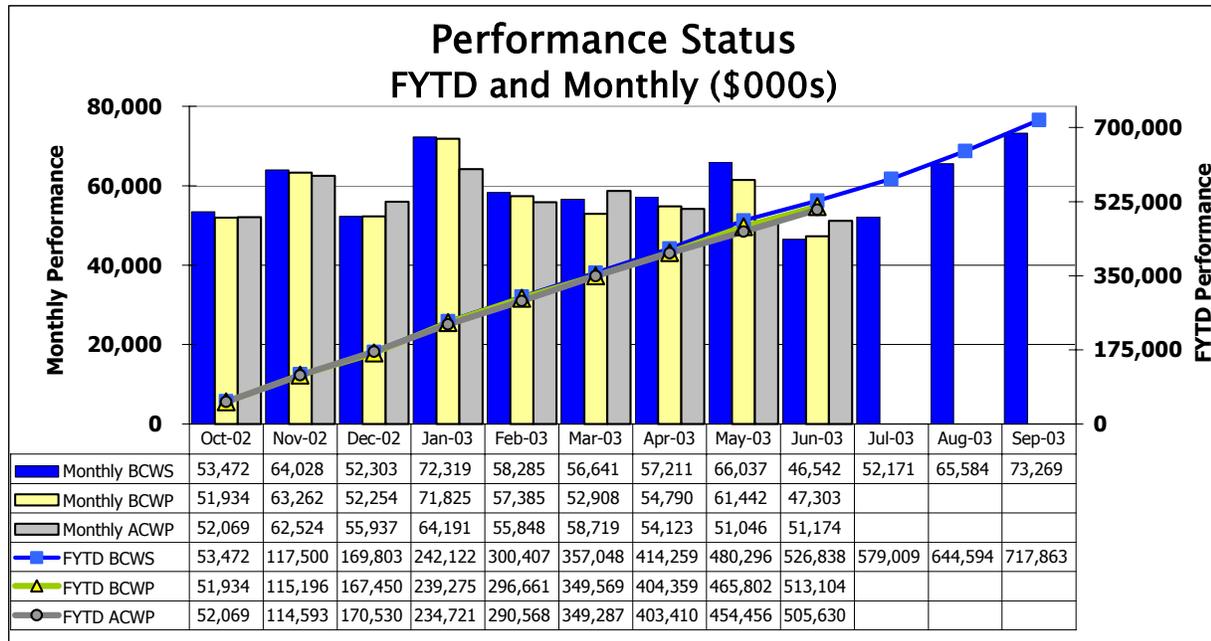
The following provides a brief synopsis of overall PHMC contract cost/schedule performance.

**SCHEDULE PERFORMANCE:** FYTD schedule performance reflects a -3%, or -\$13,734K unfavorable schedule variance. The established threshold is +/-10% or \$1M. The significant schedule variances are discussed in the following sections: Spent Nuclear Fuel Project (Section B); Central Plateau Remediation (Section C); Plutonium Finishing Plant (Section D); Fast Flux Test Facility (Section E); Waste Management (Section F); Project Systems and Support (Section G); Site Integration and Infrastructure (Section H); and Work for Others (Section I).

**Cost Performance:** FYTD cost performance reflects a 1%, or \$7,474K, favorable cost variance. The established threshold is +/-10% or \$1M. The significant cost variances are discussed in the following sections: Spent Nuclear Fuel (Section B); Central Plateau Remediation (Section C); Plutonium Finishing Plant (Section D); Fast Flux Test Facility (Section E); Waste Management (Section F); Project Systems and Support (Section G); Site Integration and Analysis (Section H); and Work for Others (Section I).

<b>Fiscal Year To Date (\$K)</b>	<b>Budgeted Cost of Work Scheduled</b>	<b>Budgeted Cost of Work Performed</b>	<b>Actual Cost of Work Performed</b>	<b>Schedule Variance \$</b>	<b>Schedule Variance %</b>	<b>Cost Variance \$</b>	<b>Cost Variance %</b>	<b>Budget At Completion</b>
<b>Spent Nuclear Fuel Project</b>								
RL-RS03 Spent Nuclear Fuel	116,783	116,078	125,762	-705	-1%	-9,684	-8%	148,290
<b>Central Plateau Remediation</b>								
RL-CP01 200 Area Remediation	23,108	21,184	23,952	-1,924	-9%	-2,768	-13%	30,336
RL-RC06 300 Area Facility Transition	18,464	18,152	16,374	-312	-2%	1,778	10%	20,310
RL-RS01 South Hanford Industrial Area Clean Up	177	190	145	13	7%	45	23%	253
RL-SS01 Near Term Stewardship	1,861	1,636	1,537	-226	-14%	99	6%	2,519
RL-SS03 Groundwater Management & Monitoring	15,135	13,822	12,755	-1,313	-10%	1,067	8%	22,105
RL-SS04 Groundwater/Vadose Zone Protection	2,539	2,394	2,285	-145	-6%	108	5%	3,180
<b>Plutonium Finishing Plant</b>								
RL-CP03 Plutonium Finishing Plant	75,568	71,935	73,583	-3,633	-5%	-1,648	-2%	107,622
<b>Fast Flux Test Facility</b>								
RL-RC03 Advanced Reactor Transition	1,244	981	1,001	-263	-27%	-21	-2%	2,204
RL-CP04 FFTF Project	28,194	27,252	27,740	-943	-3%	-488	-2%	38,151
<b>Waste Management</b>								
RL-CP02 200 Area Materials & Waste Mgm't	84,744	81,240	77,308	-3,504	-4%	3,932	5%	118,910
<b>Site Integration and Infrastructure</b>								
RL-SS01 Site Systems & Regulatory Analysis	11,425	11,425	8,655	0	0%	2,770	24%	17,430
RL-SS02 Landlord & Site Services	48,224	47,678	37,814	-546	-1%	9,864	21%	69,305
RL-SS05 HAMMER	3,644	3,622	3,473	-22	-1%	149	4%	4,933
RL-SS-D Safeguards & Security	32,606	32,606	32,423	0	0%	184	1%	44,407
<b>Subtotal Sub-project Work scope</b>	<b>463,717</b>	<b>450,194</b>	<b>444,806</b>	<b>-13,523</b>	<b>-3%</b>	<b>5,388</b>	<b>1%</b>	<b>629,956</b>
<b>Work for Others</b>								
National Programs (T&P, WM)	719	719	599	0	0%	120	17%	945
RFS/DOE-Directed	8,191	8,184	7,427	-7	0%	757	9%	11,092
Work for Federal Agencies	4,520	4,520	4,597	0	0%	-77	-2%	7,787
Work for Non-Federal Agencies	758	758	655	0	0%	104	14%	1,419
Inter-DOE Work Orders	2,221	2,221	1,803	0	0%	418	19%	3,218
Work from PNNL	4,703	4,699	4,159	-4	0%	541	12%	6,838
Work from BHI	1,748	1,710	1,406	-38	-2%	304	18%	2,512
Work from CH2M	39,901	39,739	39,905	-162	0%	-166	0%	53,583
Other Work for Others	360	360	274	0	0%	86	24%	513
<b>Subtotal Work For Others</b>	<b>63,121</b>	<b>62,910</b>	<b>60,824</b>	<b>-211</b>	<b>0%</b>	<b>2,087</b>	<b>3%</b>	<b>87,907</b>
<b>Total FH Contract Work scope</b>	<b>526,838</b>	<b>513,104</b>	<b>505,630</b>	<b>-13,734</b>	<b>-3%</b>	<b>7,474</b>	<b>1%</b>	<b>717,863</b>

## FY 2003 SCHEDULE/COST PERFORMANCE STATUS, CONTINUED



## MILESTONE PERFORMANCE

Milestones represent significant events in project execution. Milestones are established to provide high level visibility to critical deliverables and specific status on the accomplishment of these key events. Because of the relative importance of milestones, the ability to track and assess milestone performance provides an effective tool for managing the PHMC contract. FY 2003 milestone information is based upon the current baseline including RL approved changes. Changes in both the number and type of milestones from month to month are the result of Baseline Change Requests (BCRs) approved during the year.

Fiscal year milestone performance (Enforceable Agreement [EA], U.S. Department of Energy-Headquarters [DOE-HQ], and RL) shows that 17 milestones were completed on or ahead of schedule, one was completed late and four milestones are overdue.

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	Total FY 2003
<b>Enforceable Agreement</b>	<b>15</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>24</b>
DOE-HQ	1	0	0	0	0	0	0	1
DOE-RL	0	0	0	1	0	4	0	5
<b>Total FH</b>	<b>16</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>6</b>	<b>0</b>	<b>30</b>

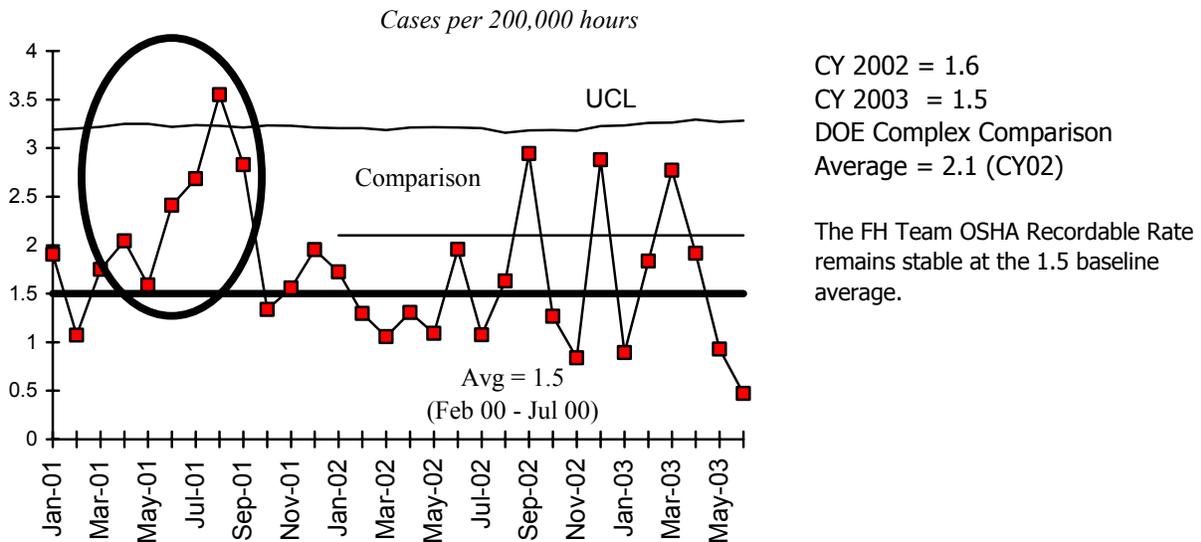
## MILESTONE PERFORMANCE, CONTINUED

The overdue enforceable agreement milestones are TPA Milestone M-34-08/S04-02-205, *Initiate Full Scale KE Basin Sludge Removal*, forecast to restart the ORR on July 21, 2003 (addressed in Section B); M-91-12A/WMH-03-015, *Treat 240 Cubic Meters by 12/31/2002* which has a letter of completion submitted to RL; and M-91-20/WMP-03-003, *T Plant ready to receive canister of K-Basin floor pit sludge* which was completed June 24, 2003. These last two are detailed in Section F. The overdue RL milestone is S04-00-205, *CD4/Complete Operational Readiness Review sludge transfer from K Basins* is forecast to be complete August 7, 2003 (detailed in Section B).

## SAFETY OVERVIEW

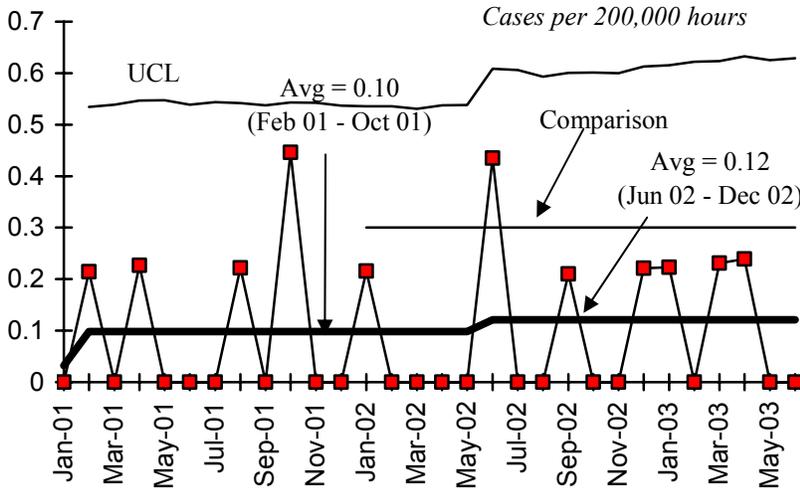
The focus of this section is to document trends in occurrences. Improvements in occurrence rates are due to the efforts of the PHMC workforce as they implement the Integrated Environmental Safety & Health Management System, work towards achieving Voluntary Protection Program "star" status, and accomplish work through Enhanced Work Planning. Safety and health statistical data is presented below. The safety charts are reported according to Occupational Safety and Health Administration (OSHA) standards.

**Total OSHA Recordable Case Rate:** The FH Team OSHA Recordable Rate remains stable at the 1.5 baseline average. Significant improvement is necessary to achieve the .85 rate goal by yearend.



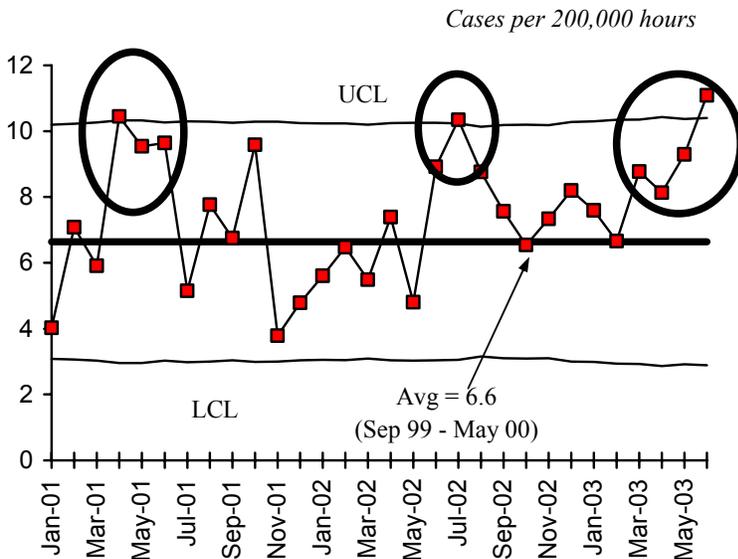
Increased focus on workplace safety and project safety improvement plans is ongoing.

**OSHA Days Away From Work (DAFW) Case Rate:** The DAFW baseline average remains at 0.12.



CY 2002 = 0.09  
 CY 2003 = 0.12  
 DOE Complex Comparison Average = 0.30 (CY02)  
 The Safe Hours total is currently 2,516,727 hours.

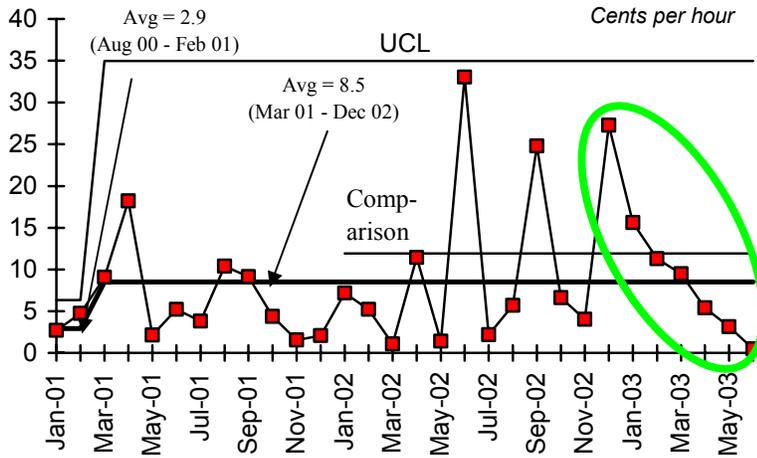
**First Aid Case Rate:**



First Aid Rate undergoes seasonal cycles. There is a definite increasing trend this year, without as much of a winter lull as has been experienced in the past. Some of the increase is related to summer injuries, but much of the increase is in strains, sprains, and pain.

Fiscal year calculations are not included as DOE does not publish a comparison rate, and comparisons of partial fiscal year data to prior years would not be appropriate due to the routine cyclical trends in the data.

## Safety Cost Index:



CY 2002 = 10.8  
 CY 2003 = 7.7  
 DOE Complex Comparison = 11.9  
 FH has reviewed past Restricted Work cases that are still incurring restricted time, and has referred several for medical reevaluation.

The past 7 months in a row are all decreasing, a significant improving trend.

## GOLD METRICS

Measure/Units		FY03 1-Qtr	FY03 2-Qtr	Apr 03	May 03	Jun 03	FY03 3-Qtr	FY03 Totals to Date	FY03 4-Qtr	FY03 Total
Plutonium Metal or Oxide packaged for long-term storage (# of containers) *	Planned	500	500	-	-	-	500	1,500	500	2,000
	Actual	200	200	-	-	-	500	900	-	900
Plutonium Metal or Oxide packaged for long-term storage (# of containers)	Planned	619	619	178	195	347	720	1,958	1,115	3,073
	Actual	475	667	195	193	341	729	1,871	-	1,871
Plutonium or Uranium Residues packaged for disposition (kg/bulk) *	Planned	413	421	-	-	-	61	895	-	895
	Actual	580	202	-	-	-	28	810	-	810
Plutonium or Uranium Residues packaged for disposition (kg/bulk)	Planned	657	76	40	133	-	203	936	-	936
	Actual	641	141	5	3	20	28	810	-	810
Transuranic Waste shipped for disposal at WIPP (cubic meters) *	Planned	9	9	-	-	-	30	48	30	78
	Actual	9	9	-	-	-	126	144	-	144
Transuranic Waste shipped for disposal at WIPP (cubic meters) *	Planned	9	9	-	-	-	30	48	30	78
	Actual	8	8	25	50	45	120	137	-	137
Spent Nuclear Fuel packaged for final disposition (MTHM) *	Planned	324	146	-	-	-	197	667	188	855
	Actual	300	186	-	-	-	183	669	-	-
Spent Nuclear Fuel packaged for final disposition (MTHM)	Planned	328	146	-	-	-	-	474	176	649
	Actual	300	188	62	86	43	190	678	-	-
Low-Level and Mixed Low-Level Waste disposed (cubic meters) *	Planned	712	1,191	-	-	-	1,465	3,368	2,169	5,537
	Actual	916	383	-	-	-	840	2,139	-	-
Low-Level and Mixed Low-Level Waste disposed (cubic meters)	Planned	712	1,191	-	-	-	1,465	3,368	2,169	5,537
	Actual	916	383	196	336	169	701	2,000	-	-
Nuclear Facility Completions (# of facilities)	Planned	2	-	-	-	-	-	2	-	2
	Actual	2	-	-	-	-	-	2	-	-
Nuclear Facility Completions (# of facilities)	Planned	2	-	-	-	-	-	2	-	2
	Actual	2	-	-	-	-	-	2	-	-
Industrial Facility Completions (# of facilities)	Planned	-	-	-	-	-	-	-	2	2
	Actual	-	-	-	-	-	2	2	-	-
Industrial Facility Completions (# of facilities)	Planned	-	-	-	-	-	-	-	2	2
	Actual	-	2	-	-	-	-	2	-	-

NOTE: Metrics in "gold" color are RL/HQ; Metrics in "white" color are FH, and reflect the unit calculations from the FH/RL contract, which differ from the RL/HQ unit calculations

## FY 2003 FH FUNDS VS. SPEND FORECAST (\$000)

This chart reflects the FH organizational structure. This breakout is necessary to provide FH project managers with information specific to their areas of responsibility and accountability and to facilitate effective management of the funds within their control (obligated to the PHMC).

Sub-project	PBS	Funding Guidance FY 2003	May FY 2003 Fiscal Year Spend Forecast	Control Point		
				Project Completion	Post 2006	Other
Spent Nuclear Fuel	RS03	\$164,422	\$164,500	(\$78)		
Central Plateau Remediation	RC06	\$18,488	\$18,352	\$136		
	RS01	\$153	\$209		(\$56)	
	CP01	\$34,024	\$34,875		(\$851)	
	SC01	\$2,439	\$2,101		\$338	
	SS03	\$21,089	\$19,212		\$1,877	
	SS04	\$3,217	\$3,135		\$82	
	<b>Total CP</b>		<b>\$79,410</b>	<b>\$77,884</b>	<b>\$136</b>	<b>\$1,390</b>
Plutonium Finishing Plant	CP03	\$109,272	\$108,839	\$433		
Fast Flux Test Facility	CP04	\$38,172	\$37,668			\$504
Advanced Reactor Transition	RC03	\$2,213	\$1,568			\$645
Waste Management	CP02	\$111,450	\$113,250	(\$1,800)		
Landlord and Site Services	SS02	\$61,583	\$60,237	\$1,346		
Site Systems & Regulatory Analysis	SS01	\$14,353	\$14,159		\$194	
HAMMER	SS05	\$4,938	\$4,915		\$23	
Safeguards and Security	SS-D	\$47,982	\$47,187			\$795
<b>Total FH</b>		<b>\$633,795</b>	<b>\$630,207</b>	<b>\$37</b>	<b>\$1,607</b>	<b>\$1,944</b>

## ISSUES

### Spent Nuclear Fuel

**SNF Project SWS – K East:** TPA Milestone (M-34-08) to begin K East sludge movement by December 31, 2002, is behind schedule. The contractor ORR started April 23, 2003. An operational pause was called on April 27, 2003, due to procedural deficiencies, technical basis deficiencies, and readiness preparation. The SNF Project continues to focus on the resolution of SWS technical issues and concerns associated with the operational pause of the Contractor ORR. Corrective actions in Operations, technical baseline verification, and Readiness Self Assessment verification are nearly complete to support the declaration of readiness to resume the Contractor ORR the week of July 21, 2003, and the ultimate commencement of sludge removal in August 2003.

**Fuel Production – FTS Shipments:** Removal of all K Basin fuel by July 31, 2004, is based upon the completion of FTS shipments by January 31, 2004. As of July 21, 2003, the project is one shipment (ten canisters) ahead of schedule. The project commenced 24/7 FTS Operations on July 14, 2003, and continues to focus on production and equipment issues to regain its schedule. Enhancements to the FTS annex and basin cooling systems have been completed, FTS jackscrew drives are being replaced and continuously monitored, and NCO training continues in support of the 24/7 schedule.

## ISSUES, CONTINUED

### Central Plateau Remediation Project

**233-S Facility D&D:** Accelerated activities for the demolition of 233-S are in progress to complete the project by September 30, 2003. A revised execution plan has been developed to support the accelerated schedule. The remainder of highly contaminated waste has been removed, which has enabled the downgrade of the facility from Hazard Category 3 to Radiological. Size reduction of scaffolding, floor grouting, and fixative application has been completed; and trailers have been relocated outside the constructed zone.

The Request for Proposal for a demolition contract was issued on July 2, 2003. Nine vendors have responded with an expression of interest. Contract award is scheduled for July 22, 2003.

### Plutonium Finishing Plant Project

**Shipment of the first 3013 containers to the Savannah River Site (SRS):** PFP continues working with DOE (RL, HQ and SRS) to resolve and complete all activities needed to make the first shipment of material from PFP to SRS.

### Waste Management Project

**Receipt of Administrative Order on Washington Hazardous Waste Management Act and Dangerous Waste Regulation:** Significant acceleration of retrieval, designation, treatment and certification of MLLW and TRU waste is required. The stay was extended through August 5, 2003, for section II.C.ii. An extension to section II.A.ii has been granted for the delivery of the Sampling and Analysis Plan of burial ground 218-W-4C from July 31, 2003, until August 12, 2003. Until negotiations are concluded, the terms of the Order remain in effect and are difficult, if not impossible, to meet based on current and planned waste retrieval, designation, treatment, and certification capabilities for MLLW and TRU waste. Significant impacts include requiring additional funding above the current baseline to execute the new work scope and the risk of being subject to enforcement by Ecology if the terms are not met.

**TRU Program Acceleration:** Increase production rates for TRU waste certification and shipment to the WIPP.

- Add bargaining unit resources at the Waste Receiving and Processing (WRAP) Facility to allow parallel TRU characterization efforts. Twenty-two of the originally planned 40 bargaining unit resources have been added to date. Recent efficiency improvements at WRAP have reduced the need for the entire complement of resources. Due to budget constraints, the addition of the remaining personnel is being put on hold, subject to further evaluation next month.
- Augment Headspace Gas analytical capability through use of the Idaho National Environmental and Engineering Laboratory (INEEL). Procedure changes and implementation are expected to be in place by the end of July 2003.
- Certify the Sand Slag & Crucible (SS&C) waste stream and start shipments to WIPP in May 2003. The Waste Stream Profile Form was approved on schedule by the Carlsbad Area Field Office and the first SS&C shipment was completed on May 27, 2003. Ten SS&C shipments have now been completed, which finishes that shipping campaign (except for a partial remaining shipment that will be scheduled at a later date).

## **ISSUES, CONTINUED**

- Accelerated Process Line implementation: Both the non-destructive assay (NDA) unit and the non-destructive evaluation (NDE) unit have arrived on site. Both units are being temporarily located outside the 2403 building at CWC until the modifications at 2404-WC are complete later this summer. Calibration of the NDA unit began this week, and the NDE unit was powered up and successfully passed its leak check. RL has indicated that we can process drums through these units as part of their certification effort under the existing National Environmental Policy Act (NEPA) Categorical Exclusion; however, there is no NEPA coverage for continued operations. The delay in the Solid Waste Environmental Impact Statement will have a significant impact.
- Modify the 2404-WC facility by adding a Heating, Ventilation and Air Conditioning system for storage of drums (at temperature) prior to head-gas sampling. Construction is progressing well and is scheduled for completion by the end of August 2003.
- Implement solids sampling at the Plutonium Finishing Plant (PFP). Procedures and training are in place and were evaluated as part of the June 2003 audit. This effort is necessary to complete the characterization of existing (Hanford ash) and future PFP-generated S3000 Pipe Over-pack Containers. Preliminary arrangements with INEEL have been made for receipt and analysis of *Solids* sampling. FH intends to send Hanford and Rocky Flats Ash samples to INEEL in August.

**Buried TRU Drum Retrieval:** Initiate TRU drum retrieval by October 2003.

The Safety Evaluation Report was transmitted on June 24, 2003. RL stated in the transmittal letter that a Readiness Assessment (RA) will not be adequate. FH must respond within 30 days as to which of two options (either an IVR on Low-Level Burial Grounds Master Documented Safety Assessment controls followed by TRU Retrieval RA, or an Operational Readiness Review) will be used. The FH response letter stating an IVR will be used is in the approval cycle. The IVR is scheduled for early September.

- Approval to allocate personnel/resources to project: The staffing plan is approved and hiring is proceeding.
- Mobilize drum venting equipment/integrated demonstration by August 2003.
- Complete regulator negotiations and implement the outcome of the TPA M-91 negotiations.
- Start RA contractor review by September 2003.
- Final RL RA approval/startup initiated by October 2003.