

# PHMC CONTRACT OVERVIEW

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A Nuclear Chemical Operator moving a loaded 9975 (type B shipping container used to package/ship 3013 containers)



Accelerated Category 3  
Low Level Waste  
Stabilization



Working Safely



*Sludge Retrieval and Disposition -  
Test loading large diameter  
container into casks at K Basins*

## OVERVIEW

This section of the report is intended to provide an executive-level performance overview. Unless otherwise noted, all information is as of the end of March 2004.

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; and overviews of safety and critical issues that identify the high-level challenges to achieving cleanup progress.

**Baseline Adjustment:** FH is in the process of preparing a baseline change request (baseline adjustment). This baseline adjustment will incorporate FY 2004 funding reductions into the current contract. It will also reflect revised RL guidance on what work scope should be accelerated and deferred during the contract performance period.

## NOTABLE ACCOMPLISHMENTS

### Nuclear Materials Stabilization and Disposition (Project Baseline Summary [PBS] RL-0011)

#### Disposition Special Nuclear Material (SNM)

Tri-Party Agreement (TPA) milestone M-83-13, "Complete Repackaging of PFP Mixed Waste Residues and Ship To CWC," was completed March 11, 2004, six weeks ahead of schedule. Completion of this milestone is associated with the final shipment of residue material packaged in pipe overpack containers to the Central Waste Complex (CWC).

#### Disposition the Plutonium Finishing Plant (PFP) Facility

**Transition 232-Z Facility:** The 232-Z Removal Action Work Plan was transmitted to FH, the Environmental Restoration Disposal Facility, and RL on March 15, 2004. RL comments, received March 24, 2004, are currently being incorporated.

The Data Quality Objective and the Sampling Analysis Plan for 232-Z were completed and submitted to RL. RL comments are being resolved with approval expected in mid-April. These documents define the facility's characterization approach and needs to meet the Engineering Evaluation/Cost Analysis (EE/CA) disposition and disposal option. Sampling will begin when the 232-Z Justification for Continued Operations is approved.

**Transition 236-Z Facility:** The PD-4 system (remote dose rate instrument) was received from the Pacific Northwest National Laboratory. This system will be beneficial in performing remote Plutonium Reclamation Facility canyon dose rate measurements prior to canyon entry.

**Transition 241-Z Facility:** The activity-based management review plan supporting the start of radiologically intrusive transition work in 241-Z continued in March and is now 90 percent complete. This review ensures readiness to proceed with new or modified program work during the various phases of the 241-Z Deactivation and Decommissioning (D&D) effort.

**Legacy Plutonium Holdup Removal and Disposition:** The invoice for the second increment of legacy holdup material was submitted for RL approval on March 10, 2004, three weeks ahead of schedule.

## NOTABLE ACCOMPLISHMENTS (CONTINUED)

**Laboratory Transition:** A peer review of the PFP non-destructive analysis program was completed April 1, 2004, by Rocky Flats Environmental Technology Site and Los Alamos National Laboratory personnel. The review was acceptable to all parties. A final report is scheduled to be issued on April 23, 2004.

### Spent Nuclear Fuel (SNF) Stabilization and Disposition (PBS RL-0012)

**Sludge Disposition Alternatives:** SNF continued its efforts to implement the accelerated sludge disposition option, i.e., retrieve and immobilize sludge in preparation for disposal at the Waste Isolation Pilot Plant (WIPP). An engineering study was initiated with British Nuclear Fuels Laboratory to develop the immobilization and packaging formulation for the KE and KW sludge, excluding the KE North Load Out Pit (NLOP) sludge. The immobilization and packaging will be designed to meet the draft remote-handled transuranic waste acceptance criteria. Work also continued at Pacific Northwest National Laboratory to complete the design and construction to immobilize and package the NLOP sludge in accordance with WIPP's existing contact-handled waste acceptance criteria. Startup of the NLOP sludge retrieval and processing will follow the completion of a DOE-approved Operational Readiness Review (ORR), currently projected to be completed in May 2004.

**Fuel Transfer System (FTS):** SNF completed eight FTS shipments (80 canisters) during the month of March. As of April 16, 2004, a cumulative total of 290 FTS shipments (2,898 canisters) have been completed.

**Multi-Canister Overpack (MCO) Welding at the Canister Storage Building:** SNF welded and "N" stamped 18 MCOs during March. As of April 16, 2004, a cumulative total of 170 MCOs were welded and "N" stamped, which is 17 MCOs ahead of the baseline schedule.

**Deactivation:** The Grout Performance Specification for the K East Basin Discharge Chute was issued. A Memorandum of Understanding was drafted to document agreements between FH and the Environmental Restoration Contractor regarding requirements related to the reactor-side of the discharge chute. Additionally, a letter has been drafted to obtain formal agreement with the United States Environmental Protection Agency (EPA) that the KE Basin Discharge Chute grouting will constitute completion of TPA Milestone M-34-23. Procurement of the wash/load-out station and associated equipment in K East was initiated.

### Nuclear Facility D&D, Remainder of Hanford (RL-0040) and Nuclear Facility D&D, River Corridor Contract Project (PBS RL-0041)

#### DEACTIVATION AND DECOMMISSIONING

**233-S Demolition:** As of April 16, 2004, a total of 27.5 of 29 wall slabs have been removed from the facility. The shear-and-track hoe used to demolish the lower level of the building has been decontaminated and is ready for transportation back to CR/X Environmental Services.

## NOTABLE ACCOMPLISHMENTS (CONTINUED)

**U Plant Canyon Demolition Ready:** The Feasibility Study/Proposed Plan (FS/PP) for the Canyon Disposition Initiative (U Plant) is in final regulatory legal review by the EPA and the State of Washington Department of Ecology. Resolution of comments received to date will require performance modeling of the final waste constituents/structure to receive waivers/variances to land disposal restrictions and landfill minimum technical requirements. This is expected to delay completion of the FS/PP for the public comment period by approximately two months. Planning has been initiated to focus fiscal year (FY) 2005/2006 D&D activities on U Plant Ancillary facilities.

### Waste Site Remediation

**U Plant Regional Acceleration:** As of March 27, 2004, 29 of 32 planned FY 2004 direct pushes have been completed. Direct pushes of six-inch drive casings were being performed as part of the characterization and geophysical logging of the U Plant high risk waste sites.

**BC Crib Acceleration:** FH submitted the FS/PP for the Tank, Scavenged, and Fission Product-Rich Operable Units (200-TW-1, 200-TW-2, and 200-PW-5) to the regulators on March 30, 2004, to complete TPA Milestone M-015-41C one day ahead of schedule.

## Nuclear Facility D&D, Fast Flux Test Facility (FFTF) (PBS RL-0042)

### Fuel Handling and Interim Examination and Maintenance (IEM) Cell Operations:

Movement of 57 fuel assemblies from the Fuel Storage Facility vessel to the Interim Decay and Storage (IDS) vessel commenced. This is in preparation for resumption of fuel offload to Interim Storage Casks. The IEM Cell Training Facility in the 309 building was restored to service this month, allowing operators to begin valuable hands-on training in preparation for the upcoming fuel disassembly processing campaign.

**Primary Sodium Drain:** Fabrication was completed of the second drill string required to drill a hole through the reactor vessel core support structure. The design of the pump assembly was completed, and a formal design review is scheduled for April. The pumping chamber portion of the Reactor Vessel Drain Pump was received from the vendor (the associated control skid was received in February). The pumping chamber will be fabricated (in-house) into an approximately 60-foot long pump assembly. This pump assembly will be used to remove non-drainable sodium from the reactor vessel inlet plenum. A major field work activity was initiated to restore operability of the trace heating on the primary drain system; this work will continue in April.

**Polychlorinated biphenyl (PCB) Transformer Removal:** The X-26 transformer has been disconnected, drained, and shipped off-site for disposal. This is the fifth of nineteen PCB transformers planned to be removed during the D&D process.

## Solid Waste Stabilization and Disposition (PBS RL-0013), Soil and Water Remediation Groundwater/Vadose Zone (PBS RL-0030), and Operate Waste Disposal Facility (PBS RL-0080)

**Transuranic (TRU) Waste Program:** Four shipments to the WIPP totaling 21 cubic meters (m<sup>3</sup>) were completed in March. A total of 373 m<sup>3</sup> have been shipped since FY 2003, versus 178 m<sup>3</sup> planned.

## NOTABLE ACCOMPLISHMENTS (CONTINUED)

**TRU Waste Retrieval:** A total of 139 m<sup>3</sup> of suspect TRU waste was retrieved in March. For FY 2004, a total of 230 m<sup>3</sup> has been retrieved, versus 84 m<sup>3</sup> planned.

**Mixed Low Level Waste (MLLW) Treatment:** FH dispositioned 269 m<sup>3</sup> of MLLW in March. Since FY 2003, a total of 3,061 m<sup>3</sup> has been dispositioned, versus 2,480 m<sup>3</sup> planned. Of this volume, 1,897 m<sup>3</sup> is from disposal of 183-H Basin waste at the Environmental Restoration Disposal Facility.

**Groundwater Well Decommissioning:** FH finished casing perforation of 73 wells and pressure grouting of 70 wells being decommissioned. FH completed surface cleanup to complete decommissioning of 42 wells. Through March, 108 wells have been decommissioned as scheduled.

## ISSUES

### Nuclear Materials Stabilization and Disposition

**SNM De-inventory Delay:** RL's direction to delay the PFP SNM de-inventory will require a major revision of the PFP Closure Project baseline, including Performance Incentive objectives.

### SNF Stabilization and Disposition

**Sludge Retrieval and Disposition:** The TPA milestone (M-34-08) to begin K East sludge movement by December 31, 2002, was missed. FH and RL have conducted several briefings to the EPA on the proposed sludge remedy. A Time Critical Remedial Action document has been prepared to allow the disposition of the NLOP sludge retrieval and treatment prior to obtaining a modification to the Comprehensive Environmental Response, Compensation and Liability Act Record of Decision. Additional discussions, including a new set of TPA milestones set to the new accelerated sludge disposal schedule (if necessary), are in process.

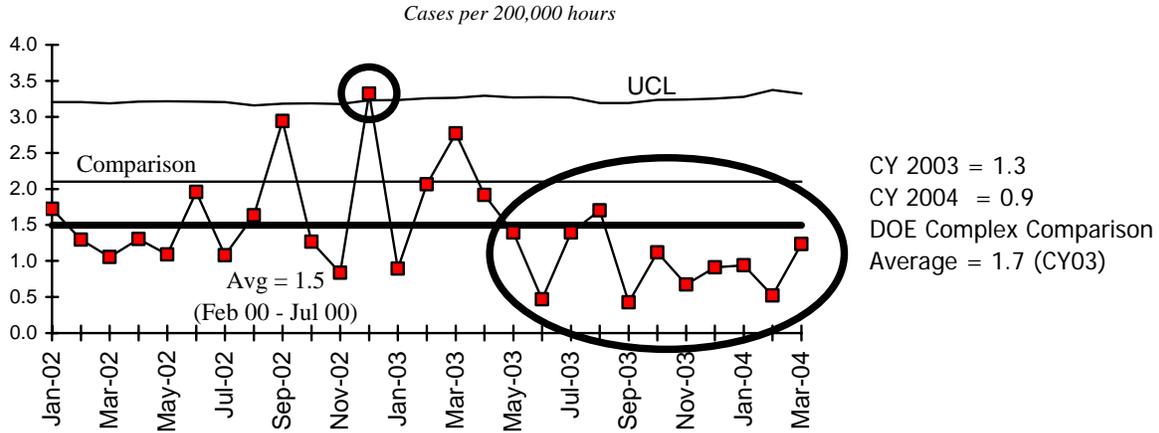
RL has directed FH to proceed with a full ORR for the NLOP sludge retrieval and treatment. The original schedule was based upon a contractor readiness assessment. This change in direction will delay the schedule by a minimum of two months.

**Fuel Production:** As of April 14, 2004, SNF is approximately three weeks behind the FTS production schedule and six weeks behind the MCO production schedule. The combination of degraded fuel and equipment malfunctions has jointly contributed to the FTS and MCO shipment delays. The degraded fuel requires additional washing cycles, causes water treatment filters to plug more frequently, and has resulted in the creation of airborne radiation areas for virtually all work in the basins, including under-water work. FH has established a Process Focus Group to identify process improvements that can improve production efficiency despite the degraded fuel challenges.

## SAFETY OVERVIEW

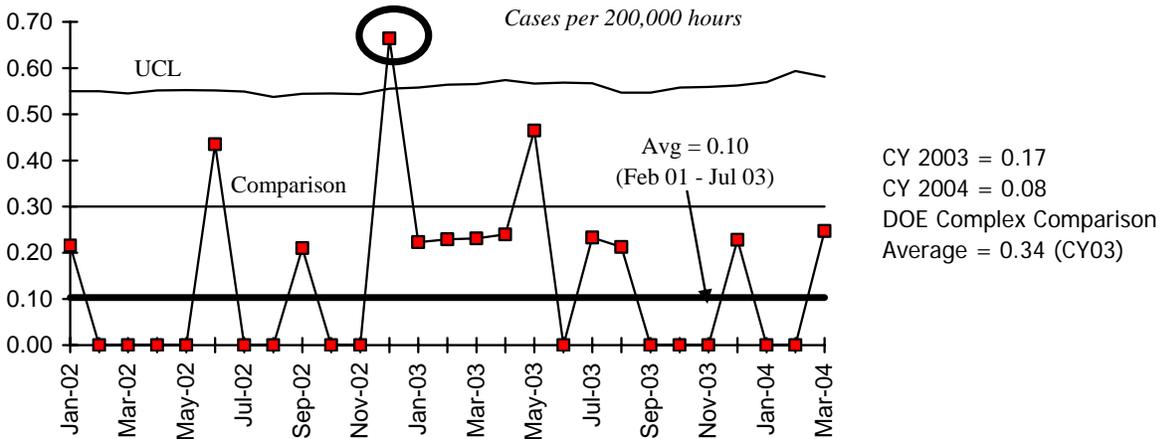
The focus of this section is to document trends in occurrences. FH continues to focus on improving safety through the efforts of the PHMC workforce as they implement the Integrated Environmental Safety and Health Management System, work towards achieving Voluntary Protection Program "star" status, and 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 OSHA Recordable Case Rate has been below the baseline average for the past seven months in a row, and 10 of the past 11 months have been below average. These are both signals of a significant decreasing trend.

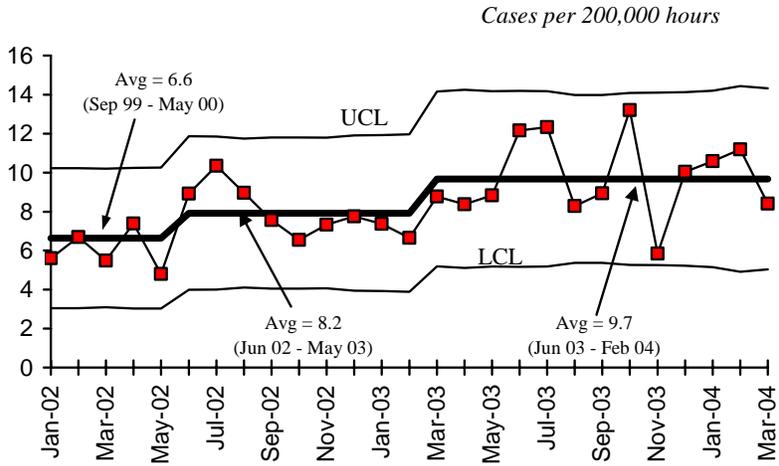


Continuing focus on workplace safety and project safety improvement plans is ongoing.

**OSHA Days Away From Work (DAFW) Case Rate:** The safe hours total is 731,287 hours. There was a new DAFW case in March 2004, and a case from December 2003 was reclassified to DAFW.

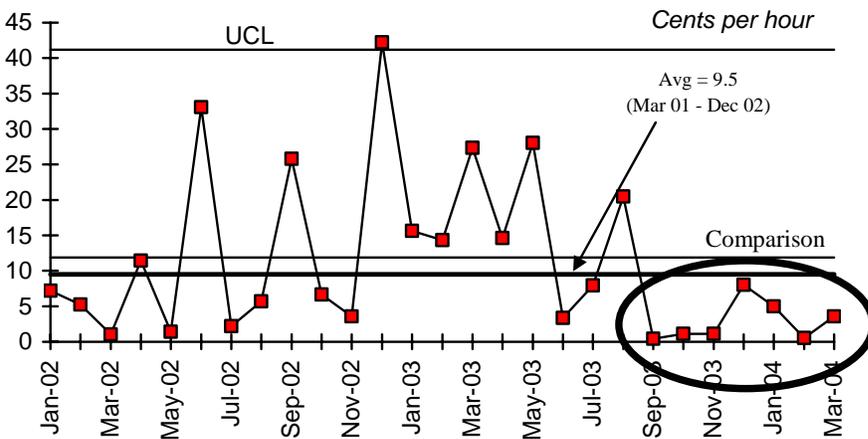


**First Aid Case Rate:** The First Aid Rate undergoes seasonal cycles. However, there was a definite increasing trend throughout the past year. Some of the increase is related to summer injuries, but much of the increase is in Strains, Sprains, and Pain. The chart has a new baseline average and control limits due to these increases.



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:** The FH Team DOE Safety Cost Index has been below the baseline average for past seven months, a statistically significant decrease.



CY 2003 = 11.8  
CY 2004 = 3.1  
DOE Complex Comparison = 9.96  
The past seven months have been below average, a statistically significant decrease.

## FY 2004 FH FUNDS VS. SPEND FORECAST (\$000)

PBS Title	PBS	FY 2004 Anticipated Funding with carryover	FY 2004 Fiscal Year Spend Forecast	Control Point		
				2012 Accelerated Completion	2035 Accelerated Completion	Other
Nuclear Materials Stabilization & Disposition	RL-0011	163,438	153,644	9,794		
SNF Stabilization & Disposition	RL-0012	180,531	190,758	-10,227		
Solid Waste Stabilization & Disposition	RL-0013	136,604	138,004		-1,400	
Safeguards & Security	RL-0020	57,105	57,105			0
Soil & Water Remediation, Groundwater/Vadose Zone	RL-0030	35,895	36,541		-646	
Nuclear Facility D&D, Remainder of Hanford	RL-0040	73,467	67,684		5,783	
Nuclear Facility D&D, River Corridor Closure	RL-0041	12,435	11,541	894		
Nuclear Facility D&D, FFTF Project	RL-0042	38,413	38,300			113
Operate Waste Disposal Facility	RL-0080	3,920	2,899		1,021	
<b>Total FH</b>		<b>\$701,808</b>	<b>\$696,476</b>	<b>\$461</b>	<b>\$4,758</b>	<b>\$113</b>

**NOTE:** Numbers are rounded to the nearest \$K. FH is taking numerous proactive actions to overcome projected FY 2004 funding challenges. RL-0042 reflects projected contract extension through August.

## FY 2004 SCHEDULE/COST PERFORMANCE (\$K)

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

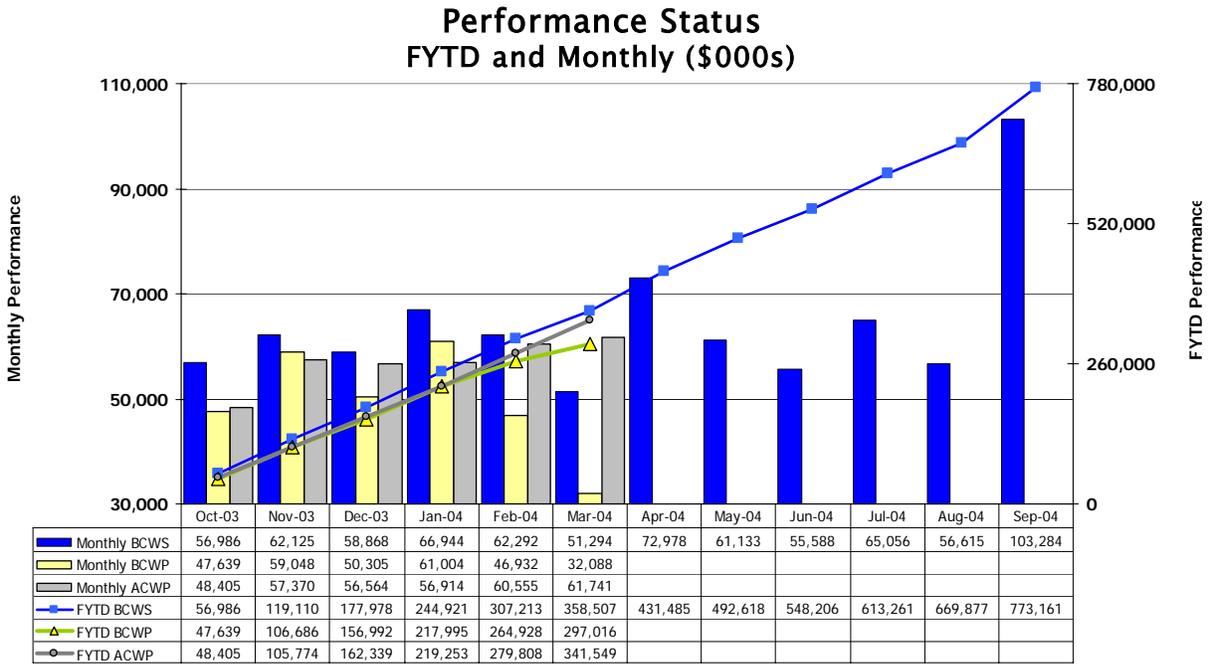
Fiscal Year To Date (\$K)	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-0011 Nuclear Materials Stabilization & Disposition	79,126	65,170	63,387	-13,956	-18%	1,783	3%	172,859
RL-0012 SNF Stabilization & Disposition	80,880	45,150	90,891	-35,730	-44%	-45,741	-101%	161,739
RL-0013 Solid Waste Stabilization & Disposition	65,201	63,915	62,883	-1,286	-2%	1,032	2%	145,862
RL-0020 Safeguards & Security	23,619	23,619	24,490	0	0%	-871	-4%	50,000
RL-0030 Soil & Water Remediation, Groundwater/Vadose Zone	15,772	15,632	15,294	-140	-1%	338	2%	36,142
RL-0040 Nuclear Facility D&D, Remainder of Hanford	36,205	27,122	31,064	-9,084	-25%	-3,943	-15%	85,549
RL-0041 Nuclear Facility D&D, River Corridor Closure	5,444	5,582	5,567	138	3%	15	0%	11,370
RL-0042 Nuclear Facility D&D, FFTF Project	20,439	18,949	18,047	-1,490	-7%	901	5%	43,842
RL-0080 Operate Waste Disposal Facility	1,336	1,342	1,167	6	0%	175	13%	3,257
<b>Subtotal Sub-project Work scope</b>	<b>328,023</b>	<b>266,481</b>	<b>312,792</b>	<b>-61,543</b>	<b>-19%</b>	<b>-46,311</b>	<b>-17%</b>	<b>710,620</b>
4.4.6.1+2 Request for Services & National Programs	7,023	7,023	6,839	0	0%	184	3%	14,290
4.4.6.3 Work Orders from PNNL	3,323	3,365	3,013	43	1%	352	10%	6,826
4.4.6.4 Work Orders from BHI	1,016	1,014	875	-2	0%	139	14%	1,561
4.4.6.5 & 6 Work Orders from BNI/HEHF	321	321	301	0	0%	20	6%	618
4.4.6.7 & 8 Work Orders from CH2M HILL	18,801	18,811	17,729	10	0%	1,082	6%	39,246
<b>Total Work For Others</b>	<b>30,484</b>	<b>30,535</b>	<b>28,757</b>	<b>51</b>	<b>0%</b>	<b>1,777</b>	<b>6%</b>	<b>62,541</b>
<b>Total FH Contract Work scope</b>	<b>358,507</b>	<b>297,016</b>	<b>341,549</b>	<b>-61,492</b>	<b>-17%</b>	<b>-44,533</b>	<b>-15%</b>	<b>773,161</b>

**NOTE:** PBS RL-0013, RL-0020, RL-0040 and RL-0041 exclude Work for Others associated with these PBSs, as Work for Others is reflected separately above. Numbers are rounded to the nearest \$K.

**Schedule Performance:** Fiscal year to date (FYTD) schedule performance reflects a -\$61,492K/-17% unfavorable schedule variance. The established threshold is +/-10% or \$1M. The significant schedule variances are discussed in the following sections: Nuclear Materials Stabilization and Disposition (Section B); Spent Nuclear Fuel Stabilization and Disposition (Section C); Solid Waste Stabilization and Disposition (Section F); Nuclear Facility D&D, Remainder of Hanford (Section D) and Nuclear Facility D&D, FFTF (Section E).

**Cost Performance:** FYTD cost performance reflects a -\$44,533K/-15% unfavorable cost variance. The established threshold is +/-10% or \$1M. The significant cost variances are discussed in the following sections: Nuclear Materials Stabilization and Disposition (Section B); Spent Nuclear Fuel Stabilization and Disposition (Section C); Solid Waste Stabilization and Disposition (Section F); Nuclear Facility D&D, Remainder of Hanford (Section D); and Work for Others (Section H).

## FY 2004 SCHEDULE/COST PERFORMANCE, 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 2004 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 approved during the year.

Fiscal year milestone performance (Enforceable Agreement, U.S. Department of Energy-Headquarters [DOE-HQ], and RL) shows two enforceable agreement milestones are overdue. The milestones are S04-02-205, *M-34-08 Begin K East Sludge Movement*, originally due December 31, 2002, and currently forecast for after completion of the RL-directed Operational Readiness Review. And WMP-04-005, *M-91-22 T Plant Ready to Receive Canister and Fuel Wash Sludge from K Basins*, originally due February 29, 2004, and currently scheduled to be deleted as part of the M-91 settlement.

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 2004
Enforceable Agreement	2	0	1	2	3	2	2	12
DOE-HQ	0	0	0	1	0	0	0	1
DOE-RL	2	0	0	2	2	1	1	8
Total FH	4	0	1	5	5	3	3	21

## GOLD METRICS

Note: RL/HQ metrics relate to the Integrated Planning and Accountability System (IPABS). IPABS quantities are reported monthly to DOE-HQ.

Measure/Units		1st Qtr	Jan 2004	Feb 2004	Mar 2004	FY 2004 To Date	2nd Qtr	3rd Qtr	4th Qtr	FY 2004 Total
Plutonium Metal or Oxide packaged for long-term storage (# of container equivalents)	Planned	600	200	100	-	900	300	-	-	900
	Actual	800	100	-	-	900	100	Complete		900
Plutonium or Uranium Residues packaged for disposition (kg/bulk)	Planned	-	-	176	-	176	176	-	-	176
	Actual	Completed in August 2003								
Transuranic Waste shipped for disposal at WIPP (cubic meters)	Planned	49	16	16	18	99	50	49	52	200
	Actual	72	28	13	21	134	61	-	-	134
Low-Level and Mixed Low-Level Waste disposed (cubic meters)	Planned	665	220	56	57	998	333	833	1,492	3,323
	Actual	658	262	334	323	1,576	919	-	-	1,576
Spent Nuclear Fuel packaged for final disposition (MTHM)	Planned	189	27	74	80	369	181	181	81	631
	Actual	160	55	53	26	293	134	-	-	293
Nuclear Facility Completions (# of facilities)	Planned	-	-	-	-	-	-	-	2	2
	Actual	1	-	-	-	1	-	-	-	1
Radioactive Facility Completions (# of facilities)	Planned	-	-	-	-	-	-	-	-	-
	Actual	2	-	-	-	2	-	-	-	2
Industrial Facility Completions (# of facilities)	Planned	-	-	-	-	-	-	-	3	3
	Actual	4	-	-	-	4	-	-	-	4

## GOVERNMENT FURNISHED SERVICE/ITEM (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. Currently 13 GFS/I are overdue from RL to FH.

NOTE: GFS/I data is through April 19, 2004.

## OVERDUE D&D GFS/I

Deactivation & Decommissioning				
Ref. ID	Item	Due	Impact	PI/Fee Impact
GF0009	Approve Action Memorandum for 224-B within 60 days of submittal of the 224-B EE/CA.	9/20/2003	<p>FH received new/unanticipated comment from EPA on 3/22/04 that has the potential to delay issuance of the Action Memorandum an additional 60 days. Comments require FH to address below grade remediation activities that were specifically negotiated in the Performance Incentive as not applicable to achieving the D&amp;D to slab-on-grade condition. Despite the fact that FH is now deferring the 224B demolition post contract period per RL priority guidance, this comment has the potential to impact other regulatory documents that are necessary to enable commencement of D&amp;D work in other PI's that are under consideration in the U Plant region. A revised projection for issuance of the Action Memorandum is TBD until additional discussion may be held with EPA. The delay of the 224B Action Memorandum will also delay 224B construction laydown yard activities.</p>	Potentially impacts PI S-5; however 224-B and T are not due until 9/30/06.

## OVERDUE D&D GFS/I, CONTINUED

GF0009	Approve Action Memorandum for 224-T within 60 days of submittal of the 224-T EE/CA.	9/28/2003	Similar to the update provided for 224-B, the unanticipated comments received on 3/22/04 impact issuance of the Action Memorandum for 224-T, that FH requires by March 29, 2004, to avoid impacting the project and FH's ability to meet performance incentive deliverables. While FH is now planning to defer the D&D of 224-T per RL prioritization guidance received 2/22/04, delay in issuance of the Action Memorandum will hamper FH's efforts to manage the workforce as the D&D of 233-S completes and permissions are gained for work at the U Plant region. However, should the current performance Incentive be retained, the approval of the Action Memorandum will not be critical path until June 15, 2004 when significant debris is being generated that would require disposal at ERDF. After June 15, 2004, any delay would impact field activities and impact (postpone) earning fee and anything after September 2004 would jeopardize (lose) earning fee (and create many other problems too) based on the current schedule and PI dates.	Potentially impacts PI S-5; however 224-B and T are not due until 9/30/06. If the action memorandum is not received by 3/29/04, then FH will realize an impact.
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## OVERDUE PFP GFS/I, CONTINUED

Plutonium Finishing Plant Closure				
Ref. ID	Item	Due	Impact	PI/Fee Impact
GF0020	Approve Supplement Analysis and Record of Decision amendment for PFP Weapon Grade and Fuel Grade material.	2/28/2003	<p>DOE has informed FH that PFP de-inventory completion is delayed until FY 2007. Revised HQ schedule shows the ROD issuance date slipping from 12/1/03 to 4/30/04.</p> <p>FH is updating the baseline to de-inventory, deactivate &amp; dismantle PFP by 9/30/09, as directed per RL 04-AMCP-0028, dtd. 11/3/03. Letter FH-0304315A R1, dtd 12/22/03.</p>	<p>PI S-3 Minimal near term impact, however, starting this quarter (1/4/04) the planned \$200K fee per quarter for the Pu shipments is impacted.</p> <p>Baseline update effort and associated PI revisions should mitigate impact.</p>
GF0027	Provide written direction to proceed with the design, construction and loading of an alternate on-site storage facility.	3/31/2003	<p>DOE has informed FH that PFP de-inventory completion is delayed until FY 2007. FH is evaluating alternatives for de-inventorying of the PFP to deactivate &amp; dismantle PFP by 9/30/09, as directed per RL 04-AMCP-0028, dtd. 11/3/03.</p> <p>FH issued a letter to DOE recommending the 2736-Z/ZB vaults be used for storage in the interim until completion of de-inventory in FY 2007. (Letter FH-0304315A R1, dtd 12/22/03)</p> <p>FH advises RL that alternate storage activities for SNM would have to be initiated 31 months in advance of the required PFP de-inventory completion date (Letter-FH-0400441A R1, dtd 3/16/04)</p>	<p>PI S-3 Impacts \$6.5M fee payment for removal of protected area by 12/30/05.</p> <p>Baseline update effort and associated PI revisions should mitigate impact.</p>

## OVERDUE PFP GFS/I, CONTINUED

GF0038	Approval of EE/CA for the Removal of the Contaminated Waste Recovery Process Facility, Building 232-Z	10/17/2003	Public comments received 2/2/04 are being evaluated. Should FH not receive approval by 4/30/04, impacts will be addressed.	PI S-5 232-Z work is ongoing. This is not anticipated to impact \$1.5M fee for D&D of 232-Z.
GF0027	Provide SST beginning 1 November 2003, at a rate to achieve an average of 16.5-truck and trailer shipments per quarter until de-inventory is completed or provide written direction to proceed with the design, construction and loading of an alternate on-site storage facility no later than March 31, 2003.	11/1/2003	Two shipments anticipated in FY 2004. Due to the ROD slip, the 1st SRS shipment scheduled for April 2004 is unlikely. Negotiating with TSA to reschedule the FY 2004 shipments after issuance of ROD. Six shipments anticipated in FY 2005. Routine monthly shipments would take place in FY 2006 / 2007. FH is updating the baseline to de-inventory, deactivate & dismantle PFP by 9/30/09, as directed per RL 04-AMCP-0028, dtd. 11/3/03.	PI S-3 Impacts \$4.5M fee for Pu shipments - \$1M for 1st shipment - Pu shipment increments starting in June (+/-)  Baseline update effort and associated PI revisions should mitigate impact.
GF0026	Approve one-time exception to ship FFTF fuel to SRS in M60 and RRSCs, or approve VA and deviation that supports disposition by co-mingling with irradiated fuels within 90 days of submittal.	12/10/2003	Revised scenario will be included in baseline update.	PI S-3 No near term impact  Baseline update effort and associated PI revisions should mitigate impact.
GF0013	Approve request for reconfiguration of the Building 234-5Z Material Access Area boundary	4/19/2004		

## OVERDUE WD GFS/I, CONTINUED

Waste Disposal/Groundwater Remediation				
Ref. ID	Item	Due	Impact	PI/Fee Impact
GF0080	Approve the 200 ETF Delisting Modification Petition for acceptance of unrestricted F039 multi-source leachate for Hanford's RCRA Subtitle-C disposal units.	1/31/2003	Estimate completion 9/30/04. Higher volume of "no path forward" waste at SCS if not received. Risk to final milestone.	PI S-4 There is no near term impact because FH obtained an EE/CA document approval which allowed FH to ship MLLW to the ERDF. The delisting petition is necessary, but the EE/CA obviated the need by 1/31/03.
GF0083	Approve Hanford Solid Waste EIS (Issue Record of Decision)	7/31/2003	Delayed due to transportation analysis concerns. Potential impacts to trench space, MLLW treatment schedules, and operational costs. FH anticipates the EIS ROD will be issued the in mid March of 2004.	PI S-4 No near term fee impact at this time.
GF0084	Authorize in-trench RCRA treatment, including alternative treatment of MLLW	9/1/2003	Higher volume of "no path forward" waste at CWC if authorization not received. Risk to final milestone. This authorization will be evaluated following approval of GF0083.	PI S-4 No near term fee impact at this time.

## OVERDUE WD GFS/I, CONTINUED

GF0067	Provide Accelerated Process Line (APL) equipment, personnel, and funding for WIPP certification and shipment to include: 2 drum nondestructive examination (NDE) units, 2 drum nondestructive assay (NDA) units, 2 headspace gas sampling and analysis units, 2 drum repackaging gloveboxes, and 1 mobile TRUPACT loadout station.	1/1/2004	<p>Only one HSGS, one NDA, and one NDE have been provided to date, however, it appears that DOE may withdraw these units. If withdrawn, then there will be a significant impact on achieving commitments for TRU shipment to WIPP.</p> <p>A plan to mitigate the impacts has been incorporated into the Company baseline adjustment currently in process with DOE. Does not affect 2004, but will have impact in 2005.</p>	<p>PI S-4</p> <p>The impact is being mitigated through the baseline adjustment process to be submitted May, 2004.</p>
GF0040	Gain concurrence NEPA/SEPA, RCRA permitting/NOC can start based on conceptual design.	3/31/2004		<p>PI S-3 3</p> <p>The impact is being mitigated through the baseline adjustment process to be submitted May, 2004.</p>

## CONTRACT DELIVERABLES

There are no current FH contract deliverables that are pending (for the next 30 days, including any open deliverables from prior periods). Currently two contract deliverables are overdue from FH to RL.

NOTE: All contract deliverable data is through April 19, 2004

## OVERDUE CONTRACT DELIVERABLES

Regulatory Compliance				
Ref. ID	Item	Due	Impact	PI/Fee Impact
CD0248	M-35-09D: Conduct biennial assessments of information and data access needs with EPA and Ecology. DOE will propose implementation schedules (TPA milestones) for enhancements as a result of the biennial assessments.	3/31/2004	TBD	TBD

Waste Disposal/Groundwater Remediation				
Ref. ID	Item	Due	Impact	PI/Fee Impact
CD0217	M-13-00N: 1 200 NPL RI/FS (RFI/CMS) work plans for the 200-UR-1, unplanned releases	12/31/2003	TPA Change Request M-013-00N was approved by the U.S. Env. Protection Agency, the St. of Wa, Dept. of Ecology, & the U.S. DOE, RL. This change package extended the submittal date by six months from 12/31/03 to 6/30/04 & modified the scope of the milestone. This is not reflected in the PHMC nor pending contract modification.	

## CONTRACT DELIVERABLES, 30-DAY LOOK AHEAD

Waste Disposal/Groundwater Remediation				
Ref. ID	Item	Due	Impact	PI/Fee Impact
CD0241	M-26-01N: Annual Hanford land disposal restrictions report to cover the period from 1-1 of the previous year through 12-31 of the reporting year.	4/30/2004	TBD	TBD