

# PHMC Contract Overview

R. G. Gallagher, President and Chief  
Executive Officer/(509) 376-3576

*New "hat box" sludge vacuuming end effector to be tested at K East*



*Hydraulic hammer rig (drill) at Z-9 crib*



*200 W-42  
Vitrified Clay Pipe (VCP) removal*



*241-Z Cell D-5 Clean-up*



*Mixed Low Level Waste (MLLW)  
trench in 200W Area*



*Removal  
of core  
component  
pots  
from  
interim  
decay  
storage*

## Overview

This section of the report is intended to provide an executive-level performance overview. Unless otherwise noted, all information is as of June 2006.

Included in this section are descriptions of significant accomplishments considered to have made the greatest contribution toward safe, timely, and cost-effective cleanup; 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.

## Notable Accomplishments

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

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

- Continued shipment of Standard Waste Boxes (SWBs) containing VIPAC fuel pins, shipping 268 pins in June and bringing total pins shipped to 784
- Completed 232-Z facility demolition activities
- Completed 241-Z Cell D5 and Cell D8 Resource Conservation and Recovery Act/Comprehensive Environmental Response, Compensation, and Liability Act (RCRA/CERCLA) end points
- Completed the External Independent Review (EIR) of the RL-0011 Planning Case, performed by Systematic Management Services, Inc., for DOE-HQ's Office of Engineering and Construction Management
- Completed fire systems modifications in 2736-ZB facility

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

**K Sludge Retrieval and Transfer:** K East Basin sludge vacuuming has completed 5,713 cubic feet (5,713 of 8,192 cubic feet, 113 ahead of plan). Also, the vacuuming of the Dummy Elevator Pit (DEP) was completed.

**K West Basin:** Maintained ahead-of-schedule progress in debris removal (904 of 914 debris units completed).

**The Hose-in-Hose (HIH) project:** Completed Integrated Acceptance Test sections with exception of operator runs and restoration.

**Sludge Treatment Project (STP):** Submitted recommendation regarding need to reevaluate the Cold Vacuum Drying Facility soil column to RL for concurrence and re-initiated Mobile Solidification System (MOSS) fabrication.

## Notable Accomplishments, continued

### Solid Waste Stabilization and Disposition (PBS RL-0013) and Operate Waste Disposal Facility (PBS RL-0080)

**Transuranic (TRU) Waste Program:** Ten shipments to the Waste Isolation Pilot Plant (WIPP) totaling 70 cubic meters (m<sup>3</sup>) were completed in June. A backlog of 424 m<sup>3</sup> (138 payloads) of certified waste was available for shipment as of June 30, 2006.

**TRU Waste Retrieval:** A total of 161 m<sup>3</sup> of suspect TRU waste was retrieved in June for a cumulative total of 3,788 m<sup>3</sup>.

**Mixed Low Level Waste (MLLW):** The Project dispositioned 98 m<sup>3</sup> of MLLW during June for a cumulative total of 5,360 m<sup>3</sup>.

### Soil and Water Remediation Groundwater/Vadose Zone (PBS RL-0030)

**Well Drilling:** All fifteen of the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement [TPA])-required Calendar Year (CY) 2006 wells are complete, as are ten of the CY 2007 wells. One TPA well is in progress. In non-TPA drilling, two wells are in progress for bio-remediation studies at 100-H, and support is being provided to the Office of River Protection and Pacific Northwest National Laboratory (PNNL) to drill four deep seismic boreholes needed for Vitrification Plant construction. Fourteen TPA and non-TPA wells are in planning for late spring/summer drilling.

**Cleaning up Chromium Along the River:** In the 100-K Area, the design for a new chromium pump-and-treat system near the K West Reactor is complete. Procurement of the building and balance of plant is in progress. Construction should begin in early August, with the treatment skid to be delivered to the site in mid-August. Near the end of June, RL formally authorized activities to expand the existing treatment system in the 100-K Area to augment the existing redox manipulation barrier in 100-D with micron-sized iron, and to perform a treatability test of a new technology for chromium cleanup (electrocoagulation) in the 100-D Area.

**Decommissioning Old, Unused Wells:** A contract awarded in March to decommission sixty-four wells using mechanical casing perforation techniques was completed in June, three months ahead of schedule. One well was removed from the contract because it was found to have a kink, or bend, in the casing that prevented the mechanical perforating equipment from being inserted down the well.

**Cleaning Up Strontium-90 Along the River:** A pilot test was initiated on May 31, 2006, to evaluate injection of a phosphate mineral into the 100-N groundwater to create a barrier that will grab onto strontium-90 and hold it in place as it naturally decays. The test successfully demonstrated that the phosphate could be injected from a single well out to all the test monitoring wells, that the microbes in the aquifer quickly respond and break down the citrate coating on the phosphate to allow it to drop out into the aquifer, and that a rapid decrease in strontium-90 occurs in the injection well. Of concern was an increase in strontium-90 in a number of the monitoring wells. The current belief is that the phosphate solution has ions that compete with strontium until they naturally flush out of the system. The solution chemistry is being adjusted to minimize or delete the potential for this effect, and another pilot test will be run later in this fiscal year in another well in the barrier.

## **Notable Accomplishments, continued**

### **Nuclear Facility D&D, Remainder of Hanford (PBS RL-0040)**

#### **Central Plateau Remediation Projects:**

##### **U Plant Waste Sites Remediation**

- Removal of 200-W-42 vitrified clay pipeline (VCP) and other interferences
  - Completed excavation of approximately 700 feet of 200-W-42 pipe in Phase II, and over 900 containers have been transported to the Environmental Restoration Disposal Facility (ERDF) as of July 20, 2006

##### **Closure Projects**

- Finished 216-Z-9 slant borehole drilling and completed well construction for vapor extraction
- Completed additional geophysical surveys and initial passive soil vapor sampling for 200-SW-2 waste sites

#### **Reliability Projects:**

- Project L-325A, Phase 2, Install 13.8kv Tie Line from A-8 to A-7 Substation
  - Initiated construction on June 26, 2006
- L-334, Minimize Potential Environmental Impacts from Export Water System Ruptures
  - Two of seven new 30-inch valves have been installed, tested, and are currently operating in manual mode

### **Nuclear Facility D&D, FFTF (PBS RL-0042)**

**Fuel Interim Decay Storage (IDS) Sodium Drain:** Preparations continue for draining the last of the FFTF bulk sodium contained in the IDS vessel and associated auxiliary systems. Near-term focus continues on the removal of 108 Core Component Pots (CCPs) from the vessel. Original planning was to plunge, remove, and sever the bottom section of the CCPs (each containing approximately 3.7 gallons of sodium) prior to storage. However, upon removal of the first few CCPs it was found that the level of radiological contamination and resulting dose rate were considerably higher than anticipated. It was therefore decided to eliminate the severing step and store the CCPs intact. At the end of June, 15 of the 108 CCPs had been placed into temporary storage boxes.

## Current Issues

### K Basins Project

**K East Sludge Vacuuming:** Progress in K East sludge vacuuming slowed by small debris entrained in the sludge and a decrease in visibility. Mitigation actions taken include:

- Manufacture and use of different end effectors
- Installation of an alternate vacuuming pump system (Vaughn Pump) for heavier debris removal
- Utilization of limited resources from K West to assist in maneuvering/relocating equipment in basin bays
- Installation of roughing strainers in vacuum pump line-up
- Revision to debris removal strategy
- Two week window in schedule to remove additional debris, and
- Maintenance of spare parts.

**Sludge Transfer – H1H testing:** Construction turnover/Integrated Test Plan (ITP) progress has been slower than planned. Mitigation actions taken include:

- Retention of engineering resources to expedite correction of deficiencies
- Additional resources to ensure proper work package closeout
- Plans for conduct of remaining Construction Acceptance Tests (second shift) in parallel with ITP progress on day shift
- Fluor Hanford (FH) H1H support team reviewing readiness preparations and construction acceptance records (and others as identified)
- Daily scheduled meetings/status meetings, and
- Judicious use of overtime and second shift coordination.

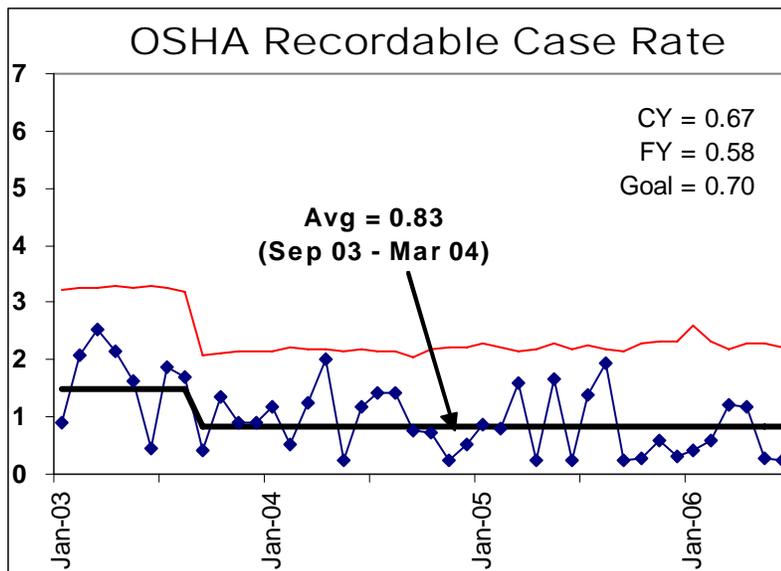
**Sludge Treatment Risk Mitigation:** Delays in design are resulting from off-site dose hazard control analysis and design control decisions/procurement delays. Mitigating actions taken include:

- Vice President and Deputy are fully engaged in resolution of Hazards Analysis and Design Controls
- Direct control of Nuclear Safety/Hazards Analysis coordination by FH (previously PNNL lead)
- Request and approval of limited procurement actions
- Re-planning at the direction of RL to implement risk mitigation actions
- Continued engagement between FH and British Nuclear Group, America senior management, and
- Conduct of Lessons Learned Review and implementation of results.

## 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.

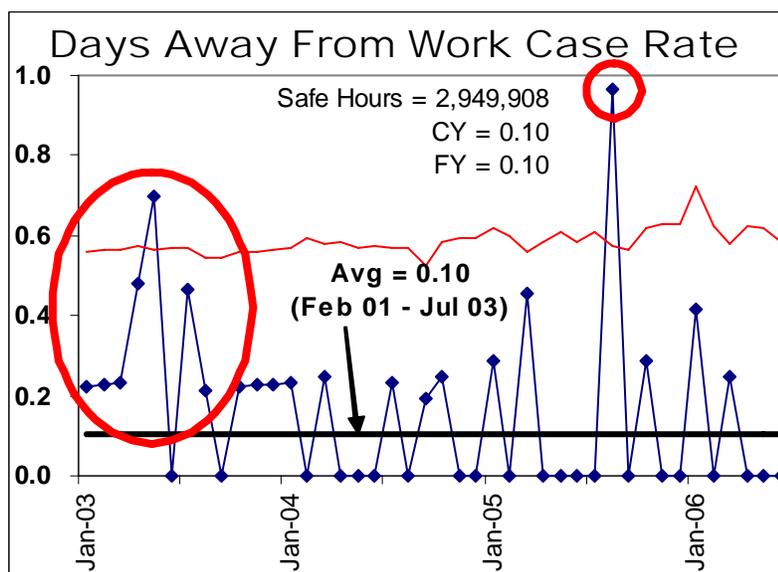
### Total OSHA Recordable Case Rate:



CY 2006 = 0.67  
FY 2006 = 0.58

There was one OSHA Recordable injury reported in June. Performance remains stable, but Fluor Hanford (FH) management continues to actively monitor the cases in an effort to keep performance to the current low rate.

### OSHA Days Away From Work (DAFW) Case Rate:

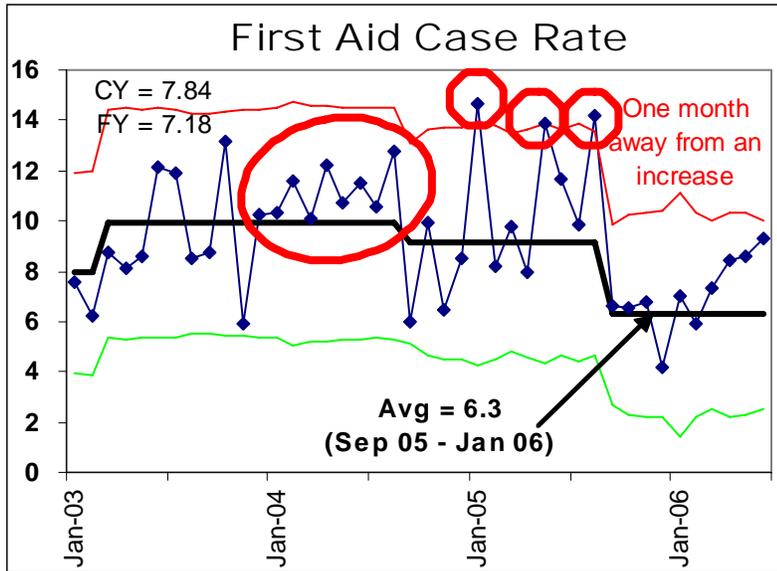


CY 2006 = 0.10  
FY 2006 = 0.10

Through June, the FH Safe Hours totaled 2,949,903 hours. The case rate average remains statistically stable and well within the upper control limit.

## Safety Overview, continued

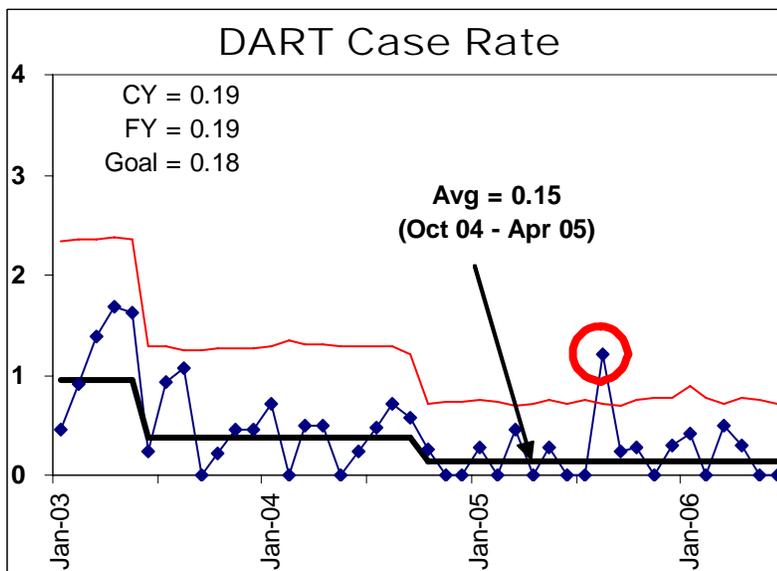
### First Aid Case Rate:



CY 2006 = 7.84  
FY 2006 = 7.18

The FH first aid case rate remains stable on the new baseline average, although the last few months' performance is showing a definite increase in occurrences.

### Days Away Restricted/Transferred Case Rate:



CY 2006 = 0.19  
FY 2006 = 0.19

The FH DART case rate is stable on the current baseline, on par with the Performance Objectives, Measures and Commitments (POMCs) performance target of 0.19, and only slightly above the Fluor Corporate goal of 0.18.

## FY 2006 FH Funds vs. Spend Forecast (\$M)

PBS Title	PBS	Projected FY 2006 Funding	FY 2006 Fiscal Year Spend Forecast	Control Point Variance		
				2012 Accelerated Completion	2035 Accelerated Completion	Other
SNF Stabilization and Disposition Storage Ops	HQ-0012X	\$1.6	\$1.6		\$0.0	
Nuclear Materials Stabilization & Disposition	RL-0011	\$137.3	\$136.2	\$1.0		
SNF Stabilization & Disposition	RL-0012	\$122.8	\$122.1	\$0.7		
Solid Waste Stabilization & Disposition	RL-0013	\$170.1	\$174.5		(\$4.4)	
Safeguards & Security	RL-0020	\$83.0	\$75.5			\$7.5
Soil & Water Remediation, Groundwater/Vadose Zone	RL-0030	\$48.1	\$47.9		\$0.2	
Nuclear Facility D&D, Remainder of Hanford	RL-0040	\$66.6	\$62.3		\$4.2	
Nuclear Facility D&D, River Corridor Closure	RL-0041	\$0.0	\$0.0	\$0.0		
FFTF Project	RL-0042	\$47.0	\$36.9			\$10.1
HAMMER	RL-0043	\$7.4	\$6.2	\$1.1		
Operate Waste Disposal Facility	RL-0080	\$3.4	\$3.2		\$0.2	
HAMMER	SR-MS100	\$0.9	\$0.7			\$0.2
<b>Total FH</b>		<b>\$688.0</b>	<b>\$667.1</b>	<b>\$2.9</b>	<b>\$0.3</b>	<b>\$17.7</b>

NOTE: Numbers are rounded to the nearest \$0.1M.

## FY 2006 Schedule/Cost Performance (\$M)

Fiscal Year To Date (\$M)	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
HQ-0012X SNF Stabilization and Disposition Storage Ops	\$1.0	\$0.8	\$0.9	-\$0.2	-23.1%	-\$0.1	-12.6%	\$1.3
RL-0011 Nuclear Materials Stabilization & Disposition	\$83.9	\$86.1	\$91.0	\$2.2	2.6%	-\$4.9	-5.7%	\$115.4
RL-0012 SNF Stabilization & Disposition	\$88.1	\$83.2	\$85.4	-\$4.9	-5.6%	-\$2.2	-2.6%	\$119.2
RL-0013 Solid Waste Stabilization & Disposition	\$115.2	\$115.2	\$116.4	\$0.0	0.0%	-\$1.2	-1.0%	\$160.5
RL-0020 Safeguards & Security	\$56.9	\$56.5	\$50.8	-\$0.5	-0.8%	\$5.7	10.0%	\$78.1
RL-0030 Soil & Water Remediation, Groundwater/Vadose Zone	\$33.0	\$31.1	\$32.3	-\$1.9	-5.7%	-\$1.1	-3.7%	\$44.9
RL-0040 Nuclear Facility D&D, Remainder of Hanford	\$37.7	\$43.1	\$37.0	\$5.4	14.3%	\$6.1	14.1%	\$55.6
RL-0041 Nuclear Facility D&D, River Corridor Closure	\$0.0	\$0.0	\$0.0	\$0.0	0.0%	\$0.0	0.0%	\$0.0
RL-0042 FFTF Project	\$29.6	\$26.6	\$26.7	-\$3.1	-10.3%	-\$0.1	-0.3%	\$42.0
RL-0043 HAMMER	\$4.5	\$4.5	\$4.5	\$0.0	-0.7%	\$0.0	-0.1%	\$7.4
RL-0080 Operate Waste Disposal Facility	\$1.7	\$1.7	\$1.5	\$0.0	0.0%	\$0.2	12.6%	\$2.3
HQ-MS100 HAMMER	\$0.2	\$0.2	\$0.6	-\$0.1	-33.2%	-\$0.4	-263.1%	\$0.3
<b>Subtotal Sub-project Work scope</b>	<b>\$452.0</b>	<b>\$448.8</b>	<b>\$446.9</b>	<b>-\$3.2</b>	<b>-0.7%</b>	<b>\$1.9</b>	<b>0.4%</b>	<b>\$627.1</b>
4.4.6.1+2 Request for Services & HAMMER RFSS	\$7.9	\$7.4	\$7.6	-\$0.5	-6.2%	-\$0.2	-2.3%	\$10.8
4.4.6.3 Work Orders from PNNL	\$5.8	\$5.8	\$5.5	\$0.0	-0.1%	\$0.2	4.1%	\$8.5
4.4.6.4 Work Orders from BHI	\$0.0	\$0.0	\$0.0	\$0.0	0.0%	\$0.0	0.0%	\$0.0
4.4.6.6+9 Work Orders from BNI/AMH	\$0.7	\$0.7	\$0.3	\$0.0	0.0%	\$0.4	59.7%	\$1.0
4.4.6.7 Work Orders from CH2M HILL	\$23.3	\$23.3	\$21.7	\$0.0	0.0%	\$1.6	2.4%	\$33.0
4.4.6.10 Work Orders from ATL	\$0.1	\$0.1	\$0.1	\$0.0	0.0%	\$0.0	0.0%	\$0.1
4.4.6.11 Work Orders from WCH	\$3.2	\$3.2	\$3.1	\$0.0	-0.3%	\$0.1	1.8%	\$4.5
<b>Total Work For Others</b>	<b>\$40.9</b>	<b>\$40.4</b>	<b>\$38.3</b>	<b>-\$0.5</b>	<b>-1.2%</b>	<b>\$2.1</b>	<b>5.2%</b>	<b>\$58.0</b>
<b>Total FH Contract Work scope</b>	<b>\$492.9</b>	<b>\$489.2</b>	<b>\$485.2</b>	<b>-\$3.7</b>	<b>-0.7%</b>	<b>\$4.0</b>	<b>0.8%</b>	<b>\$685.0</b>

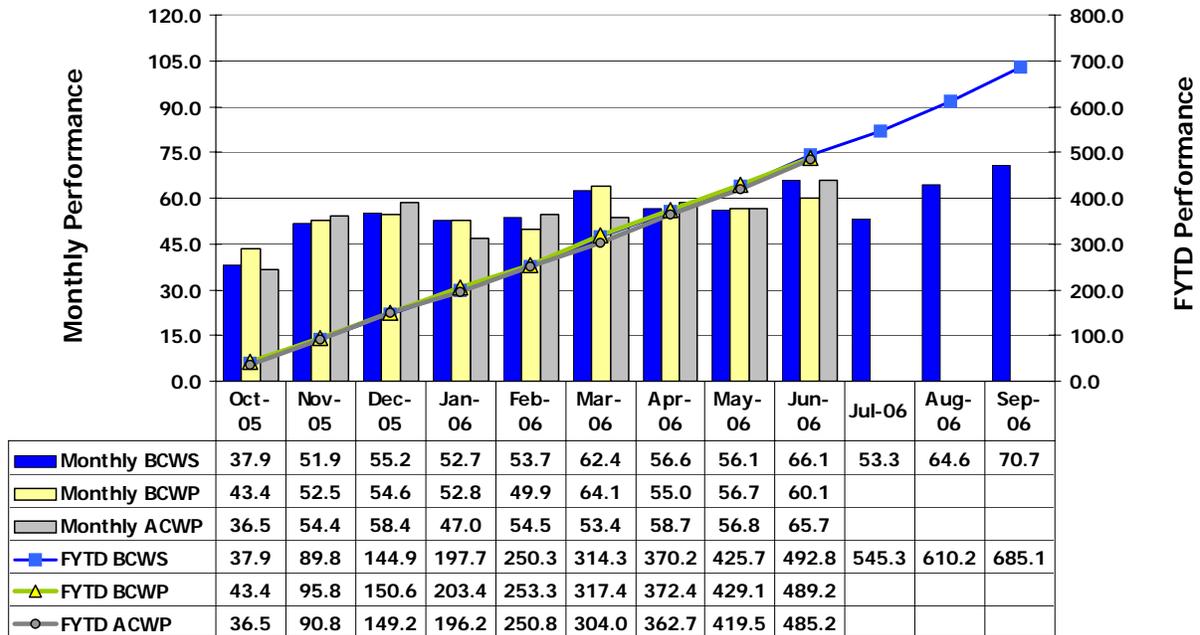
Variance threshold is +/- \$1M or 10%

**Schedule Performance:** June 2006 schedule performance reflected a -\$3.7M/-0.7 percent unfavorable schedule variance. The most significant schedule variances are discussed in the following sections: *Nuclear Facility D&D, Remainder of Hanford* (Section D), and *Nuclear Facility D&D, Fast Flux Test Facility Project* (Section E).

**Cost Performance:** June 2006 cost performance reflected a +\$4.0M/+0.8 percent favorable cost variance. The most significant cost variances are discussed in the following sections: *Nuclear Facility D&D, Remainder of Hanford* (Section D), and *Safeguards and Security* (Section H).

## FY 2006 Schedule/Cost Performance, continued

Performance Status  
FYTD and Monthly (\$M)



## 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. FY 2006 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.

One Enforceable Agreement milestone from FY 2005 (M-034-33B, *Complete K East Sludge Containerization*), remains overdue. A request for its extension was denied; therefore, the milestone will remain listed as overdue until its completion (currently forecast for September 2006).

June 2006 milestone performance shows no FY 2006 Enforceable Agreement milestones overdue to date, nor are any currently forecasting late completion.

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 2005
Enforceable Agreement	12	4	0	0	3	1	0	20
DOE-HQ	0	0	0	0	0	0	0	0
RL	23	1	1	0	7	0	0	32
Total FH	35	5	1	0	10	1	0	52

## Gold Metrics

Measure/Units		1st Qtr	2nd Qtr	April 2006	May 2006	Jun 2006	3rd Qtr	FY 2006 To Date	4th Qtr	FY 2006 Total
Nuclear Facility Completions (# of facilities)	Planned	-	-	-	-	-	-	-	7	7
	Actual	1	2	-	-	1	1	4	-	-
Radioactive Facility Completions (# of facilities)	Planned	-	1	-	1	1	2	3	4	7
	Actual	-	-	-	-	-	-	-	-	-
Industrial Facility Completions (# of facilities)	Planned	-	-	-	-	-	2	2	3	5
	Actual	-	2	3	-	-	3	5	-	-
Remediation Complete (# of release sites)	Planned	-	-	-	1	1	2	2	3	5
	Actual	-	11	-	-	-	-	5	-	11
Spent Nuclear Fuel packaged for final disposition (MTHM)	Planned	0.3	0.3	0.1	0.1	0.1	0.3	0.9	0.2	1.1
	Actual	0.2	0.28	-	-	-	-	525.00	-	-
Transuranic Waste shipped for disposal at WIPP (cubic meters)	Planned	175	175	58	58	59	175	736	175	911
	Actual	39	42	53	54	70	177	258	-	-
Low-Level and Mixed Low-Level Waste disposed (cubic meters)	Planned	583	584	195	195	194	584	1,751	584	2,335
	Actual	273	194	133	119	111	363	830	-	-
Material Access Areas Eliminated (# of areas)	Planned	-	-	-	-	-	-	-	1	1
	Actual	1	-	-	-	-	-	-	-	-

NOTE:

The Plutonium Finishing Plant (PFP) took credit for completing demolition of one nuclear facility, 241-ZRB (241-Z Retention Basins), completed June 15, 2006.

No credit was taken for completing remediation of waste sites.

## Government Furnished Services/Items

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. Items highlighted in "gold" reflect the affected Performance Incentive. Items in "pink" reflect an overdue status.

NOTE: GFS/I data is through July 17, 2006.

Reference ID	SOW Section	WBS Scope	Responsibility	Requirement	GFS/GFI	RL Letter No. & Date Completed	FH Submittal	FH Letter No. & Date Completed
None to report.								

## Contract Deliverables

Listed below are the near-term FH action/commitments required to support FH's accelerated cleanup. Only data for the next 30 days (including any open Contract Deliverables from prior periods) are shown. Items highlighted in "gold" reflect the affected PI. Items in "pink" reflect an overdue status. NOTE: All contract deliverable data is through July 17, 2006.

Reference ID	SOW Section	WBS Scope	Responsibility	Requirement	Deliverable	FH Letter No. & Date Completed	Needed GFS/GFI	RL Letter No. & Date Completed
CD0324	<a href="#">C.2.1.1.1.3.c DELIVERABLES</a>	<a href="#">WBS 4.1.1.1.9 Sludge Retrieval &amp; Disposition Project Remove KE Basin Sludge</a>	• K Basins Closure	<a href="#">DE-AC06-96RL13200, C.2.1.1.1.3, DELIVERABLES, CD0324</a> <a href="#">DE-AC06-96RL13200, RL-012, 1b(3)a</a>	Found fuel and scrap transferred from KE to KW <b>Commitment:</b> 31 July 2005 <b>Planned:</b> 9 November 2006 *			
CD0319	<a href="#">C.2.1.1.1.5.c DELIVERABLES</a>	<a href="#">WBS 4.1.1.1.9 Sludge Retrieval &amp; Disposition Project Remove KE Basin Sludge</a>	• K Basins Closure	<a href="#">DE-AC06-96RL13200, C.2.1.1.1.5, DELIVERABLES, CD0319</a> <a href="#">DE-AC06-96RL13200, RL-012, 1b(1)</a>	Sludge removed from K-East Basin as required to allow removal of the basin as low-level waste. <b>Commitment:</b> 31 July 2005 <b>Planned:</b> 31 May 2007 *			
CD0321	<a href="#">C.2.1.1.1.5.c DELIVERABLES</a>	<a href="#">WBS 4.1.1.1.9 Sludge Retrieval &amp; Disposition Project Remove KE Basin Sludge</a>	• K Basins Closure	<a href="#">DOE/RL-89-10, C.2.1.1.1.5, DELIVERABLES, CD0321</a>	M-034-33B: K East sludge containerization completed. <b>Commitment:</b> 1 March 2005 <b>Planned:</b> 31 October 2006			
CD0326	<a href="#">C.2.1.1.1.5.c DELIVERABLES</a>	<a href="#">WBS 4.1.1.1.9 Sludge Retrieval &amp; Disposition Project Immobilize and Package KE/KW Basins Sludge</a>	• K Basins Closure	<a href="#">DE-AC06-96RL13200, C.2.1.1.1.5, DELIVERABLES, CD0326</a> <a href="#">DE-AC06-96RL13200, RL-012, 1b(4)</a>	Commenced sludge treatment acceptable under the current draft WIPP WAC. <b>Commitment:</b> 30 March 2006 <b>Planned:</b> 1 December 2008 *			
CD0329	<a href="#">C.2.1.1.1.6.c DELIVERABLES</a>	<a href="#">WBS 4.1.1.1.10 100K Decontamination &amp; Deactivation (D&amp;D) Disposition 105 KE Basin</a>	• K Basins Closure	<a href="#">DE-AC06-96RL13200, C.2.1.1.1.6, DELIVERABLES, CD0329</a> <a href="#">DE-AC06-96RL13200, RL-012, 1c(2)b</a>	Three K East Basin bays debris and contamination removed, immobilized or encapsulated <b>Commitment:</b> 28 February 2006 <b>Planned:</b> 2 November 2007 *			

\*

NOTE: K Basin Closure's Performance Incentives have not been revised to reflect new baseline.

## Contract Deliverables, continued

Reference ID	SOW Section	WBS Scope	Responsibility	Requirement	Deliverable	FH Letter No. & Date Completed	Needed GFS/GFI	RL Letter No. & Date Completed
CD0330	<a href="#">C.2.1.1.1.6.c DELIVERABLES</a>	<a href="#">WBS 4.1.1.1.10 100K Decontamination &amp; Deactivation (D&amp;D) Disposition 105 KE Basin</a>	• K Basins Closure	<a href="#">DE-AC06-96RL13200, C.2.1.1.1.6, DELIVERABLES, CD0330</a> <a href="#">DE-AC06-96RL13200, RL-012, 1c(3)a</a>	K-East Basin superstructure demolished and delivered to ERDF <b>Commitment:</b> 30 June 2006 <b>Planned:</b> 14 August 2008			
CD0331	<a href="#">C.2.1.1.1.6.c DELIVERABLES</a>	<a href="#">WBS 4.1.1.1.10 100K Decontamination &amp; Deactivation (D&amp;D) Disposition 105 KE Basin</a>	• K Basins Closure	<a href="#">DE-AC06-96RL13200, C.2.1.1.1.6, DELIVERABLES, CD0331</a> <a href="#">DE-AC06-96RL13200, RL-012, 1c(3)b</a>	First K-East Basin section delivered to ERDF <b>Commitment:</b> 31 July 2006 <b>Planned:</b> 12 December 2008			
CD0044	<a href="#">C.2.4.1.1.c DELIVERABLES</a>	<a href="#">WBS 4.1.4.1.1 Maintain Safe &amp; Compliant FTF Complex</a> Maintain Safe & Compliant FTF Complex	• FTF Closure	<a href="#">DE-AC06-96RL13200, C.2.4.1.1, DELIVERABLES, CD0044</a>	<b>Discharge Monitoring Report for State Waste Discharge Permit ST 4501 (Semi-annually)</b>			
					Discharge Monitoring Report for State Waste Discharge Permit ST 4501 (CY 2006, 1st Half) <b>Planned:</b> 15 August 2006			
CD0355	<a href="#">C.2.6.3.c DELIVERABLES</a>	<a href="#">WBS 4.1.6.7 Drill Groundwater RCRA/CERCLA/AEA Wells</a> Install and Maintain Groundwater Monitoring Wells	• Soil and Water Remediation/Groundwater Vadose Zone and WSCF	<a href="#">DE-AC06-96RL13200, C.2.6.3, DELIVERABLES, CD0355</a> <a href="#">DE-AC06-96RL13200, RL-030, 3</a>	Integrated groundwater monitoring system (cumulative 60 wells as identified in TPA M-024-57J) <b>Commitment:</b> 31 July 2006 <b>Planned:</b> 31 July 2006			
CD0315	<a href="#">C.3.7.1.c DELIVERABLES</a>	<a href="#">WBS 4.2.6 200 Area Liquid Effluent Facilities</a> Maintain Safe & Compliant 200 Area Effluent Treatment Facility Operations	• Solid Waste Stabilization and Disposition	<a href="#">DE-AC06-96RL13200, C.3.7.1, DELIVERABLES, CD0315</a>	<b>ST 4500 and ST 4502 Discharge Monitoring Reports for the 200 Area Effluent Treatment and Treated Effluent Disposal Facilities (Quarterly)</b>			
					ST 4500 and ST 4502 Discharge Monitoring Reports for the 200 Area Effluent Treatment and Treated Effluent Disposal Facilities (2006, 3rd Quarter) <b>Planned:</b> 14 August 2006			

## Contract Deliverables, continued

Reference ID	SOW Section	WBS Scope	Responsibility	Requirement	Deliverable	FH Letter No. & Date Completed	Needed GFS/GFI	RL Letter No. & Date Completed
CD0108	<a href="#">C.3.9.1.c DELIVERABLES</a>	<a href="#">WBS 4.2.7.300 Area Liquid Effluent Facilities</a> Maintain Safe & Compliant 300 Area TEDF Operations	• Solid Waste Stabilization and Disposition	<a href="#">DE-AC06-96RL13200, C.3.9.1, DELIVERABLES, CD0108</a>	<b>Submittal of Department of Natural Resources Land Lease Monitoring Report (Monthly)</b>			
					Submittal of Department of Natural Resources Land Lease Monitoring Report (2006, June) <b>Planned: 28 July 2006</b>			
CD0095	<a href="#">C.4.1.1.c DELIVERABLES</a>	<a href="#">WBS 4.3.3.10 Studies and Estimates</a> Infrastructure Key Areas Beyond FY 2006	• Closure Services and Infrastructure	<a href="#">DE-AC06-96RL13200, C.4.1.1, DELIVERABLES, CD0095</a>	<b>Infrastructure Ratings for Key Areas (Semi-Annual)</b>			
					Infrastructure Ratings for Key Areas (2006 Second Half) <b>Planned: 30 July 2006</b>			
CD0401	<a href="#">C.4.2.11.c DELIVERABLES</a>	<a href="#">WBS 4.3.1.6 Emergency Preparedness</a> Emergency Preparedness	• Safety & Health	<a href="#">DE-AC06-96RL13200, C.4.2.11, DELIVERABLES, CD0401</a>	<b>Performance Analyses and Identification of Recurring Occurrences (Quarterly)</b>			
					Performance Analyses and Identification of Recurring Occurrences (FY 2006, 2nd Quarter) <b>Planned: 20 July 2006</b>			
CD0402	<a href="#">C.4.2.34.c DELIVERABLES</a>	<a href="#">WBS 4.3.1.7.8 Acquisition and Materials Management</a> Property System Management	• Business Services	<a href="#">DE-AC06-96RL13200, C.4.2.34, DELIVERABLES, CD0402</a>	<b>Precious Metals Forecast Report (annual)</b>			
					Precious Metals Forecast Report (2006) <b>Planned: 15 August 2006</b>			
CD0114	<a href="#">C.4.2.41.c DELIVERABLES</a>	<a href="#">WBS 4.3.5.6 Material Control and Accountability</a> Material Control and Accountability	• Safety & Health	<a href="#">DE-AC06-96RL13200, C.4.2.41, DELIVERABLES, CD0114</a>	<b>Nuclear Material Accountability Transaction Data Report (Monthly)</b>			
					Nuclear Material Accountability Transaction Data Report (FY2006 July) <b>Planned: 10 August 2006</b>			
CD0115	<a href="#">C.4.2.41.c DELIVERABLES</a>	<a href="#">WBS 4.3.5.6 Material Control and Accountability</a> Material Control and Accountability	• Safety & Health	<a href="#">DE-AC06-96RL13200, C.4.2.41, DELIVERABLES, CD0115</a>	<b>Nuclear Material Balance Report (Monthly)</b>			
					Nuclear Material Balance Report (FY2006 July) <b>Planned: 15 August 2006</b>			

## Contract Deliverables, continued

Reference ID	SOW Section	WBS Scope	Responsibility	Requirement	Deliverable	FH Letter No. & Date Completed	Needed GFS/GFI	RL Letter No. & Date Completed
CD0119	<a href="#">C.4.2.41.c DELIVERABLES</a>	<a href="#">WBS 4.3.5.3 Information Security</a>	• Safety & Health	<a href="#">DE-AC06-96RL13200, C.4.2.41, DELIVERABLES, CD0119</a>	<b>Quarterly Classification Officers Report</b>			
					Quarterly Classification Officers Report (2006 3rd Quarter) <b>Planned: 20 July 2006</b>			
CD0129	<a href="#">C.4.2.52.c DELIVERABLES</a>	<a href="#">WBS 4.3.1.1.3 Water Compliance and Sampling Utilities Operations and Maintenance--Water Compliance and Sampling</a>	• Closure Services and Infrastructure	<a href="#">DE-AC06-96RL13200, C.4.2.52, DELIVERABLES, CD0129</a>	<b>Quarterly Cross-Connection Control Master Deficiency List/Report</b>			
					Quarterly Cross-Connection Control Master Deficiency List/Report (2006 3rd Quarter) <b>Planned: 30 July 2006</b>			
CD0300	<a href="#">C.4.2.52.c DELIVERABLES</a>	<a href="#">WBS 4.3.1.1.3 Water Compliance and Sampling Utilities Operations and Maintenance--Water Compliance and Sampling</a>	• Closure Services and Infrastructure	<a href="#">DE-AC06-96RL13200, C.4.2.52, DELIVERABLES, CD0300</a>	<b>200E, 200W, 400 Area Drinking Water Report (Monthly)</b>			
					200E, 200W, 400 Area Drinking Water Report (2006, July) <b>Planned: 10 August 2006</b>			
CD0151	<a href="#">C.5.1.1.c DELIVERABLES</a>	<a href="#">WBS 4.4.3.3 Environmental Protection</a>	• Regulatory Compliance	<a href="#">DE-AC06-96RL13200, C.5.1.1, DELIVERABLES, CD0151</a>	<b>Hanford (AOP) Semi-Annual Report</b>			
					Hanford (AOP) Semi-Annual Report (2006 2nd Half) <b>Planned: 16 August 2006</b>			
CD0288	<a href="#">C.5.1.1.c DELIVERABLES</a>	<a href="#">WBS 4.4.3.3 Environmental Protection</a>	• Regulatory Compliance	<a href="#">DE-AC06-96RL13200, C.5.1.1, DELIVERABLES, CD0288</a>	<b>National Pollutant Discharge Elimination System Discharge Monitoring Report (Monthly)</b>			
					National Pollutant Discharge Elimination System Discharge Monitoring Report (2006, June) <b>Planned: 25 July 2006</b>			
CD0132	<a href="#">C.5.1.2.c DELIVERABLES</a>	<a href="#">WBS 4.4.3.4 Safety and Health Management Integrated Safety Management System</a>	• Safety & Health	<a href="#">DE-AC06-96RL13200, C.5.1.2, DELIVERABLES, CD0132</a>	<b>Annual Performance Objectives, Measures, and Commitments Report</b>			
					FY 2007 Performance Objectives, Measures, and Commitments Report <b>Planned: 1 August 2006</b>			

## Contract Deliverables, continued

Reference ID	SOW Section	WBS Scope	Responsibility	Requirement	Deliverable	FH Letter No. & Date Completed	Needed GFS/GFI	RL Letter No. & Date Completed
CD0179	<a href="#">C.5.3.1.c DELIVERABLES</a>	<a href="#">WBS 4.4.2 Financial Systems Accounting System</a>	• Business Services	<a href="#">DE-AC06-96RL13200, C.5.3.1, DELIVERABLES, CD0179</a>	<b>Contract Funds Status Report (Monthly)</b>			
					Contract Funds Status Report (June FY06) Planned: 1 August 2006			
CD0271	<a href="#">C.5.3.1.c DELIVERABLES</a>	<a href="#">WBS 4.4.2 Financial Systems Accounting System</a>	• Business Services	<a href="#">DE-AC06-96RL13200, C.5.3.1, DELIVERABLES, CD0271</a>	<b>Depreciation Charges (Monthly)</b>			
					Depreciation Charges (FY2006 July) Planned: 10 August 2006			
CD0173	<a href="#">C.5.3.1.c DELIVERABLES</a>	<a href="#">WBS 4.4.2 Financial Systems Accounting System</a>	• Business Services	<a href="#">DE-AC06-96RL13200, C.5.3.1, DELIVERABLES, CD0173</a>	<b>Financial Information System (FIS) Management &amp; Reporting System (MARS) (Month-End Deadlines)</b>			
					Financial Information System (FIS) Management & Reporting System (MARS) (FY2006 July) Planned: 10 August 2006			
CD0281	<a href="#">C.5.3.1.c DELIVERABLES</a>	<a href="#">WBS 4.4.2 Financial Systems Accounting System</a>	• Business Services	<a href="#">DE-AC06-96RL13200, C.5.3.1, DELIVERABLES, CD0281</a>	<b>Fluor Hanford, Inc., Cost Submittal FHXXXX (Monthly)</b>			
					Fluor Hanford, Inc., Cost Submittal FHXXXX (FY2006 July) Planned: 10 August 2006			
CD0285	<a href="#">C.5.3.4.c DELIVERABLES</a>	<a href="#">WBS 4.4.3.5 Internal Audit Contract Reporting (Internal Audit)</a>	• Internal Audit	<a href="#">DE-AC06-96RL13200, C.5.3.4, DELIVERABLES, CD0285</a>	<b>Internal Audit Quarterly Status Report</b>			
					Internal Audit Quarterly Status Report (3rd Quarter FY 2006) Planned: 20 July 2006			
CD0169	<a href="#">C.5.3.4.c DELIVERABLES</a>	<a href="#">WBS 4.4.4 PHMC Planning and Integration Contract Reporting (Baseline)</a>	• Project Systems & Support	<a href="#">DE-AC06-96RL13200, C.5.3.4, DELIVERABLES, CD0169</a>	<b>Project Hanford Management Contract Performance Report (Monthly)</b>			
					Project Hanford Management Contract Performance Report (6/2006) Planned: 3 August 2006			

## Contract Deliverables, continued

Reference ID	SOW Section	WBS Scope	Responsibility	Requirement	Deliverable	FH Letter No. & Date Completed	Needed GFS/GFI	RL Letter No. & Date Completed
CD0173	<a href="#">C.5.3.1.c DELIVERABLES</a>	<a href="#">WBS 4.4.2 Financial Systems Accounting System</a>	• Business Services	<a href="#">DE-AC06-96RL13200, C.5.3.1, DELIVERABLES, CD0173</a>	<b>Financial Information System (FIS) Management &amp; Reporting System (MARS) (Month-End Deadlines)</b>			
					Financial Information System (FIS) Management & Reporting System (MARS) (FY2006 June) <b>Planned: 10 July 2006</b>			
CD0275	<a href="#">C.5.3.1.c DELIVERABLES</a>	<a href="#">WBS 4.4.2 Financial Systems Accounting System</a>	• Business Services	<a href="#">DE-AC06-96RL13200, C.5.3.1, DELIVERABLES, CD0275</a>	<b>Fiscal Year 200X Contractor Post Retirement Benefits Other Than Pensions (PRB) for DOE Financial Statement Disclosures (FAS 106) (Annual)</b>			
					Fiscal Year 200X Contractor Post Retirement Benefits Other Than Pensions (PRB) for DOE Financial Statement Disclosures (FAS 106) (FY2006) <b>Planned: 21 June 2006</b>			
CD0281	<a href="#">C.5.3.1.c DELIVERABLES</a>	<a href="#">WBS 4.4.2 Financial Systems Accounting System</a>	• Business Services	<a href="#">DE-AC06-96RL13200, C.5.3.1, DELIVERABLES, CD0281</a>	<b>Fluor Hanford, Inc., Cost Submittal FHXXXX (Monthly)</b>			
					Fluor Hanford, Inc., Cost Submittal FHXXXX (FY2006 June) <b>Planned: 11 July 2006</b>			
CD0285	<a href="#">C.5.3.4.c DELIVERABLES</a>	<a href="#">WBS 4.4.3.5 Internal Audit Contract Reporting (Internal Audit)</a>	• Internal Audit	<a href="#">DE-AC06-96RL13200, C.5.3.4, DELIVERABLES, CD0285</a>	<b>Internal Audit Quarterly Status Report</b>			
					Internal Audit Quarterly Status Report (3rd Quarter FY 2006) <b>Planned: 20 July 2006</b>			
CD0169	<a href="#">C.5.3.4.c DELIVERABLES</a>	<a href="#">WBS 4.4.4 PHMC Planning and Integration Contract Reporting (Baseline)</a>	• Project Systems & Support	<a href="#">DE-AC06-96RL13200, C.5.3.4, DELIVERABLES, CD0169</a>	<b>Project Hanford Management Contract Performance Report (Monthly)</b>			
					Project Hanford Management Contract Performance Report (5/2006) <b>Planned: 6 July 2006</b>			