



Section G

HAMMER

PROJECT MANAGERS

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SUMMARY

The Hazardous Materials Management and Emergency Response (HAMMER) mission area consists of the HAMMER project, WBS 1.9.1.1, Project Baseline Summary (PBS) HM01.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, Milestone Achievement, and Cost/Schedule data contained herein is as of the end of September 2001.

HAMMER's FY01 objective of operating the facility in a safe and effective manner, while meeting all milestones and deliverables on schedule, was accomplished. HAMMER was focused on its primary mission--serving Hanford cleanup activities through high-quality training programs for Site workers. Availing non-Hanford customers of excess capacity is HAMMER's secondary mission.



Pit Viper Testing and Training at HAMMER Waste Tank Prop



Department of Ecology Training

Fiscal-year-to-date milestone performance (EA, DOE-HQ and RL) shows that six milestones (100 percent) were completed on or ahead of schedule. Further details can be found in the milestone exception report following the cost and schedule variance analysis.

TOP 5 ACCOMPLISHMENTS FOR FY 2001

HAMMER's first priority is to deliver hands-on training to the Hanford workforce. One thousand nine hundred sixty classes were conducted at the Volpentest HAMMER facility, for a total of 31,169 Hanford site student days. Effectiveness was evidenced by high student satisfaction ratings. The ratings remained high throughout FY 2001, ranging from 88.8 to 94.4 percent. These ratings attest to the FH management team's operational effectiveness and strong customer service commitment by staff members.

HAMMER successfully supported numerous mock-ups, simulations and similar activities including a 300 Area Mock-up, T-Plant Mock-up, and Polyurea Mock-up, Pit Viper Simulation, and Tower Reduction Demonstration performed at HAMMER. Several benefits were realized as a result of the training mock-ups, including improving the necessary skills of employees, reducing the potential for serious accidents, and saving the Site projects time and money.

A three-star award was received from Fluor Corporate in late February for 750,000 work-hours without a lost away workday injury. This is a remarkable accomplishment for an organization of less than 100 people.

A re-organization was undertaken in July to better equip staff members to serve Hanford and streamline non-Hanford efforts. The greatest restructuring occurred as HAMMER Products and Services became

HAMMER Marketing and Sales. HAMMER Product Lines became Program Areas, and Product Line Managers (formerly involved with Marketing and Sales) became Program Managers charged with monitoring established programs and customers, as well as working new accounts brought in by the Marketing and Sales team.

FH and PNNL signed a Memorandum of Understanding for expanded use of HAMMER. With the synergy between the lab and HAMMER, future shared activities will be mutually beneficial.

ADDITIONAL FY 2001 ACCOMPLISHMENTS

The Hanford Fire Department and Mutual Aid Fire Departments conducted 72 classes at HAMMER. These classes include Burn Building Training, Paramedic Training, Search & Rescue Building Training, Tri-County Hazardous Material Team Training, and Recruit Training.

The Hanford Fire Department conducted several wildfire classes at HAMMER. These classes include Wildfire Hand Crew and Wildfire Weather training. In addition, Hanford Fire conducted three days of wildfire training sessions for the Washington State Department of Fish and Wildlife. The Department is now taking care of the ALE Preserve. HAMMER arranged a training site for fire line construction.

A May 5-6 Washington State Emergency Management Division's Hazardous Material Workshop (brought to HAMMER by the Federal Emergency Management Agency and the Washington State Patrol Fire Protection Bureau) was a huge success. Ninety participants from fire (including seven Hanford fire fighters), law enforcement, the Tribes, and industry took part in four half-day classes entitled: Drug Labs, Explosives Awareness, Pesticides, and Bucket Chemistry. State officials, who had hoped for 60 attendees, were very pleased. The State Fire Marshal and the State Director of Emergency Management were keynote speakers in the opening ceremonies and provided interviews to several media organizations. Future plans include an expanded workshop for a Washington, Oregon, and Idaho audience.

Six OSHA Training Institute (OTI) sessions of four classes were conducted at HAMMER during FY01. Six new hands-on courses began at HAMMER in June. Rigorous high quality performance-based OTI courses (formerly offered only at Des Plaines, Illinois) are available to the Hanford workforce.

HAMMER held six University of Washington OSHA Ed Center courses at the facility via video teleconference. For the second year in a row, the Spring 2001 Health and Safety Specialist Certificate program was held at HAMMER via video teleconference beginning in March and concluding May 18. Two new courses with rigorous hands-on components began in May. All OSHA Ed Center courses allow Hanford workers to gain knowledge from national subject matter experts, while avoiding travel costs.

HAMMER staff works with vendors (EXITECH, OSHA Training Institute, D2000) and the NIEHS Grantees to review curriculums for possible hands-on/active learning revisions. Regular meetings with EXITECH Columbia Corporation resulted in several course revisions with hands-on/active learning components. A total of 23 courses have increased/improved hands-on or active learning this fiscal year.

D2000 Safety Solutions, a provider of occupational safety and health courses (internationally), is working towards establishing a series of mastery level courses at HAMMER. D2000 selected HAMMER as a site for its training sessions due to the facility's availability of props and simulations. The company provided confined space courses in April, May and June. Hanford Site workers are the primary attendees of hands-on D2000 courses.

Much of the HAMMER facility's operational success is due to maintenance excellence. This "behind the scenes" effort ensured no "down-time" for facilities, systems, and props. During FY01, HAMMER maintenance staff completed 99 percent of their work packages on schedule, while keeping maintenance

costs down as the facility and usage continued to grow. Third party training providers have routinely commended HAMMER for having "the best maintained facility in the business".

Construction continued at the National Utility Training Services site with the erection of a pole climbing yard and the pouring of concrete building slabs. (Fencing was installed and initial bulldozing was completed, including the construction of temporary roads, earlier in the fiscal year.) The 80-acre site will meet hands-on training needs of workers for the more than 200-member organizations of NWPPA, Hanford Site high-risk electrical workers, OSHA, local and regional fire departments, and law enforcement agencies. Ten National Utility Training Services classes were scheduled late in FY 01. Beginning in September, the classes will continue into FY 2002.

ACCOMPLISHMENTS THIS REPORTING PERIOD

September accomplishments include: supported a Hanford Site Emergency Management exercise in partnership with Pacific Northwest National Laboratory (PNNL) and hosted a curriculum development workshop with the U.S. Department of State. Future courses will be taught at HAMMER as part of the State Department's Anti-terrorism Assistance Program. Additionally, training on the Pit Viper system was completed September 18 and the Pit Viper is now ready for deployment to the field.

SAFETY / ISMS STATUS / CONDUCT OF OPERATIONS

Nothing to report at this time.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Nothing to report at this time.

UPCOMING ACTIVITIES

Archeological Resources Protection Act Training for Law Enforcement Officers class, October 2001.

Chemical Biological Incident Response Force Training, October 2001.

DOE Sub-committee on Consequence Assessment and Protective Actions Conference, November 2001.

MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2001
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	0	0	0	0	0	0	0	0
RL	5	1	0	0	0	0	0	6
Total Project	5	1	0	0	0	0	0	6

Only TPA/EA milestones and all FY2001 overdue and forecast late milestones are addressed in this report. Milestones overdue are deleted from the Milestone Exception Report once they are completed. The following chart summarizes the FY2001 TPA/EA milestone achievement and a Milestone Exception Report follows. The last milestone table summarizes the first six months of FY 2002 TPA/EA milestones.

FY 2001 Tri-Party Agreement / EA Milestones		
Number	Milestone Title	Status
	Nothing to report at this time.	
DNFSB Commitments		
	Nothing to report at this time.	

MILESTONE EXCEPTION REPORT

Number/WBS Level **Milestone Title** **Baseline Date** **Forecast Date**

Overdue – 0

Forecast Late – 0

FY 2002 Tri-Party Agreement / EA Milestones		
Number	Milestone Title	Status
	Nothing to report at this time.	
DNFSB Commitments		
	Nothing to report at this time.	

FY 2001 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES CUMULATIVE TO DATE STATUS – (\$000)

Green

		FYTD									
By PBS		BCWS	BCWP	ACWP	SV	%	CV	%	BAC	EAC	
PBS HM01	Hammer	\$ 6,437	\$ 6,096	\$ 5,814	\$(341)	-5%	\$282	5%	\$ 6,437	\$ -	
WBS 1.9.1											
	Total	\$ 6,437	\$ 6,096	\$ 5,814	\$(341)	-5%	\$282	5%	\$ 6,437	\$ -	

Authorized baseline as per the Integrated Planning Accountability, and Budget System (IPABS) – Project Execution Module (PEM).

FY TO DATE SCHEDULE / COST PERFORMANCE

The \$0.3 million (5 percent) unfavorable schedule variance is insignificant.

The \$0.3 million (5 percent) favorable cost variance is insignificant.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

Schedule Variance Analysis: (-\$0.3M)

HAMMER – 1.9.1.1/HM01

Description and Cause: The variance is within thresholds.

Impact: None.

Corrective Action: None.

Cost Variance Analysis: (+\$0.3M)

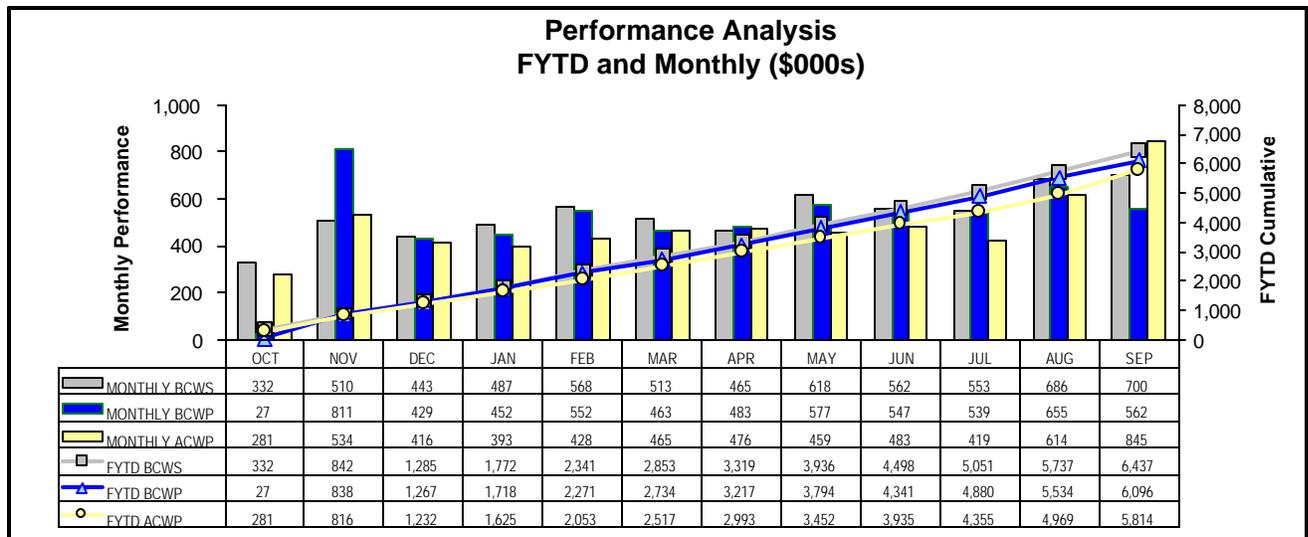
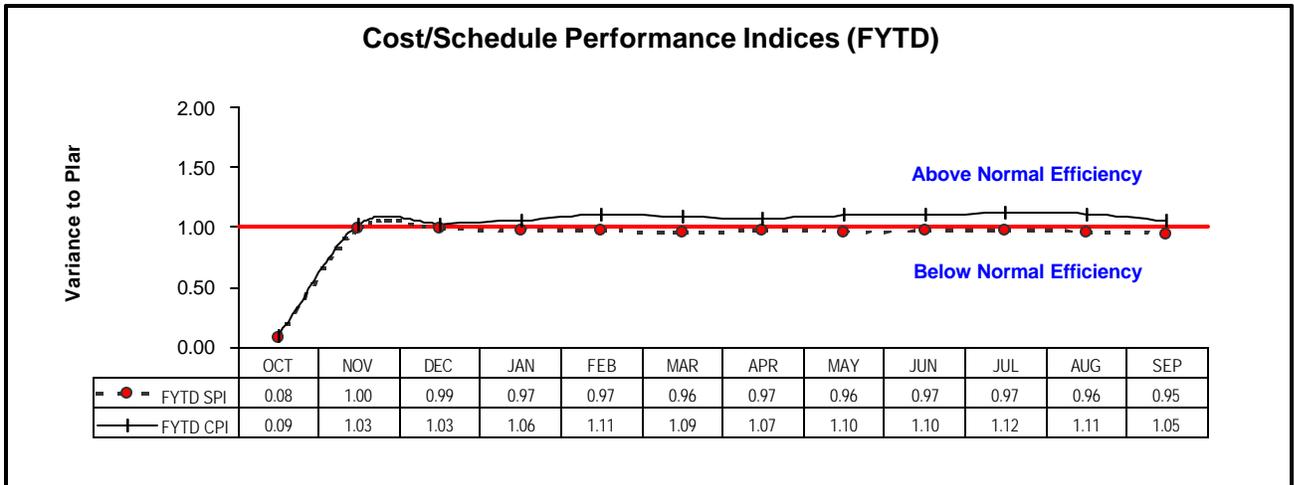
HAMMER — 1.9.1.1/HM01

Description and Cause: The favorable cost variance is within thresholds.

Impact: None.

Corrective Action: None.

SCHEDULE / COST PERFORMANCE (MONTHLY AND FYTD)



FUNDS MANAGEMENT FUNDS VS ACTUAL COSTS (\$000) FY 2001

	Funds	Actual Costs	Uncosted
1.9 HAMMER			
HM01			
Post 2006 - Operating	\$ 6,539	\$ 5,741	798
Total	\$ 6,539	\$ 5,741	\$ 798

[Status through September 2001]

ISSUES

Technical, Regulatory, External, and DOE Issues and DOE Requests

Issue: Nothing to report at this time.

Impacts: None.

Corrective Action: None at this time.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

PROJECT CHANGE NUMBER	DATE ORIGIN	BCR TITLE	FY01 COST IMPACT \$000	SCH	TECH	DATE TO CCB	CCB APR'VD	RI APR'VD	CURRENT STATUS
HMR-01-008	6/27/01	Revise Schedule Baseline	0	X	NA	7/9/01	7/9/01	9/4/01	Approved
HMR-01-009	9/10/01	FY 2002 Additional Scope	0	NA	X	NA	NA	NA	In Process
HMR-01-010	9/10/01	FY 2002 Capital Equipment Purchase	0	NA	X	NA	NA	NA	In Process
HMR-01-011	9/10/01	FY 2002 Additional Capital Work Scope	0	NA	X	NA	NA	NA	In Process
Advance Work Authorizations									
		Nothing to report.							