



Section L

Site Integration

PROJECT MANAGERS

<i>P&I</i>	W.W. Ballard, RL L.R. Hafer, FH	(509) 376-6657 (509) 375-2655
<i>ECP</i>	S.H. Wisness, RL B.A. Austin, FH	(509) 373-9337 (509) 376-0543
<i>SE&I</i>	W.W. Ballard, RL T.J. Harper, FH	(509) 376-6657 (509) 376-2755
<i>IRM</i>	S.H. Wisness, RL J.D. Wood, FH	(509) 373-9337 (509) 372-0499
<i>TRAINING</i>	S.H. Wisness, RL K.A. McGinnis, FH	(509) 373-9337 (509) 376-9403

INTRODUCTION

Site Integration consists of Project Baseline Summary (PBS) RL-SS01, Work Breakdown Structure (WBS) 3.4.1 (except for 3.4.1.3, 3.4.1.7, and 3.4.1.8). The five sub-projects addressed in Section K are:

- Planning and Integration (WBS 3.4.1.1)
- Environmental Compliance Program (WBS 3.4.1.2)
- Systems Engineering and Integration (WBS 3.4.1.4)
- Information Resource Management (WBS 3.4.1.5)
- Training (WBS 3.4.1.6)

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

There are no milestones (EA, DOE-HQ, or RL) in Fiscal Year (FY) 2002 for this PBS.

NOTABLE ACCOMPLISHMENTS

Planning & Integration (P&I) WBS 3.4.1.1

FH Project Baseline Update for FY 2003 execution — The baseline update planning assumptions and schedule are being finalized and incorporated into guidance for the FH Sub-projects. Guidance will include the planning basis for WBS scope transfers, updated pricing rates, contract work scope changes, and incorporation of changes in funding of variable direct services as part of the proposed accounting practice change for City Manager activities. Guidance will also include assumption for baseline updates associated with accelerations identified in the recently submitted the Performance Management Plan for the Accelerated Cleanup of the Hanford Site (PMP).

RL Big Sheet Support — In July, P&I began updating the RL Big Sheet for RL. The update involves reformatting financial and change control exhibits from the FH Baseline/Funding Management Summary cost and schedule variances and a funding graph from the Chief Financial Officer (CFO) briefing material. The report is provided to RL along with the CFO Briefing pre-meeting materials on a monthly basis.

FY 2003 Startup Workshop — Planning is underway to present a FY 2003 Startup Workshop to PHMC financial and project controls personnel. Activities being presented in this year's workshop will be dependent on the final direction from RL regarding proposed changes to funding variable direct services, WBS changes, and rate changes.

Ongoing monthly requirements completed in this reporting period

- **RL/FH Performance Management Meetings (PMMs)** - There was no PMM held in July.
- **Environmental Management Performance Report (EMPR)** - The May EMPR was provided to RL in bound copy on July 17, 2002.

Environmental Compliance Program (ECP) WBS 3.4.1.2

Department Of Energy National Environmental Policy Act of 1969 (NEPA) Process Training Class — FH Environment and Regulation presented the DOE NEPA Process (#170130) training class at the Hazardous Materials Management and Emergency Response (HAMMER) Facility on July 30-31, 2002.

Chemical Management — On July 10, 2002, at the direction of FH Senior Management, Lockheed Martin Information Technology (LMIT) was instructed to stop work on the Chemical Information Tracking System (CITS). At the time, LMIT had expended 100 percent of the \$300K that had been budgeted to support the Chemical Management Project (\$210K at the beginning of the Fiscal Year plus a \$90K supplement in April of 2002). Of the total funding amount, \$135K or 45 percent was expended in

maintaining and modifying the Chemical Management System that is being replaced by CITS. CITS development will be reinitiated at the start of FY 2003.

Air Effluent/Emissions Reporting — The National Emission Standards for Hazardous Air Pollutants (NESHAP) Quarterly Status Report, Tracked Deliverable ECP-02-807, was completed and transmitted to RL on July 17, 2002, twelve days ahead of schedule.

Fourth Quarter Resource Conservation and Recovery Act of 1976 (RCRA) Permit Class I Modification Notification — FH transmitted the RCRA Permit Quarterly Class I modification notification for the fourth quarter to Ecology on July 10, 2002.

Regulatory Inspection Support — The following regulator facility inspections and follow-up to information and /or action requests were coordinated:

- On July 16, 2002, Ecology conducted an inspection utilizing 3 teams of inspectors to perform simultaneous 90-Day Accumulation Area inspections at various facilities across the Site. Facilities visited were: 222-S, 324, 328, 200 Area Effluent Treatment Facility (ETF), 271-U, 2025-E, and 274-E. The inspectors indicated no concerns.
- On July 18, 2002, Ecology Inspectors/Project Managers conducted an Inspection of the 600 Area Purgewater Storage and Treatment Facility located near the 200 East Area ETF. Ecology mentioned some concern with adding a waste code (D007) to the influent.
- On July 24, 2002, Ecology and an Inspector from the Environmental Protection Agency (EPA) conducted an inspection of the 277-W and 275-E Facilities, and the lay down yard currently being used by the well driller group. The Inspector's focus was on observing the contents of many Conex storage boxes located at these facilities. The Inspectors mentioned no concerns.
- On July 25, 2002, Ecology investigated an event and observed an area by U-Plant where a raw water main line broke and leaked approximately 240,000 gallons of raw river water unto the ground along 16th street, across from U-Plant. Ecology met with environmental and maintenance personnel from FH to determine how the leak occurred and corrective measures.

Spill and Release Reporting — Appropriate reporting responses were coordinated for three non-reportable releases of a hazardous substance and/or a petroleum product released to the environment. All of these releases were cleaned up and disposed of per state and federal requirements. There were no reportable events with a release to the environment and four reportable code non-compliance events reported to the FH Single-point-of-Contact through the Occurrence Notification Center (ONC).

Systems Engineering and Integration (SE&I) WBS 3.4.1.4

System Engineering Management System Solution — In support of the efforts under the Hanford Site Analyses and Models and the Hanford Site Requirements Analysis Reports the following work was accomplished:

- Integrated contract modifications 149, 152, 157 and 159 into the PHMC baseline.
- Continued support to RL's Implementation Plan for the Defense Nuclear Facilities Safety Board (DNFSB) Recommendation 2000-2, Configuration Control for Vital Safety Systems.
- Improved the integration of the FH requirements management activities.

System Engineering Technical Products — In support of the efforts for Prime Contract Integration the following work was completed:

- Supported RL in the review of the Hanford Site Performance Management Plan. Provided baseline information relative to facility and waste site disposition plans.
- Working to integrate the Technical Baseline information systems, including the HSTD, HGIS, HWIS, WIDS, and HFC. Several meetings were held and integration plans are being developed.

Information Resource Management (IRM) WBS 3.4.1.5

Business Management System (BMS) Upgrades — BMS upgrades were successfully implemented in early July for the following commercial off-the-shelf (software) (COTS) products - Sunflower, PassPort, and PeopleSoft.

Material Accountability and Control (MAC-II) updated to automate tracking of fuel from K-East to K-West Basins — IRM supported this upgrade, which serves as the repository of nuclear material accountability information for the Spent Nuclear Fuel (SNF) Project. MAC-II's upgrade was released on July 9, 2002 to provide accountability and control functions while minimizing the field paperwork by generating Accountability Data Sheets (ADS) to record and track the processing of the fuel from K-East to K-West. The ADSs incorporate operational and safeguards information to the extent practical, thus reducing the number of forms that need to be dealt with by the field crews.

Automation of trench monitoring — With IRM's support on Tuesday, July 23, 2002, the Trench34 web application was implemented to automatically record data, on a scheduled basis, from a sensor on/in a trench. It will store the data and automatically generate and send a status report to the personnel responsible for tracking the same. This application eliminates the daily need for personnel to travel to the trench for the purpose of manually recording the data generated by the equipment associated with the trench.

Virtual Knowledge Center/Integrated Document Management System (VKC-IDMS) — The Production Readiness Review Board (PRRB) approved the VKC-IDMS system as being production-ready. This approval, along with last week's migration from Microsoft structured query language (MS SQL) server to Unix Oracle, is a major milestone in preparation for the August 5, 2002 production implementation date. The web link for VKC-IDMS is <http://idsweb/idmsprod/livelink.exe> (users must have had training prior to being set up on VKC-IDMS).

Training WBS 3.4.1.6

Hazardous Waste Training — Three hundred and forty-six students were trained in hazardous waste handling during July 2002. Fifteen 8-hour refreshers and one 24-hour initial class were conducted.

Respiratory Training — Two hundred and sixty-seven students were trained in respiratory protection during July 2002. Twenty-four respiratory protection refresher classes and four respiratory protection initial classes were conducted.

Mask Fit Training — Two hundred and fifty-nine students were processed through Mask Fit during July 2002.

Occupational Safety and Health Training — Five sessions were delivered for 29 students on various hoisting and rigging topics during July 2002. The topics included basic crane and rigging, aerial lift safety, load securing, and inspection of overhead cranes.

Nuclear Safety Training — Eight sessions of nuclear criticality safety training were delivered for 36 students during July 2002. Thirty-one sessions of radiation worker training were held during July 2002. Forty-one students attended 16 sessions of initial radiation worker training and 165 students attended 15 sessions of radiation worker retraining.

Emergency Preparedness (EP) Training — Training supported the following EP training activities during July 2002:

- Hanford Incident Command System Initial Training – 12 students
- Hanford Incident Command System Refresher Training – 76 students
- Building Emergency Director (BED) Refresher Training – 27 students
- Building Warden Refresher Training – 3 students

Emergency Preparedness Course Update — The BED Training (course #037515) has been updated to reflect previous course revisions to the BED Initial Training and the Building Warden Initial Training for Low-Hazards Facilities concerning Resource Conservation and Recovery Act of 1976 (RCRA)/Emergency Coordinator requirements. This refresher course was approved and implemented on the Hanford Web-Based Training (WBT)/Online Training July 23, 2002.

Web-Based Training (WBT) — Training offers WBT through the HAMMER Courseware Management System (HAMMERCMS). In July 2002, HAMMERCMS recorded 2,774 course completions. This includes 733 Hanford General Employee Training (HGET) student completions.

Special Brokered/Site Supported Training — Training brokered, or facilitated, 20 training sessions covering 17 specific course contents during July 2002. These training sessions supported the PHMC and Department of Energy - Office of River Protection (ORP) contractors.

Deliverable Completion — The following deliverable was completed during July 2002:

- Increase efficiency of training records entry by 10 percent over FY 2001.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs

Information Resource Management — FH Contracts, General Accounting, Benefits Accounting, and Business Management Systems groups were added as users to the VKC/IDMS interim production environment in addition to the CH2M HILL Hanford Group, Inc. (CHG) technical procedures group, the FH Environmental Permitting Group, and the FH Technical procedure writers. Additional advance users have requested access. These requests will be addressed based on system capacity. This system has significant potential to improve Hanford user productivity through automating document-intensive workflows, electronic signatures, portals, and knowledge management tools.

Information Resource Management — The installation and activation of the 200 East AP Tank Farms wireless Hanford Local Area Network (HLAN) system has been completed. The project was very successful and has allowed for wireless access of HLAN in AP, AN, and AY Tank Farms in 200 East Area of Hanford. This infrastructure allows customer access to Site information and applications via laptop computers and has been embraced by Tank Farms personnel and credited with reducing time required to access and input data into HLAN databases. Because of the success of this project the customer has requested a conceptual design and estimate for wireless HLAN coverage in various areas and buildings in the 200 East and 200 West Areas of Hanford.

Opportunities for Improvement

Environmental Compliance Program— Environment and Regulation staff are providing support to the Central Plateau Remediation Project on an initiative to obtain U.S. Environmental Protection Agency (EPA) approval to utilize a regulatory exemption that would eliminate the need to obtain EPA Notice of Construction approvals for National Emission Standards for Hazardous Air Pollutants (NESHAP) non-major sources. This would be a necessary first step to gaining similar approval from the Washington Department of Health. Obtaining such relief would save in permitting costs, and more importantly, eliminate some of the schedule challenges we presently face.

Information Resource Management — IRM is in the design phase of a project to deploy HLAN services to the Wye Barricade. This is a special project because deploying HLAN to remote buildings has been cost prohibitive in the past, but now with recent technologies advancements in High-bit Digital Subscriber Line (HDSL) systems, HLAN can be delivered to the Wye Barricade at a fraction of previous estimates by taking advantage of existing copper telephone facilities. With the completion of this project, Hanford Patrol personnel at the Wye Barricade will have the same high-speed access to HLAN resources as those at other Hanford facilities.

Training — A new Web-based version of the asbestos awareness annual refresher course was implemented on the Hanford WBT/Online Training July 30, 2002. The implementation of this WBT has the potential annual savings of \$86K. The savings is realized by a decrease in the amount of time to complete the training, including student time away from work, and a decrease in course tuition. In addition to annual savings, completing the design in-house minimized initial costs.

UPCOMING ACTIVITIES

Planning & Integration

- FH Baseline update for FY03 execution - due September 30, 2002
- Support to Life Cycle Cost Reduction - ongoing

Environmental Compliance Program

- ECP-02-406, Second Hanford Air Operating Permit (AOP) Semi-Annual Report - due August 15, 2002
- ECP-02-808, Annual Environmental Release Report - due August 30, 2002
- ECP-02-707, RCRA Pipe Mapping and Marking Report - due September 16, 2002
- ECP-02-708, Annual Permitting Status Report - due September 18, 2002
- ECP-02-201, Update NEPA Source Guide - due September 30, 2002
- ECP-02-809, Reassessment of Hanford Stacks for Compliance With New DOH Criteria - due September 30, 2002

Systems Engineering & Integration

- In response to Project comments on the Technical Baseline, SE&I is working to improve the Hanford Site Technical Database (HSTD) functional analysis - due August 2002.

Information Resource Management

- PeopleSoft Human Resources (HRIS) Upgrade will be implemented in mid August and will conclude the BMS upgrades, which moves these applications to supported versions that take advantage of web technologies and other vendor-supplied improvements.
- A new process for replacing Personal Computers (PCs) will be implemented during the next 30 days, with LMIT becoming the source for systems. This enables the site to leverage Lockheed Martin's large corporate-wide buying power in negotiating lower system prices than are currently

being paid, while still maintaining the use of a local small business to provide them. Anticipated savings are up to \$300,000 annually.

- Lockheed Martin’s response to the FY2003-FY2006 Statement of Work and RFP for IRM Services will be reviewed and the details for the services negotiated to cover the remaining four years of the contract.
- The Virtual Knowledge Center/Integrated Document Management Systems (VKC/IDMS) Program Production implementation of the system is scheduled for August 5, 2002.

Training

- Conduct assessments of the use of the Systematic Approach to Training (SAT) process on high attendance training activities (number and activities to be determined jointly by FH and RL-OTS) to determine the quality, appropriateness of delivery method and compliance with all applicable regulations - provide report by August 31, 2002.
- Use customer satisfaction report to determine training effectiveness for three courses (courses to be determined jointly by FH and RL-OTS) by September 30, 2002.
- Offer an Instructor Continuing Training Program and ensure that each qualified instructor falling within the purview of the PHMC contract attend at least one offering annually or provide evidence of other continuing training during the year - provide report by September 30, 2002.
- Reduce customizations of the PeopleSoft Training Module and Integrated Training Electronic Matrix (ITEM) panels by 10 percent of the FY2001 level - due September 30, 2002.

MILESTONE ACHIEVEMENT

There are no milestones (EA, DOE-HQ, or RL) in FY 2002 for this PBS.

**FY 2002 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES
FY TO DATE STATUS – (\$000)**

By PBS		FYTD							
		BCWS	BCWP	ACWP	SV	SV%	CV	CV%	BAC
PBS SS01									
WBS 3.4.1.1	P&I	3.199	3.198	2.597	-1	0.0%	601	18.8%	3.989
WBS 3.4.1.2	ECP	7.606	7.606	6.896	0	0.0%	711	9.3%	9.297
WBS 3.4.1.4	SE	761	761	596	0	0.0%	165	21.7%	887
WBS 3.4.1.5	IRM	8.624	8.624	9.221	0	0.0%	-597	-6.9%	10.438
WBS 3.4.1.6	Training	4.145	4.147	3.478	2	0.1%	669	16.1%	5.171
	Total	24.335	24.336	22.788	1	0.0%	1.548	6.4%	29.783

FY TO DATE SCHEDULE / COST PERFORMANCE

All schedule variances in PBS RL-SS01 are within established thresholds. The \$1.5 M (6.4 percent) favorable cost variance is discussed in the Cost Variance Analysis portion of this report.

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: (+\$0.001M)

All schedule variances are within established thresholds.

Cost Variance Analysis: (+\$1.5M)

3.4.1.1 Planning & Integration

Description/Cause: The favorable cost variance is due to reserve identified in the baseline to be reallocated to higher priority work in other projects.

Impact: There is no significant project impact at this time.

Corrective Action: None at this time.

3.4.1.2 Environmental Compliance Program

Description/Cause: The favorable cost variance is within established thresholds and a result of labor under runs due to reductions of force, and procurement delays due to spending restrictions.

Impact: There is no project impact at this time.

Corrective Action: None at this time.

3.4.1.4 Systems Engineering and Integration

Description/Cause: The favorable cost variance is a result of procurement delays for the Requirements Driven Design (RDD) 100 software in support of the HSTD due to spending restrictions.

Impact: There is no project impact at this time.

Corrective Action: None at this time.

3.4.1.5 Information Resource Management

Description/Cause: The unfavorable cost variance is within established thresholds and is due mainly to less than planned revenue.

Impact: There is no project impact at this time.

Corrective Action: None at this time, but continuing to closely monitor revenue.

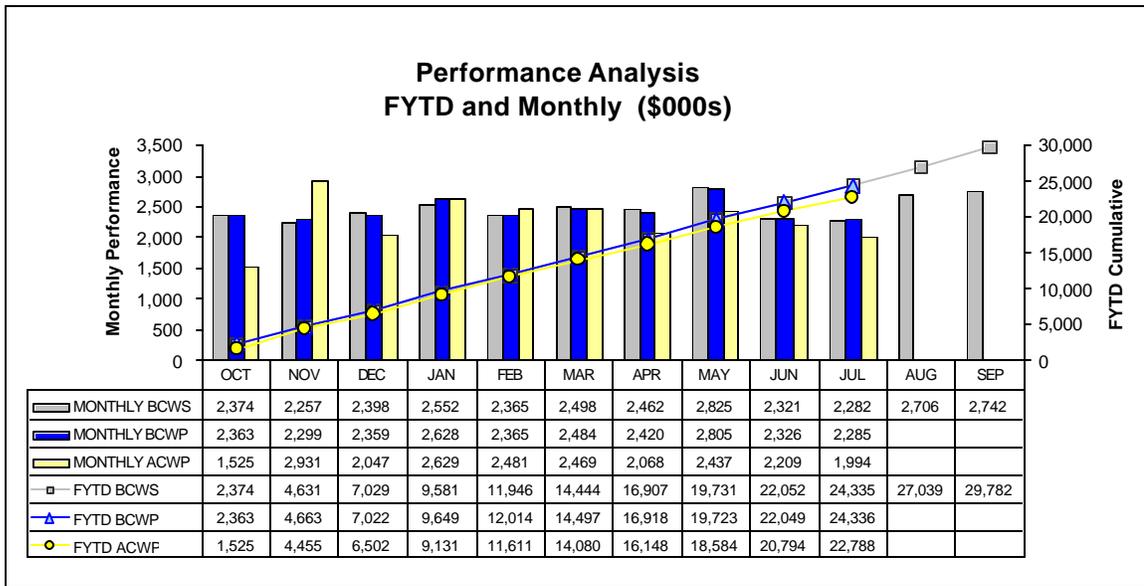
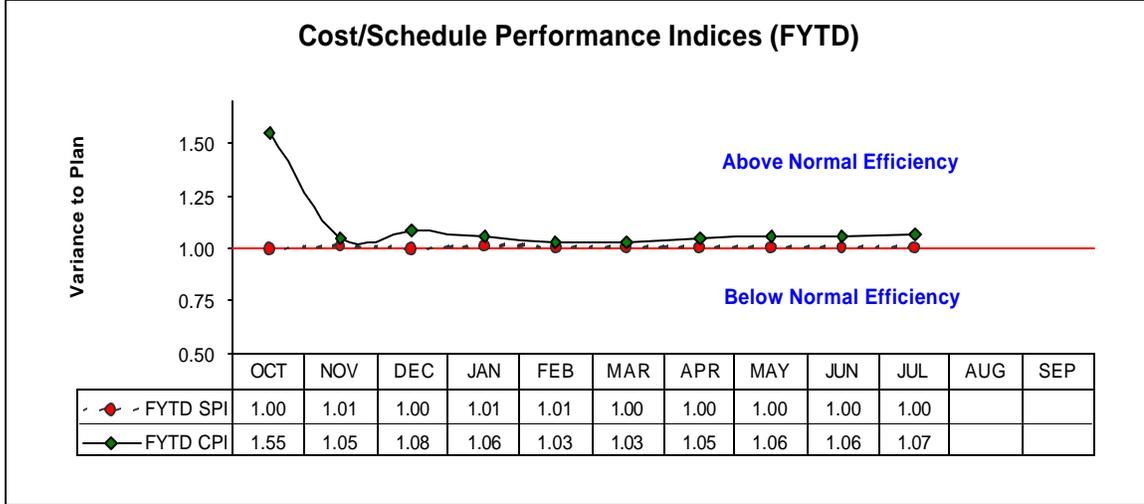
3.4.1.6 Training

Description/Cause: The favorable cost variance is a result of labor under runs due to reductions of force, efficiencies and vacant positions placed on hold due to spending restrictions.

Impact: There is no project impact at this time.

Corrective Action: None at this time.

COST / SCHEDULE PERFORMANCE (MONTHLY AND FYTD)



FUNDS MANAGEMENT

FYTD FUNDS VS SPENDING FORECAST (\$000)

	FH Funds Reallocation	FYSF	Variance
3.4.1 Site Integration			
SS01			
Post 2006 - Operating	\$ 27,952	\$ 28,102	\$ (150)
Total	\$ 27,952	\$ 28,102	\$ (150)

[Status through July 2002]

Note: FH Reallocation reflects an FYSF adjusted for scope deletions, deferrals, and identified savings to address funding shortfalls, additional unplanned scope, and cost increases.

ISSUES

TECHNICAL, REGULATORY, EXTERNAL AND DOE ISSUES AND DOE REQUESTS

None to report.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

Baseline Change Log

BCR No./ Level 4 WBS	Date Originated	Description	Impact		Date Approved	Status
			Days	Dollars (\$000s)		
FH-02-010 3.4.1	2/28/02	FH Labor Rate/Continuity of Service & Escalation		593.0		At RL
FH-2002-002 3.4.1.6	5/15/02	Laundry Allocation Revision		217.0	7/31/02	Approved

NOTES: "Impact" refers to the impact in terms of the number of days or dollars changing from the 9/30/01 baseline.

"Date Approved" refers to date of change as approved by final approval authority.