Strategic Planning and Integration

T. J. Harper, Vice President/(509) 376-2755

INTRODUCTION

Site Systems and Regulatory Analysis consists of Project Baseline Summary (PBS) RL-SS01. The four sub-projects addressed in this section are:

- Planning and Integration;
- Environmental Compliance Program;
- Systems Engineering and Integration; and
- Hazardous Materials Management and Emergency Response (HAMMER)

NOTE: Unless otherwise noted, all information contained herein is as of the end of January 2003.

NOTABLE ACCOMPLISHMENTS

Planning & Integration

RL and Fluor Hanford (FH) Joint Integrated Change Board: On January 29, 2003, a charter for a Joint Integrated Change Board was cooperatively developed between RL and FH. With the establishment of the charter, Baseline Change Requests and contract changes will be more effectively dispositioned.

FY 2003 Reporting Baseline Support: During January, Strategic Planning and Integration (SP&I) supported the FY 2003 Reporting Baseline deliverable. Planning rates and other guidance were provided to the field. Temporary reports were created to assist in validation of guidance versus daily interim baseline updates. Detailed cost/schedule/technical analysis was performed. Identified issues were brought to both management's and the project's attention for correction. Multiple changes were incorporated in the Hanford Data Integrator (HANDI) system for display of the data. These included revisions to the Project Baseline Display Table of Contents, development of new cost baseline reports, and revisions to the Executive summary portion of baseline exhibit. The final product was electronically delivered to RL as planned on January 30, 2003.

Procedure Updates: Requirements Document 14090, *Staff Augmentation Time System*, comment resolution and incorporation was completed. This document was approved for issuance on January 22, 2003.

Environmental Management Performance Report: The November 2002 Environmental Management Performance Report (EMPR) was delivered to RL on January 8, 2003, and distributed to all addressees in bound copy on January 17, 2003.

FH Scheduling System Updates: During January coding was added to the schedule that identified Earned Value Method, Performance Incentives and Government Furnished Services/Items activities for the January 2003 and June 2003 Integrated Lifecycle Baseline deliverables. Modifications were made to extract data from baseline schedules to be used to validate baseline products. Also new reports were created and modifications were made to the rate table to reflect a revised organizational overhead rate.

Environmental Compliance Program (ECP)

Number ST 4508 on the Log of Significant Discharges: The Log of Significant Discharges was delivered to RL on January 29, 2003, completing deliverable ECP-03-401 two days early.

Second Quarter National Emission Standards for Hazardous Air Pollutants (NESHAP) Status Report: The Quarterly NESHAP Status Report was delivered to RL on January 24, 2003 which completed deliverable ECP-03-802 on time.

Hanford Facility Resource Conservation and Recovery Act of 1976 (RCRA) Permit Renewal 2004: A meeting was held with the State of Washington Department of Ecology (ECOLOGY), RL, and Hanford contractor personnel on January 13, 2003, to discuss renewal of the Hanford Facility RCRA Permit in 2004. RL/contractors proposed the scope (units for reapplication), schedule and format to meet the requirements for reapplication. Assumptions to proceed were presented to ECOLOGY. ECOLOGY will provide their decision on the RL/contractor assumptions at the February 2003 working group meeting.

Bi-Monthly Environmental Technical Exchange: The Bi-monthly Environmental Technical Exchange was held on January 22, 2003. Personnel from Pacific Northwest National Laboratory (PNNL), Bechtel Hanford Inc. (BHI), Washington State Department of Health (WDOH), RL, FH, and Duratek Federal Services Northwest (DFSNW) attended. Various presentations were made concerning the environment and the Hanford Site. FH presented the results of the Plutonium Finishing Plant (PFP) stack sampling studies and the upcoming compliance issue with the new Subpart H. It was identified during the meeting that DOE Order 450.1, *Environmental Protection Program*, was approved and replaces DOE Order 5400.1.

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

- On January 15, 2003 ECOLOGY conducted an inspection in response to acceptance of two off-site shipments of Transuranic (TRU) waste at the Central Waste Complex and Low Level Burial Grounds.
- On January 15, 2003 WDOH Inspectors conducted a Level II field inspection of the 296-H-212 Stack at the Canister Storage Building in the 200 East Area.
- On January 27, 2003 WDOH and ECOLOGY inspectors conducted an inspection of a newly constructed on-site sewer system (Project L-338).
- On January 27-28, 2003 WDOH conducted an inspection of the T Plant facility stack.
- RL requested and was provided with a listing of the FH regulatory agency inspections for FY 2001 and FY 2002.
- FH compliance Services provided training assistance to four inspectors from WDOH during this reporting period.

Spill and Release Reporting: There were four non-reportable incidents (three involving release of a hazardous substance and/or a petroleum product, and one involving potential for increased radiation emissions). There were no reportable events with a release to the environment. Two reportable code non-compliance events were reported directly to the regulatory agencies by the FH single-point-of-contact through the Occurrence Notification Center (ONC).

Systems Engineering and Integration (SEI)

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:

- Worked with FH and RL managers to evaluate the formal reports that FH provides to RL. There will be 135 reports in the revised Project Hanford Management Contract (PHMC) Statement of Work (SOW). Eighty-one reports were deleted by mutual agreement with RL, and 43 were identified as not applicable. The changes to the PHMC SOW will be issued as part of Modification 174.
- Continued gathering facility information to support the rough order of magnitude (ROM) model analysis for the Central Plateau Remediation Project (CPRP). This information will be used to support the FH June 30, 2003 Integrated Lifecycle Baseline deliverable.

- Updated the FH technical baseline in the Hanford Site Technical Database (HSTD) to reflect PHMC Modification 172 to support the FH January 30, 2003 Interim Reporting Baseline.
- Worked with the FH Projects to define the WBS in support of the June 30, 2003 Integrated Lifecycle Baseline.

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

- Working with CH2M HILL Hanford Group, Inc. (CH2M Hill) and Spent Nuclear Fuel (SNF) Project to clarify interface within the Canister Storage Building relative to receipt and storage of Immobilized High Level Waste from the Waste Treatment Plant.
- Continuing to work with the FH Project to identify interface management documentation for the FH interfaces.
- Working to develop input for the Contract's web page to demonstrate connectivity from the Contract to the Projects WBS dictionaries. The web page will also identify all PHMC deliverables and Government Furnished Services/Items (GFS/GFI). It will identify responsible FH organizations, applicable WBS and current status (including associated transmittal letters).

Hazardous Materials Management and Emergency Response (HAMMER)

Hanford Site Training at HAMMER: HAMMER's first priority is to deliver hands-on training to the Hanford workforce. During January, 169 classes were conducted for a total of 2,690 Hanford site student days. Highest attended health and safety classes included Hazardous Waste Operations, Respiratory Protection, Radiation Worker II Re-qualification, Tank Farms Operations Continuing training and Basic Medic First Aid training.

Brokered Classes: In support of the Hanford site training needs, HAMMER brokered or facilitated 25 training sessions covering 19 specific course contents including facility specific, site specific and multi-contractor training. The topics covered Six Sigma Training for BHI, W-314 Project Training, Immobilized Low Activity Waste Strategic Planning Training, a RL Security Emergency Services workshop and multiple sessions of Tank Farms Continuing Training for CH2M HILL. Multi-contractor training was also provided for National Fire Protection Association 70 Parts II and III, Hanford Transportation Safety, FacilliSkills and Water Hammer safety.

Emergency Vehicle Operations Course (EVOC) Construction: Construction of the EVOC began on January 14, 2003, and is progressing quickly. Most of the earthwork on the 1.36-mile track and the 1200 foot skid pan has been completed, leaving only the 400 square foot skills pad to be leveled and graded. Rock for the base course and finish course will be hauled in and placed in early February. Paving of the entire EVOC will begin in mid to late February, if weather allows. To date, there have been no major problems with construction due to inclement weather.

Voluntary Protection Program (VPP) Self-Assessment: The annual VPP Self-Assessment was completed. The review team concluded that the HAMMER/Hanford Training program continues to comply with all requirements for a DOE-VPP Star site. Observations and recommendations for continuous improvement are documented on the score sheets and Corrective Action Plan sections of the annual VPP Self-Assessment report.

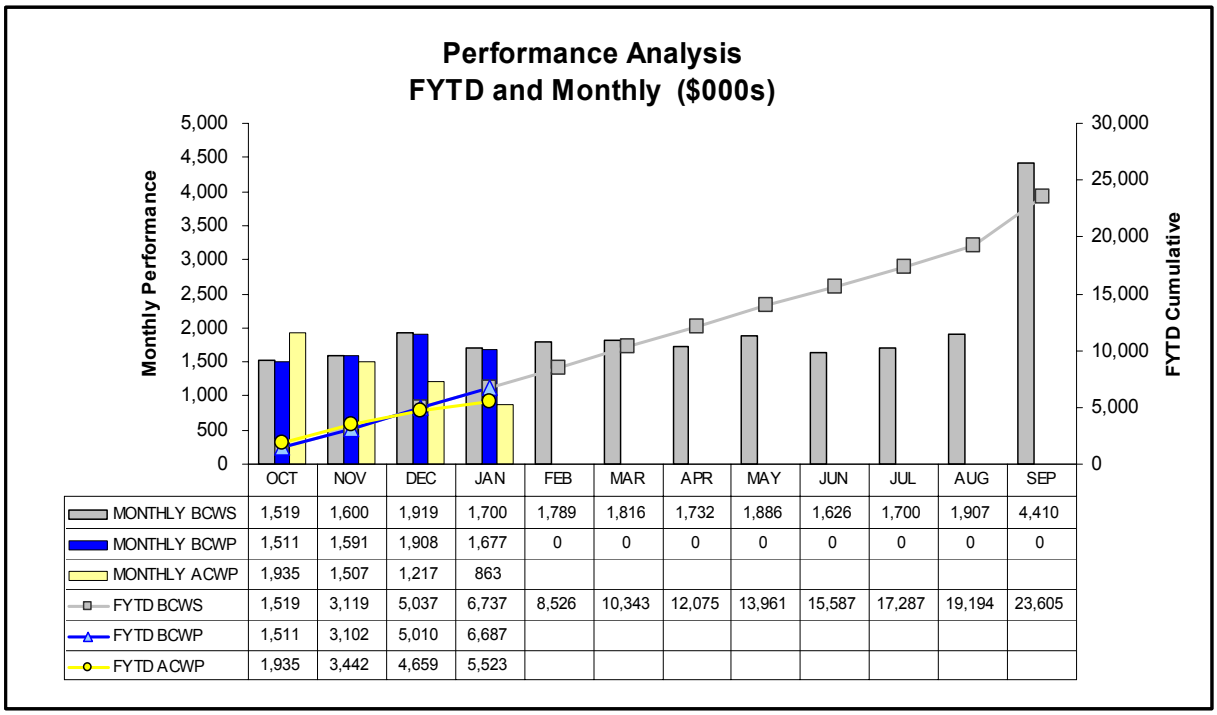
PNNL starts new project at the Port of Entry Prop: The project is testing enhanced methods for detecting Highly Enriched Uranium hidden in vehicles, using spectral gamma-ray detectors. The detectors are located in the ground, and they look upward at passing vehicles. The in-ground position allows the detectors to be aimed toward the sky, where interfering background radiation is minimal.

FY03 SCHEDULE/COST PERFORMANCE ($000)

Schedule Performance: The schedule performance variance of .7% ($50k) is within the established +/- 10 and/or $1M percent threshold.

Cost Performance: The positive cost performance variance of 17.4% ($1,165k) is mainly due to a restraint in discretionary spending while we are in continuing resolution and an over-liquidation due to revenue being planned at 32.4% while it is presently being allocated at 36.4%. This over-liquidation could result in a potential favorable cost pass-back to customers or reduction in rates.

		BCWS	BCWP	ACWP	SV	SV%	CV	CV%	BAC
PBS SS01									
WBS 3.4.1	Total	6,737	6,687	5,523	(50)	-0.7%	1,165	17.4%	23,605



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY BCWS	1,519	1,600	1,919	1,700	1,789	1,816	1,732	1,886	1,626	1,700	1,907	4,410
MONTHLY BCWP	1,511	1,591	1,908	1,677	0	0	0	0	0	0	0	0
MONTHLY ACWP	1,935	1,507	1,217	863								
FYTD BCWS	1,519	3,119	5,037	6,737	8,526	10,343	12,075	13,961	15,587	17,287	19,194	23,605
FYTD BCWP	1,511	3,102	5,010	6,687								
FYTD ACWP	1,935	3,442	4,659	5,523								

FY 2003 FH FUNDS VS FORECAST ($000)

		Expected Funds	Spend Forecast	Variance
3.4.1	Site Integration RL-SS02	$ 23,630	$ 20,572	$ 3,058
	Post 2006 - Operating			