

SUMMARY

Mission Support, Project Baseline Summary (PBS) OT01, consists of four sub-projects:

- Planning and Integration (Work Breakdown Structure (WBS 1.8.2.1)
- Systems Engineering (WBS 1.8.2.2)
- Environmental Compliance (WBS 1.8.2.3)
The Environmental Compliance Program is composed of two elements. These two elements were stand-alone programs known as the Hanford Environmental Management Program (HEMP) and the Effluent and Environmental Monitoring Program (EEM) prior to FY99. Although there is a single program, these elements retain their identity on the Integrated Priority List as two separate Units of Analysis.
- Public Safety and Resource Protection (WBS 1.8.2.4)

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, and Cost/Schedule data contained herein is as of January 31, 2000. All other information is as of March 1, 2000.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, FO, and RL) shows that 7 of 8 milestones (88 percent) were completed on or ahead of schedule, 1 milestone (12 percent) was completed late. The Milestone Achievement details, found following cost and schedule variance analysis, provide further information on all milestone types. Additional details on the forecast late milestone can be found in the milestone exception report.

Site, Planning and Integration (SP&I)

FY 2001 Budget Cycle — The Limited Project Baseline Summary (PBS) update was delivered to DOE-HQ on January 12, 2000. This update supported the completion of the FY 2001 President's Budget request to Congress. Updates to PBS's for the FY 2002 Budget Formulation Cycle are being prepared and updated based on the latest Mission Planning Guidance (MPG) requirements and guidance from DOE-HQ.

Integrated Priority List (IPL) Module Enhancements — Based upon new functionality requirements as identified in the MPG, as well as changes brought about by the Office of River Protection split, Site Planning and Integration (SP&I) completed an update of the prioritization system to add new data elements, new sort functionality, and new report formats in support of the work prioritization process. Modifications also included the ability to generate individual IPLs for each contractor in support of RL's new role as integrator. These actions were directed pending submission and approval of a baseline change request to incorporate the scope and additional funding requirements in the SP&I Multi-Year Work Plan (MYWP).

Code of Account Modifications — With the implementation of the Hanford Data Integrator 2000 systems, FH utilized a Code of Account (COA) capability to simplify the work breakdown structure for managing FH's project work. As part of FY 2000 startup, an evaluation was made to assess the utilization of the COA's that were put in place. The evaluation resulted in a number of changes in

COA's which are used to track cost of activities common to all FH projects. Changes in the COA's included additions in areas where activities needed more detailed definition, and elimination in other areas where they were determined to be redundant or not useful. During January, SP&I and Finance worked with projects to complete updates to coding on existing contracts and documents to the updated COA assignments.

FY2002 Budget Formulation Cycle — In mid-to-late January, SP&I staff reviewed and commented on improvements and concerns included in the Draft Mission Planning Guidance (MPG). The MPG was issued on January 24, 2000. The MPG specified FH deliverables for the FY 2002 Budget Formulation process ranging from January through June 2002. Separate MPG's were issued to BHI, PNNL and ORP making them responsible for their own budget submissions during this Budget Cycle. SP&I will not act as the integrator for the RL IPL. This is a change from SP&I's role in past years.

In accordance with the MPG, the Draft Project Priority Lists (PPLs) were delivered on January 27, 2000. FH held reviews of the FY2001 PPLs with each of the Projects. The reviews consisted of checking for data quality and completeness.

The Integrated Priority List (IPL) Module was available on January 27, 2000 to produce the projects' submission of the Project Priority Lists (PPLs), and to support the development of the FH Draft FY 2002 IPL. Significant effort was made to train project staff, provide guidance on the new system, and ensure reporting requirements were met. Changes continue to be made on a quick turnaround basis.

Paths to Closure Documents Delayed — DOE-HQ delayed issuance of the National and Site *Paths to Closure* documents to allow for further review. As of this writing, the authorization to print has not yet been provided.

Integrated, Planning, and Budget System (IPABS) Training — Six representatives from DOE-HQ delivered IPABS user training at the Hanford Training Center and HAMMER on January 25-26, 2000. Module specific and general overview training was provided to site contractor personnel. The training included a system overview as well as specific orientation on the planning, budget, project execution, and reporting modules. The training also included instruction on the electronic batch loading process and an on-line demonstration.

Modeling Tool Development — SP&I was requested to develop a summary schedule product for assessing various "what-if" scenarios and associated impacts to work scope priorities. Several sessions were conducted to quantify product requirements, cost, and schedule. Effort to develop this product utilizing project-level resource schedules was initiated in late January with a projected completion date of early May. This activity is being performed in place of existing schedule products pending submission and approval of a baseline change requesting additional funding to support the effort.

Inspector General Activities — FH supported involvement with the Office of Inspector General (OIG) regarding the FY 1999 Financial Statements for the Environmental liabilities requirements. In support of the OIG audit, FH provided narratives addressing subsequent events that occurred since

September 30, 1999, that have a significant impact (materiality threshold of \$5 million or greater) on the DOE RL/ORP financial statements. *[Ed. note: All necessary support was provided and on February 14, 2000 RL indicated that the action was completed.]*

Call for Independent Centers — On January 26, 2000, DOE-HQ requested information from RL-Budgets on Independent Centers. This was a follow-up to an early request to meet requirements specified in the Energy and Water Defense Appropriation (EWDA) Conference Report (106-335) that directed the Department of Energy to provide the House and Senate Committees on Appropriations a list of all such centers at each laboratory or facility, their annual cost, number of employees, and source of funding. FH was requested to support in evaluating which activities might meet the definitions of an Independent Center. The only one under FH's responsibility that may meet the criteria is HAMMER; a summary write-up of HAMMER was provided.

Environmental Compliance Program (ECP) — Three ECP Milestones were due in January. Two of these were completed early and one was completed on time.

Spill/Release Reporting:

For the month of January, ECP coordinated the reporting activities for five (5) non-reportable releases to the environment of hazardous substances and/or petroleum products, one (1) reportable event with a release to the environment and six (6) reportable code non-compliance events reported to the off site regulatory agency(s) without a release to the environment.

Inspections/Assessments

Coordinated 5 regulator inspections and followed up on information requests pertaining to these and past inspections:

- January 6, Washington State Department of Health (WDOH) performed a Minor Stack Inspection at the 222-S Laboratory Complex.
- January 13, WDOH performed an EPA Level II inspection of the EP-324-0-S Stack located at the 324 facility.
- January 26, WDOH performed an initial inspection including a kickoff meeting for investigating Emergency Preparedness.
- January 27, Ecology performed follow-up inspection at T-Plant and 222-S on the M-32 milestone.
- January 31, WDOH performed a Minor Stack Inspection on the stacks located at the PFP complex.

Field and regulatory file assessments of Central Waste Complex (CWC), Low-level Burial Ground (LLBG), 616 Non-Radioactive Dangerous Waste Storage Facility (NRDWSF), and T- Plant were completed in January.

RCRA Permit Revision and Implementation:

Prepared draft Permit for Corrective Action portion, which reflected the comments, that DOE sent to Ecology on December 20, 1999. The draft Permit was prepared at the request of Department of Energy-Office Support Systems (DOE-OSS) to support negotiations between DOE and the regulators on the Corrective Action portion of the Permit.

The comment package submitted for Modification E of the Permit was distributed for review. The package excluded the draft Permit Conditions that were accepted in the comment package. The TSD units were requested to indicate which comments would be under consideration for appeal of the Permit. This effort was initiated to support an appeal decision once Revision 6 of the Permit is issued by Ecology.

Prepared draft Attachment 27, Permit Modification Schedule to reflect the comments provided to Ecology in Modification E. The draft of Attachment 27 will be provided to Ecology at the February Permit Steering Committee meeting.

Supported DOE-OSS with the January 10, 2000, transmittal of the Quarterly Class 1 Permit modification for quarter ending December 31, 1999. Units included in the modification package were the Liquid Effluent Retention Facility/East Tank Farm (LERF/ETF), 242-A Evaporator, and the 305-B Storage Facility.

Air Support

Provided assistance to PFP by locating previous permitting/compliance documentation regarding use of muffle furnaces at the facility.

Supported the B Plant by addressing BHI-based concerns regarding a possible need for a continuous air monitor (CAM) on the new B Plant main stack. Based upon initial data supplied by the facility, a position was offered showing that the potential emissions at the stack did not trigger the DOE-RL requirements for CAM operation. This action supports the transfer of the facility to BHI on schedule.

Supported 222-S by gathering background documentation and successfully demonstrating that recent upgrades of the 222-S main stack vent system were adequately approved by the WDOH. This support allowed the facility to successfully respond to concerns from the WDOH and avoid further compliance action.

Supported the RCP by providing a thorough assessment of calibration requirements associated with differential pressure (DP) gauges and rotameters.

Project Support/Coordination

Supported ES&H involvement in FH process for confirming readiness for RL to proceed with certifying that they are prepared to support the next phase of the ORP/BNFL vitrification plant.

Performed an assessment of Environment and Regulation readiness to support SNF operations. The assessment concluded that environment and regulation resources are adequate and properly trained to support SNF operations.

Continued recovery program actions for the Waste Sampling and Characterization Facility (WSCF) Test Method deviation issue and associated sitewide impacts, including:

- issued 3 status updates for the Resource Conservation and Recovery Act (RCRA) Focus Action Plan
- drafted Land Disposal Restrictions (LDR) action plan for submittal to Ecology
- supported development of a draft 200.8 Deviation/RCRA Position Paper

Management and Administrative Support

Initiated Integrated Environmental Safety and Health Management Systems (ISMS) readiness activities including establishment and indoctrination of an Environmental Services (ES) Readiness Assistance Team and preparation of desk instructions to cover ES activities that were not covered by procedures.

Public Safety and Resource Protection (PSRP) – The PSRP Program Projects were all conducted in accordance with the scope, milestones, and budget defined in the FY 2000 PSRP Program (PBS #RL-OT01) Multi-Year Work Plan during January.

ACCOMPLISHMENTS

- The deliverable, Support RL in the update of the MPG was completed on January 20, 2000.
- The deliverable, Support MPG development with Strategic Planning Group was completed on January 20, 2000.
- The milestone, ECP-00-303, RCRA Permit Class 1 Modification Quarter 2 due on 01/03/00, was completed 12/16/99, 18 days ahead of schedule.
- The milestone, ECP-00-402, Provide RL with Air/Water Permitting Schedule, due on 01/04/00, was completed on schedule.
- The milestone, ECP-00-902, Issue Quarterly NESHAP Status Report to RL for EPA, due on 01/28/00, was submitted on 01/13/00, 15 days ahead of schedule.
- PNNL Key Milestone RLOT013002, "Issue CY 2000 Environmental Surveillance Master Sampling Schedule," was completed, January 27, one month ahead of schedule.
- The article "Mule Deer Antlers as Biomonitors of Strontium-90 on the Hanford Site" was published in the Journal of Environmental Radioactivity (Vol. 47:29-44). Authors were B.L. Tiller and T.M. Poston. This was an account of work performed under the Surface Environmental Surveillance Project and the Ecosystem Monitoring Project.
- The Draft Hanford Site Historic District Book (PNNL Key Milestone RLOT015003) was completed and submitted for public review during the month.

A number of significant activities occurred during January to support the interagency (Washington

Department of Fish and Wildlife [WDFW], US Fish and Wildlife Service, and DOE) effort to reduce the Rattlesnake Hills elk herd. They included:

- Comments to the WDFW Elk Management Plan were provided to the WDFW on January 28.
- Initial radiological data on radioactive materials concentrations in elk tissue were summarized and presented at a series of three public meetings held in eastern Washington (Kennewick, January 12; Clarkston, January 13; and Newport, January 14).
- Analysis for elk tissue samples continued from three samples provided by the Nez Perce Tribe and for fecal samples from Hanford.
- Work continued on flight safety planning for helicopter use during the elk capture scheduled for March.
- The winter post-harvest census for elk was completed during January. Approximately 740 elk were observed within the Rattlesnake Hills herd and all of the animals were concentrated in several large herds on the Fitzner/Eberhardt Arid Lands Ecology Reserve. Also, the historic data on elk harvests maintained by the Project were summarized. Both the current census data and the harvest summary were provided to the WDFW to support management planning for the Rattlesnake Hills elk herd, in particular the planning for the herd reduction that is in progress.

Mission Support currently has no status to report in the areas of Safety, Conduct of Operations, ISMS Status, Breakthroughs, Opportunities for Improvement, and Upcoming Activities.

COST PERFORMANCE (+1.2M):

	BCWP	ACWP	VARIANCE
Mission Support 1.8.2	\$7.4	\$6.2	+\$1.2

The \$1.2 million (eleven percent) favorable cost variance is due to Site Systems Engineering straight lining the vendor support for Site Level Analysis and Modeling. The vendor has performed the majority of their workscope during the first 4 months of the fiscal year. It is also caused by accrual reversals for which no offsetting payments were entered into the financial tracking system. The FY 1999 accruals were inadvertently reversed prior to actual charges hitting. A smaller portion of the variance is attributed to less than anticipated activity in some level-of-effort activities. The remainder of the favorable variance is primarily due to Chemical Management contract costs to date being less than anticipated in the Environmental Compliance Program.

SCHEDULE PERFORMANCE (\$-0.4M):

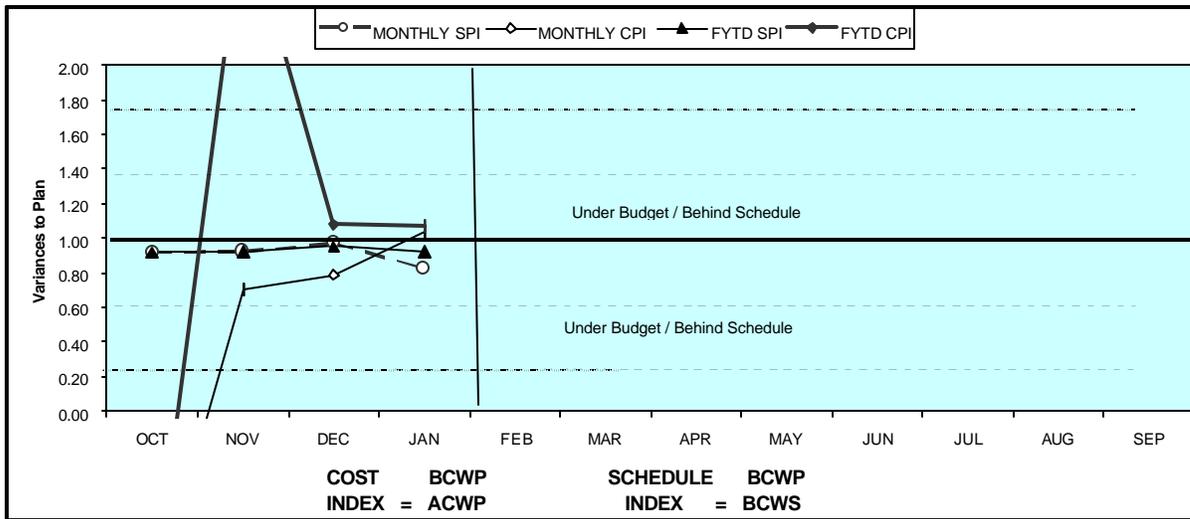
	BCWP	BCWS	VARIANCE
Mission Support 1.8.2	\$7.4	\$7.0	-\$0.4

The \$0.4 million (five percent) unfavorable schedule variance is within acceptable reporting thresholds.

FY 2000 COST/SCHEDULE PERFORMANCE – ALL FUND TYPES
MISSION SUPPORT
WBS 1.8
CUMULATIVE TO DATE STATUS – (\$000)

		FYTD										
Bv PBS		BCWS	BCWP	ACWP	SV	%	CV	%	Auth Bsln	PTS	BCWS	Rating
1.8.1	RL Directed											
OT04	Supported	\$ 5,706	\$ 5,064	\$ 5,033	\$ (642)	-11%	\$ 31	1%	\$ 17,962	\$ -		
	Mission											
1.8.2	Support Other											
OT01	MYPs	\$ 7,384	\$ 7,040	\$ 6,287	\$ (344)	-5%	\$ 753	11%	\$ 25,589	\$ 28,053		Yellow
Total		\$ 13,090	\$ 12,104	\$ 11,320	\$ (986)	-8%	\$ 784	6%	\$ 43,551	\$ 28,053		

COST/SCHEDULE PERFORMANCE INDICES
(JANUARY 2000 AND FYTD)



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.92	0.92	0.97	0.83								
MONTHLY CPI	-1.15	0.70	0.79	1.04								
FYTD SPI	0.92	0.92	0.95	0.92								
FYTD CPI	-1.15	2.90	1.08	1.07								
MONTHLY BCWS	\$1,848	\$2,071	\$6,381	\$2,790								
MONTHLY BCWP	\$1,694	\$1,907	\$6,199	\$2,304								
MONTHLY ACWP	(\$1,478)	\$2,720	\$7,858	\$2,220								
FYTD BCWS	\$1,848	\$3,919	\$10,300	\$13,090								
FYTD BCWP	\$1,694	\$3,601	\$9,800	\$12,104								
FYTD ACWP	(\$1,478)	\$1,242	\$9,100	\$11,320								

ISSUES

Nothing to report.

COST VARIANCE ANALYSIS: (+1.2M)

WBS/PBS

Title

1.8.2/OT01 Mission Support

Description/Cause: The \$1.2 million (six percent) favorable cost variance is due to straight lining the vendor support for Site Level Analysis and Modeling. The vendor has performed the majority of their workscope during the first 4 months of the fiscal year. It is also caused by accrual reversals for which no offsetting payments were entered into the financial tracking system. The FY 1999 accruals were inadvertently reversed prior to actual charges hitting. A smaller portion of the variance is attributed to less than anticipated activity in some level-of-effort activities. The remainder of the favorable variance is primarily due to Chemical Management contract costs to date being less than anticipated in the Environmental Compliance Program.

Corrective Action: The only Corrective Action requirement is the FY 1999 commitments will be re-accrued until actual charges are received

SCHEDULE VARIANCE ANALYSIS: (-\$0.4)

1.8.2/OT01 Mission Support

The \$0.4 million (eight percent) unfavorable schedule variance is within acceptable reporting thresholds.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS (\$000)

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY00 COST IMPACT \$000	SCH	TECH	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
SPI-2000-002	10/22/99	FY 1999 Carryover Scope	\$248	X	X	2/3/00	2/3/00		In process
SPI-2000-006	2/17/00	Modeling Tool & IPL Module	\$117	X	X	2/17/00	2/17/00		In Process
PSR-2000-001		Scope Additions FY 2000							
		Alignment of Budget/Scope to Funding Allocation and Incorporation of FY 1999 Carry Over	\$193	X					
PSR-2000-003		Adjust project baseline to reflect repricing changes to Basis of Estimate, FY 1999 SAR Implementation in FY 2000 and incorporation of carry over.	\$138	X	X				
ADVANCE WORK AUTHORIZATIONS									
		Nothing to report.							

MILESTONE ACHIEVEMENT

Tri-Party Agreement / EA Milestones			
Number	Milestone Title	Status	Complete
ECP-00-302	RCRA Permit Class 1 Mod Notification Quarter 1 (For Year 2000-2046)	10/01/1999	09/30/1999
ECP-00-702	RCRA RPTS/DOCS Closure/Post Closure Cost Est. to RL	10/22/1999	10/06/1999
ECP-00-901	Issue Quarterly NESHAP Status RPT to RL for EPA	10/22/1999	10/20/1999
EPC-00-306	Annual Asbestos Notification of Intent (For Year 2000-2046)	12/31/1999	12/14/1998
ECP-00-303	RCRA Permit Class 1 Mod Notification Quarter 2 (For FY 2000-2046)	01/01/2000	12/16/1999
ECP-00-902	Issue Quarterly NESHAP Status RPT to RL for EPA	01/22/2000	01/17/2000
ECP-00-410	Annual PTRAEU Report to DOE-RL (For FY 200-2046)	02/01/2000	overdue pending BCR
ECP-00-701	Annual Noncompliance Report to RL	02/24/2000	02/09/2000
ECP-00-503	1999 Hanford Site Annual Dangerous Waste Report (FY 2000-2046)	02/22/2000	02/22/2000
ECP-00-501	Tier II Emergency & Hazardous Chemical Inventory	02/22/2000	02/23/2000
ECP-00-003	Biennial Assess. Of Info. & Data Access Needs EPA/ECO (2000-2046)	03/31/2000	
ECP-00-801	Transmit EIS/ODIS Data to INEEL (FY 2000-2046)	04/01/2000	
ECP-00-802	Non-Radioactive Airborne Emissions Report (FY 2000-2046)	04/01/2000	
ECP-00-304	RCRA Permit Class I Mod Notification Quarter 3 (For FY 2000-2046)	04/02/2000	
ECP-00-904	Issue Quarterly NESHAP Status Report To RL for EPA	04/21/2000	
ECP-00-803	Issue Annual Radionuclide Air Emissions Report (For FY 2000-2046)	06/15/2000	
ECP-00-502	EPCRA Section 313 Toxic Chemical Release Inventory	06/24/2000	
ECP-00-504	Annual Document Log – June	06/24/2000	
ECP-00-305	RCRA Permit Class I Mod Notification Quarter 4 (For FY 2000-2046)	07/02/2000	

ECP-00-505	PCB Annual Report – July	07/08/2000
ECP-00-507	Annual LDR Report (M-26-01)	04/23/2000
ECP-00-906	Issue Quarterly NESHAP Status Report to RL for EPA	07/28/2000
ECP-00-703	Coordinate RCRA Pipe Mapping and Marking (For FY 2000-2046)	09/21/2000
ECP-00-301	RCRA General Facility Inspections (For FY 2000-2046)	09/30/2000
DNFSB Commitments		
Nothing to report.		

MISSION SUPPORT – WBS 1.8 MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2000
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	4	0	0	0	0	25	0	29
DOE-HQ	0	0	0	0	0	1	0	1
RL	3	0	1	0	0	21	0	25
Total Project	7	0	1	0	0	47	0	55

MILESTONE EXCEPTION REPORT

<u>Number/WBS</u>	<u>Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast Date</u>
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OVERDUE – 0

FY 1999 OVERDUE - 0

PERFORMANCE OBJECTIVES

Nothing to report.

KEY INTEGRATION ACTIVITIES

Nothing to report.