



Section B:2

Analytical Services (222-S, HASP, WSCF)

PROJECT MANAGERS

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SUMMARY

The Analytical Services (AS) Project [222-S, Hanford Analytical Services Program (HASP), Waste Sampling and Characterization Facility (WSCF)] consists of Analytical Services, PBS WM06, WBS 1.2.4.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, Milestone Achievement, and Cost/Schedule data contained herein is as of September 30, 2001. Other data is updated as noted.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, DOE-RL) shows one milestone completed on schedule.

TOP 5 ACCOMPLISHMENTS FOR FY 2001

Significant improvement in the safety performance of the Analytical Services Project was realized from FY 2000 to FY 2001. The Lost Away Case rate dropped from 0.9 cases per 200,000 hours to zero in FY 2001. The OSHA Recordables rate dropped from 4.1 to 0.9 cases per 200,000 hours. The DOE Safety Cost index dropped from 30.5 to 7.7 cents per hour.

The analytical laboratories provided key support to site cleanup milestones. In fiscal year 2001, Analytical Services completed 12 of 12 high level waste tank grab samples and 6 of 6 high level waste tank vapor samples, satisfying River Protect Project Performance Incentives and milestone ASP-01-001 "Analysis of ORP HLW Samples".

Ninety-six contaminated HEPA filters, vintage 1978, were successfully replaced and tested at the 222-S Laboratory in July 2001. Disruption of analytical work was avoided, and no injuries or skin contaminations occurred. A high level of teamwork and planning was involved in order to complete this work safely under high temperature conditions.

The transfer of 3,440 gallons of waste from 219-S to Tank Farms was completed. This was a team effort encompassing every group in the laboratory as well as multiple groups at CHG. The transfer was required to avoid impacts to analytical operations at the 222-S laboratory, due to potential limitations with staging future liquid waste.

WSCF performance was also recognized by RL. A plaque was presented to Analytical Services, stating "WSCF personnel displayed dedication and persistence to enable key Hanford objectives, including the first shipments of waste to WIPP and continued operation of liquid effluent facilities, while completing move of vapor analysis for increased efficiency."

ADDITIONAL FY 2001 ACCOMPLISHMENTS

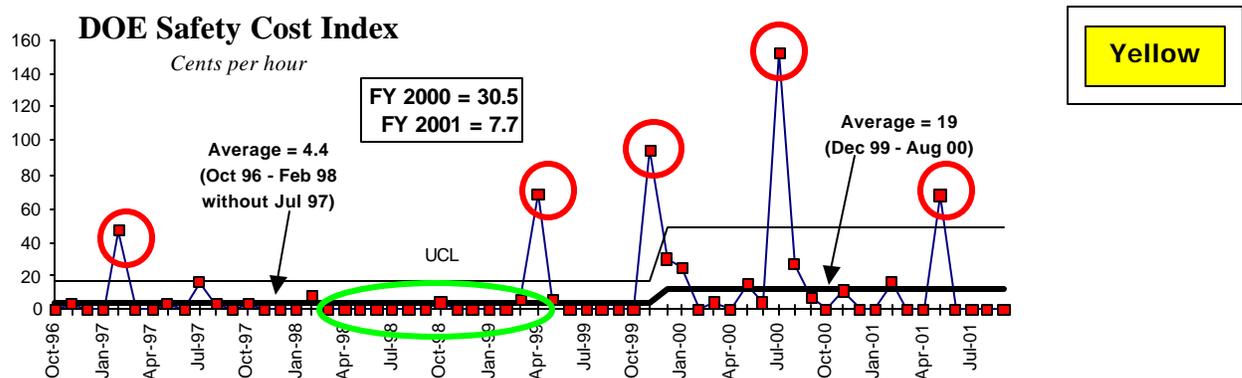
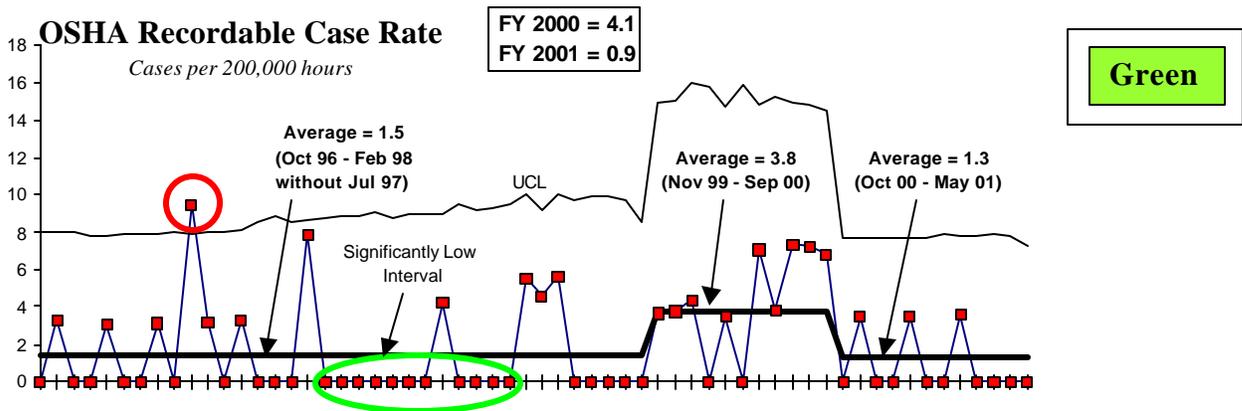
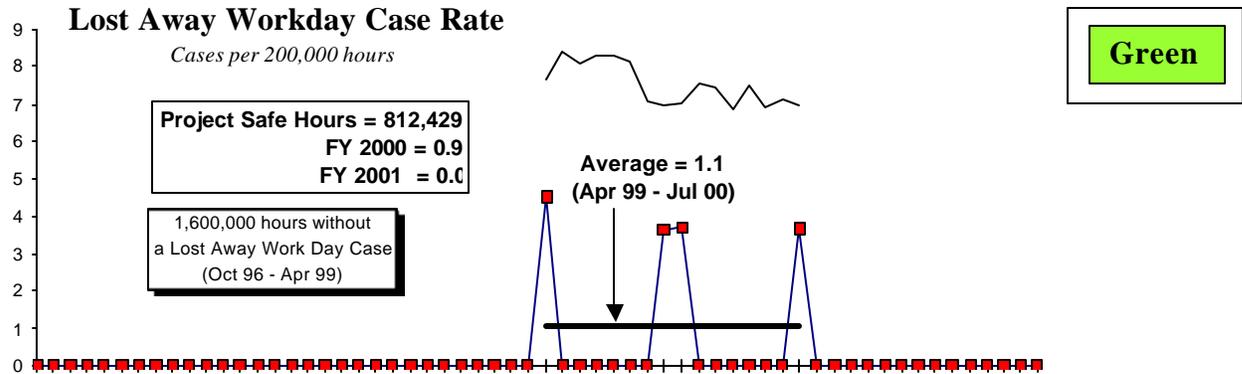
The Waste Sampling and Characterization Facility (WSCF) performed 14,900 analyses through August 2001 for a wide variety of customers. Production through September 30, 2001 was 16,133 analyses.

Analytical Services was restructured in June to establish a new Production Control Function. This function consolidates Analytical Services Project Coordination, Client Services, Integrated Scheduling, and Laboratory Information Management to improve planning and scheduling of the analytical process and all support work in the 222-S and WSCF laboratories.

The Hanford Health and Safety Exposition was conducted in May at the TRAC facility in Pasco. There were 118 exhibits and vendors. The booths sponsored by Analytical Services were selected as the "Most Interactive" by an overwhelming percentage of the 20,144 attendees of EXPO. The EXPO Staff collectively selected the Analytical Services booths as the "Best of Show."

SAFETY

In September 2001, there were no Restricted Workday cases, four First Aid Cases and one report only case.



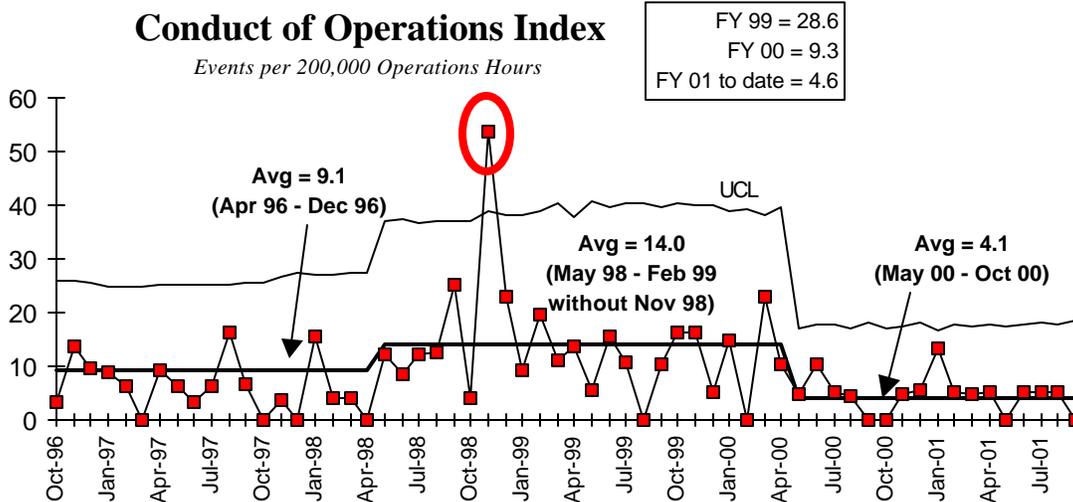
ISMS Status

Green

Analytical Services ISMS status is included in the Waste Management Project Section of this report.

CONDUCT OF OPERATIONS

Green



BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs / Opportunities for Improvement

Green

Nothing to report at this time.

UPCOMING ACTIVITIES

ORP Waste Treatment Plant (WTP) - Support RL and Office of River Protection (ORP) efforts to evaluate options for long-term high-activity laboratory support to the Site cleanup mission (i.e. 222-S, WTP laboratory, a new laboratory, etc.).

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	0	1	0	0	0	0	0	1
Total Project	0	1	0	0	0	0	0	1

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.

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

MILESTONE EXCEPTION REPORT

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

Forecast Late – 0

Performance Objectives

Laboratory Production



The analytical laboratories provided key support to site cleanup milestones. In fiscal year 2001, Analytical Services completed 12 of 12 high level waste tank grab samples and 6 of 6 high level waste tank vapor samples, satisfying River Protect Project Performance Incentives and milestone ASP-01-001 "Analysis of ORP HLW Samples".

FY 2001 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES (\$000)

Green

By PBS		FYTD							
		BCWS	BCWP	ACWP	SV	%	CV	%	BAC
WBS 1.2.4	Analytical	\$ 32,088	\$ 31,712	\$ 31,087	\$ (376)	-1%	\$ 625	2%	\$ 32,088
PBS WM06	Services								
Total		\$ 32,088	\$ 31,712	\$ 31,087	\$ (376)	-1%	\$ 625	2%	\$ 32,088

FISCAL YEAR SCHEDULE / COST PERFORMANCE

There is no significant schedule or cost variance.

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: (-\$0.4M)

Analytical Services — 1.2.4/WM06

Description and Cause: The \$0.4 million (1 percent) unfavorable schedule variance is within the established thresholds.

Impact: No impact.

Corrective Action: No corrective action required.

Cost Variance Analysis: (+\$0.6M)

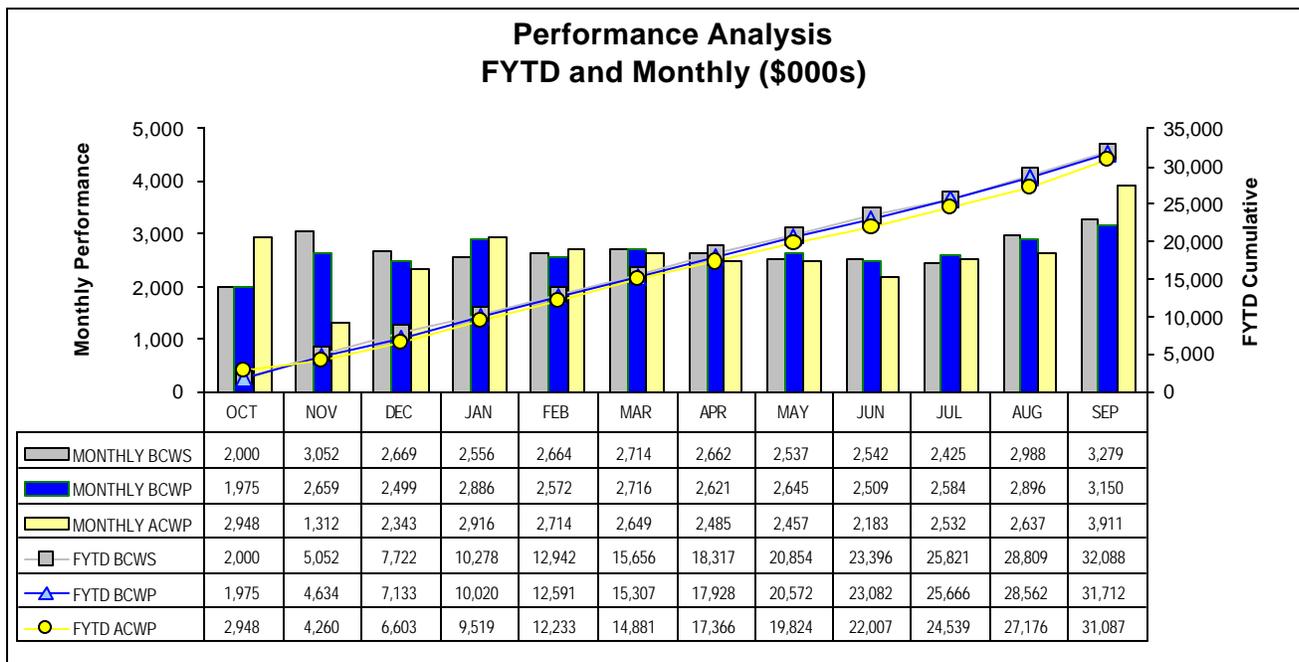
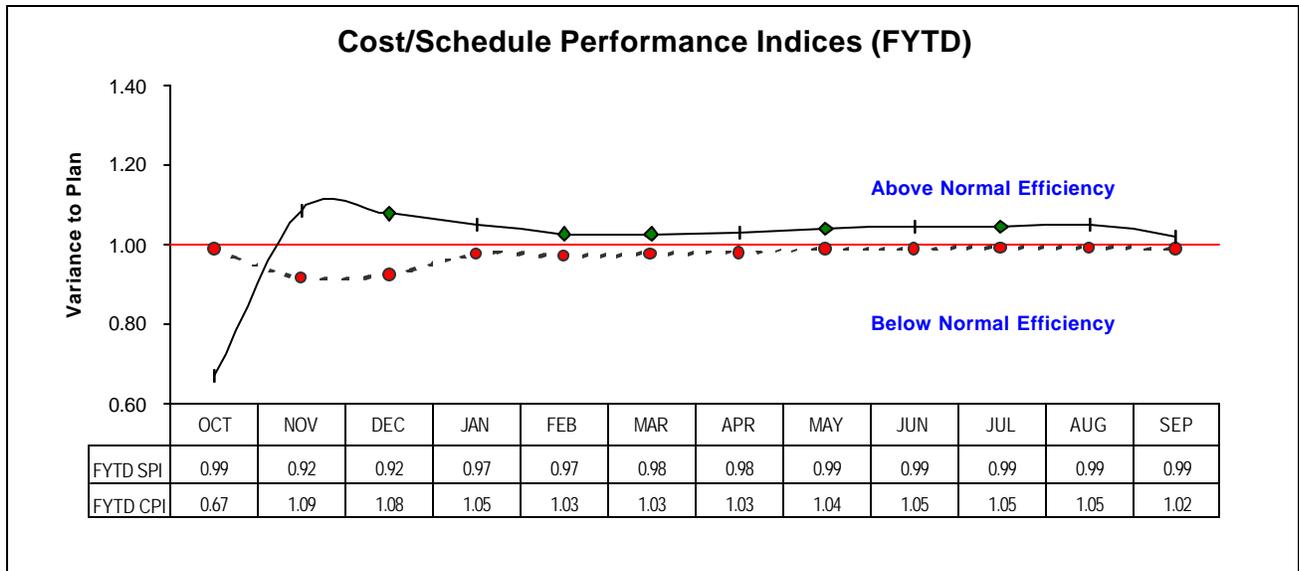
Analytical Services — 1.2.4/WM06

Description and Cause: The \$0.6 million (2 percent) favorable cost variance is within the established thresholds.

Impact: No impact.

Corrective Action: No corrective action required.

SCHEDULE / COST PERFORMANCE (FISCAL YEAR)



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



		FY 2001 Funds	FY 2001 Actual Costs	Uncosted
1.2.4	Analytical Services			
	WMO6			
	Post 2006 - Operating	\$ 30,799	\$ 30,198	\$ 601
	Total	\$ 30,799	\$ 30,198	\$ 601

[Status through September 30, 2001]

ISSUES

DOE, Regulatory, External, Technical Issues and DOE Requests

None identified at this time.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY01 COST IMPACT \$000	S C H	T E C H	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
Nothing to report.									
ADVANCE WORK AUTHORIZATIONS									

KEY INTEGRATION ACTIVITIES

- Continue to support DOE-RL and ORP efforts to establish required analytical support for Waste Treatment Plant (WTP) design and operation.
- Support CHG high-level waste tank and feed to WTP characterization.