

Pacific Northwest National Laboratory Environmental Management Performance Report

July 2000

**PREPARED FOR THE U.S. DEPARTMENT OF ENERGY, RICHLAND OPERATIONS OFFICE
OFFICE OF ENVIRONMENTAL MANAGEMENT**

**Pacific Northwest National Laboratory
Operated for the U.S. Department of Energy
by Battelle Memorial Institute**

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This document provides the Department of Energy Richland Operations Office (DOE-RL) with a report of the Pacific Northwest National Laboratory (PNNL) performance by Battelle Memorial Institute and its subcontractors.

In Section A, the Executive Summary, text and graphics report the safety metrics status for all PNNL activities. Senior management's overall performance assessment of all Environmental Management activities conducted at PNNL is presented in a stoplight chart.

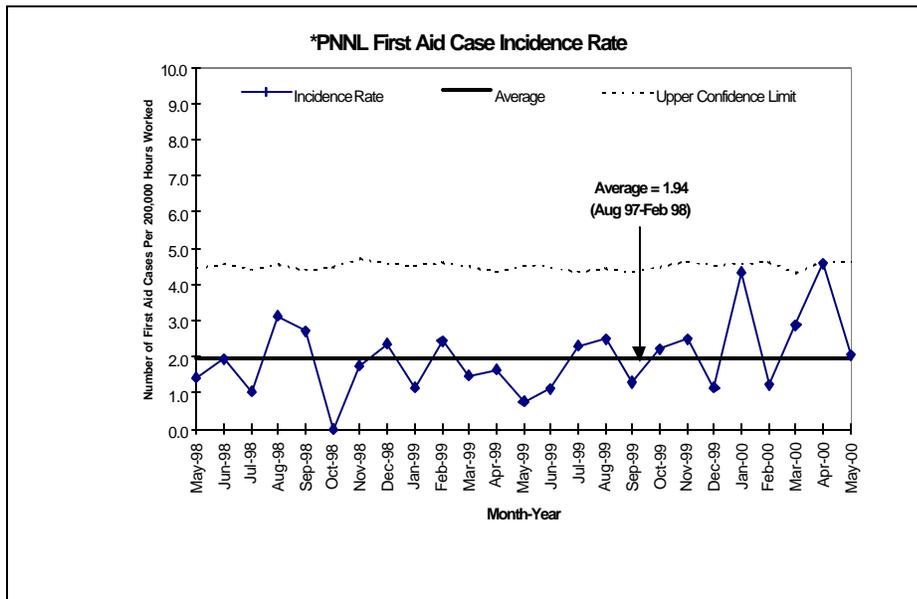
Section B, Project Performance Summary, provides a brief summary of the month's performance for the PNNL lead activity, PNNL Waste Management (PBS RL-ST01). More detailed information can be found within PNNL-7911-104a, PNNL's Project Status Report for May 2000. Summary analyses pertaining to PNNL's support to other Project Baseline Summaries (PBSs) are addressed in the contractor's report having lead responsibility for that scope.

Unless otherwise noted, information in this report is current as of May 28, 2000.

This section provides an executive-level summary of performance information and is intended to bring to Management's attention that information considered to be most noteworthy. The section begins with overviews of safety, followed by a stoplight chart on overall performance.

Safety Overview

The focus of this section is on documenting trends in work-related injuries and illnesses rates. Improvements in these rates result from PNNL's continued implementation of the Integrated Environment, Safety, and Health (ES&H) Management System (ISMS), and the current development and implementation of the Voluntary Protection Program (VPP). Injury and Illness statistical data are presented graphically in this section followed by a summary of the completed and planned actions for the PNNL VPP.



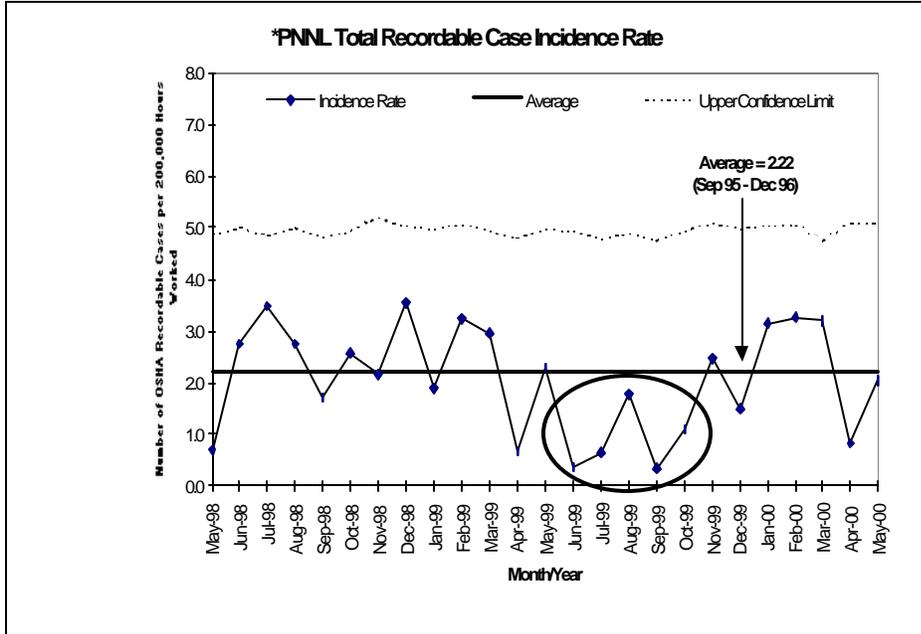
Rate Overview:
 FY00 To Date = 2.61
 FY99 = 1.56

The data over the past two fiscal years has been relatively stable. The current fiscal year continues to demonstrate a general increase and the data are being monitored for future changes and stabilization.



*Includes all Pacific Northwest National Laboratory Operations.

PNNL Environmental Management Performance Report - July 2000
Section A - Executive Summary

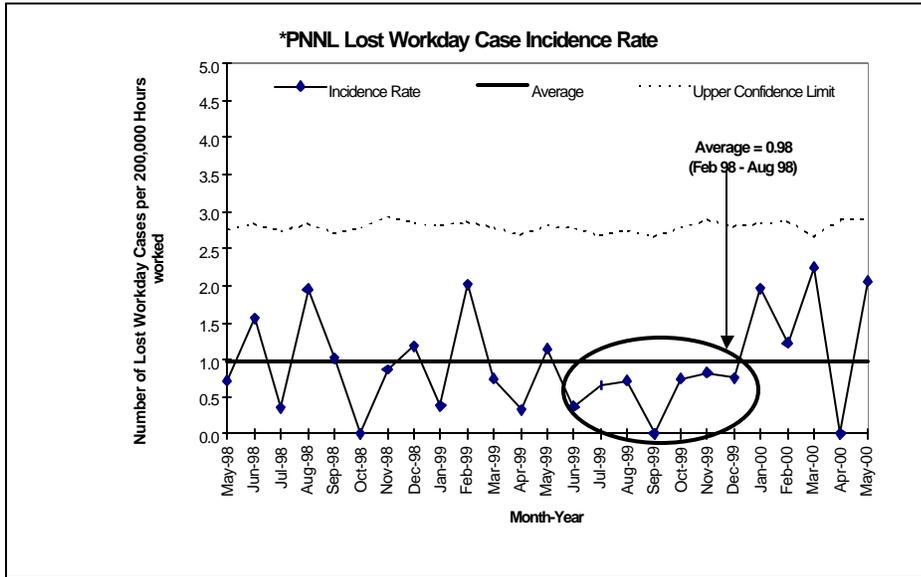


Rate Overview:
 FY00 To Date = 2.22
 FY99 = 1.80
 FY99 DOE Research Contractor
 Avg = 2.6

This indicator has been generally stable over the long term. There was however, a decrease in the rates during the period of April 99 - October 99 followed by an increase back to the previous levels for the period of Nov99 - Mar00. The data for the last two months is again below the 2.22 average and monitoring continues for future stabilization.

Green

*Includes all Pacific Northwest National Laboratory Operations.



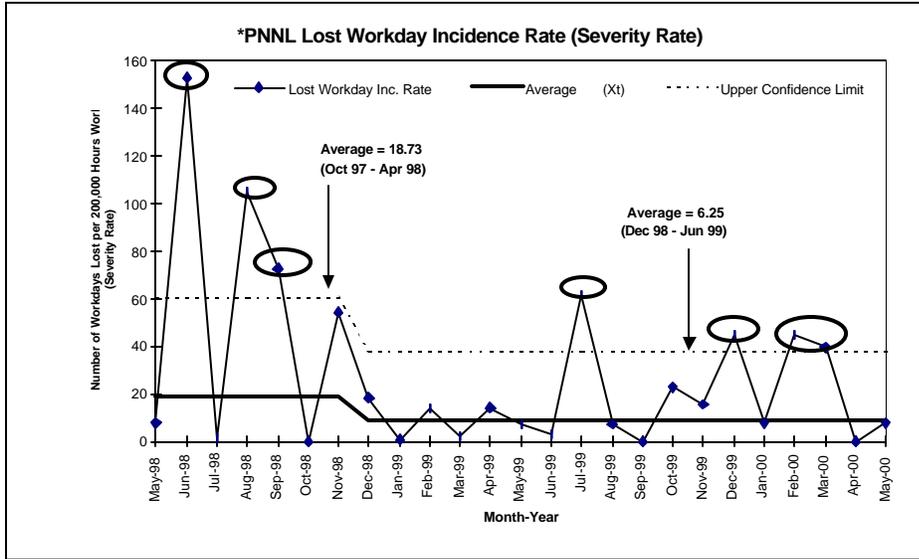
Rate Overview:
 FY00 To Date = 1.25
 FY99 = 0.67
 FY99 DOE Research Contractor
 Avg = 1.1

This indicator has been generally stable over the long term. There was a temporary short-term decrease during the period of June 99 - December 99 followed by an increase back up to levels near the pre June 99 rates. Data are currently being monitored for future stabilization.

Green

*Includes all Pacific National Laboratory Operations.

PNNL Environmental Management Performance Report - July 2000
Section A - Executive Summary



Rate Overview:
 FY00 To Date = 23.20
 FY99 = 21.45
 FY99 DOE Research Contractor Average = 22.8

The data for the last two months have returned to levels below the Dec 98 - Jun 99 average. The Dec 99 rate climbed above the upper control limit due to the accumulation of additional lost workdays on an active case. Out of the remaining months with data points above the upper control limit, Jun 98 and Mar 00 are the only months currently accumulating lost workdays.

*Includes all Pacific Northwest National Laboratory Operations.

Green

*Includes all Pacific National Laboratory Operations.

Overall FY00 Safety Performance			
	*Fiscal YTD Count	Current Month Count (May)	Current Month Injury Types (May)
First Aid Cases	54	5	(1) Contusion, (3) Strain, (1) Insect Bite/Sting
Recordable Cases (All)	46	5	(1) Fracture, (1) Burn, (3) Strain
**Lost Workday Cases	26	5	(1) Fracture, (1) Burn, (3) Strain
As of 05/31/00 PNNL had worked approximately 139,680 hours since the last lost workday case.			

*Fiscal Year to Date (YTD) counts may change from previous totals due to periodic case updates/reclassifications.
 **Includes all Lost and Restricted Workday Cases.

Voluntary Protection Program

PNNL continues to actively pursue “star” status and is on target to submit a VPP “star” status application in September 2000.

Recent PNNL VPP activities:

- Participated Seattle VPP Region X Conference, May 2000.
- Distributed VPP informational pamphlets and VPP survey to all staff.

Planned PNNL VPP Activities:

- 6 PNNL staff are scheduled to attend DOE/OSHA Onsite VPP Evaluation Class in Mid-June 2000.
- Participation in VPP National Convention to be held in Seattle, August 2000.
- Steering Committee members are scheduled to distribute VPP awards at the end of June 2000.

Cost/Schedule Performance Stoplight

The following rating reflects overall cost/schedule performance for activities conducted by PNNL.
(Narrative not required when rating is green.)



Green: Satisfactory
Yellow: Significant improvement required
Red: Unsatisfactory

This section provides cost and schedule performance, any significant issues, and upcoming baseline change requests for the period covered. In fiscal year (FY) 2000, Battelle Memorial Institute has lead responsibility over PBS RL-ST01, PNNL Waste Management WBS 1.7.1.

Mission

WBS 1.7.1 provides PNNL with waste management services and compliant operations in support of science and technology development for the multiprogram needs of the U.S. Department of Energy (DOE) Complex. These services include:

- essential surveillance and maintenance of DOE laboratory facilities assigned to PNNL for safe containment of radioactive and hazardous materials
- infrastructure required to manage wastes and effluents currently generated at the PNNL
- operational compliance services to meet regulatory requirements and operating permits including environment, safety, and health regulations
- management of legacy wastes and contamination remaining from past PNNL research operations.

Performance Data and Analysis

As of May 28, 2000 the cumulative costs are \$8.6 million with a positive cost variance of \$0.4M and a cumulative schedule variance of negative \$0.9M. Variances are within established thresholds, however, a brief explanation follows the tables and chart.

Cost Performance (\$M):			
	BCWP	ACWP	Variance
PNNL Waste Management	\$9.0	\$8.6	\$0.4
Schedule Performance (\$M):			
	BCWP	BCWS	Variance
PNNL Waste Management	\$9.0	\$9.9	(\$0.9)

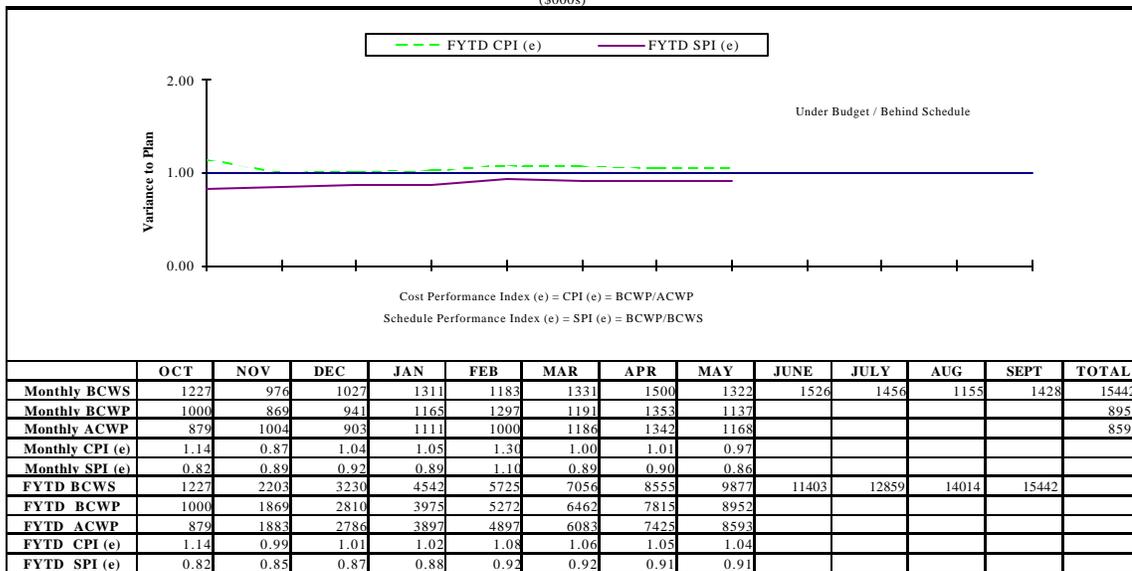
FY 2000 Cost/Schedule Performance - All Fund Types **Cumulative to Date Status - (\$000)**

WBS	PBS	BCWS	BCWP	ACWP	CV	%	SV	%
1.7.1	RL-ST01	<u>\$9,877</u>	<u>\$8,952</u>	<u>\$8,593</u>	<u>\$359</u>	<u>4</u>	<u>\$(925)</u>	<u>-9</u>
	Total	\$9,877	\$8,952	\$8,593	\$359	4	\$(925)	-9

PNNL Environmental Management Performance Report - June 2000
Section B - Project Performance Summary

Cost / Schedule Performance Indices

FY 2000 Cum to Date Status
(\$000s)



The positive cost variance of \$0.4M results from reduced overhead rates and delayed billings. A change request was approved on May 25 to revise the basis of estimate and align budget and funds. That change request will be fully implemented by the end of June. It is also expected that the baseline activities will be completed within the funding allocation. The primary reasons for the cumulative schedule variance of negative \$0.9M are described below:

- Difficulties in completing the final details in the high dose waste container designs as well as a late start in fabrication of the drum handling system. Delays may postpone shipments into next FY.
- Planned cask shipments to the 200 Area for final disposition affected by RLWS delay. With implementation of the change request the waste disposal scope affected by the RLWS delays will be deleted.

Modifications to 305-B and RPL (Radiochemical Processing Laboratory) Contingency Plans and RLWT (Radioactive Liquid Waste Tank) modifications for RPL HWTUs (Hazardous Waste Treatment Unit), were submitted in May, which will then be submitted to Ecology on July 10. The integrity assessment of the RLWT piping is scheduled for June. The earliest the 204-AR Facility (Receiver facility) will receive waste via the LR-56 Truck is fiscal year '01.