

Pacific Northwest National Laboratory Environmental Management Performance Report

June 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.

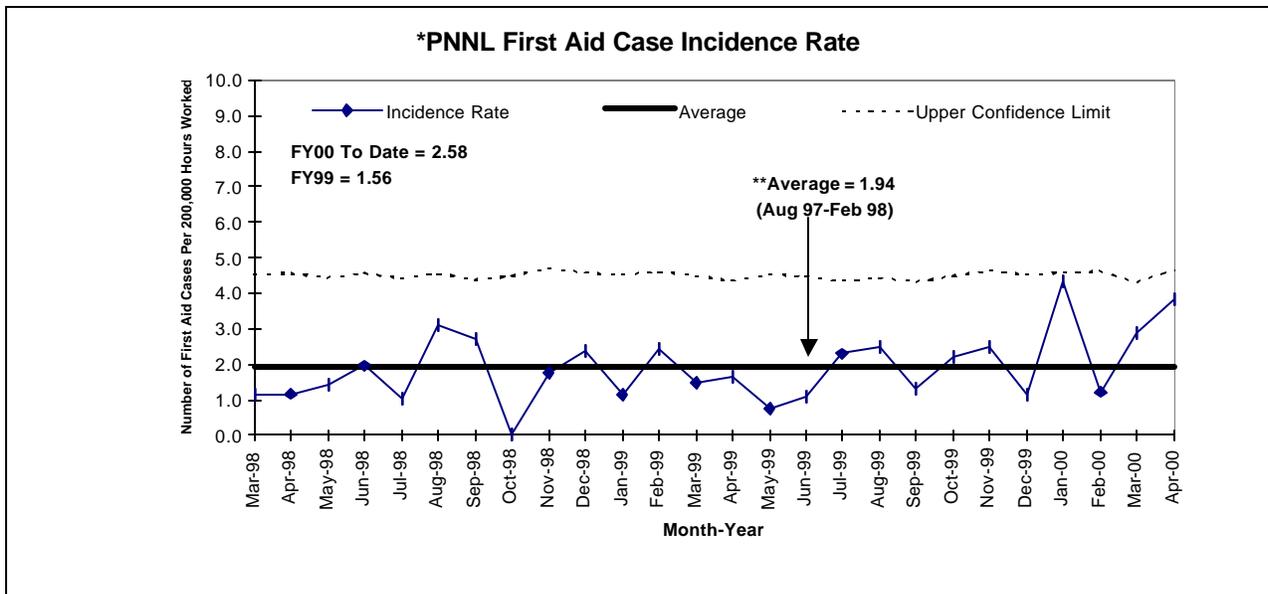
Section B, Project Performance Summary, provides a brief summary of the month's performance for the PNNL lead activity, PNNL Waste Management (PBS RL-ST01). More detailed information can be found within PNNL-7911-103a, PNNL's Project Status Report for April 2000. Summary analyses pertaining to PNNL's 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 April 30, 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 spotlight 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.



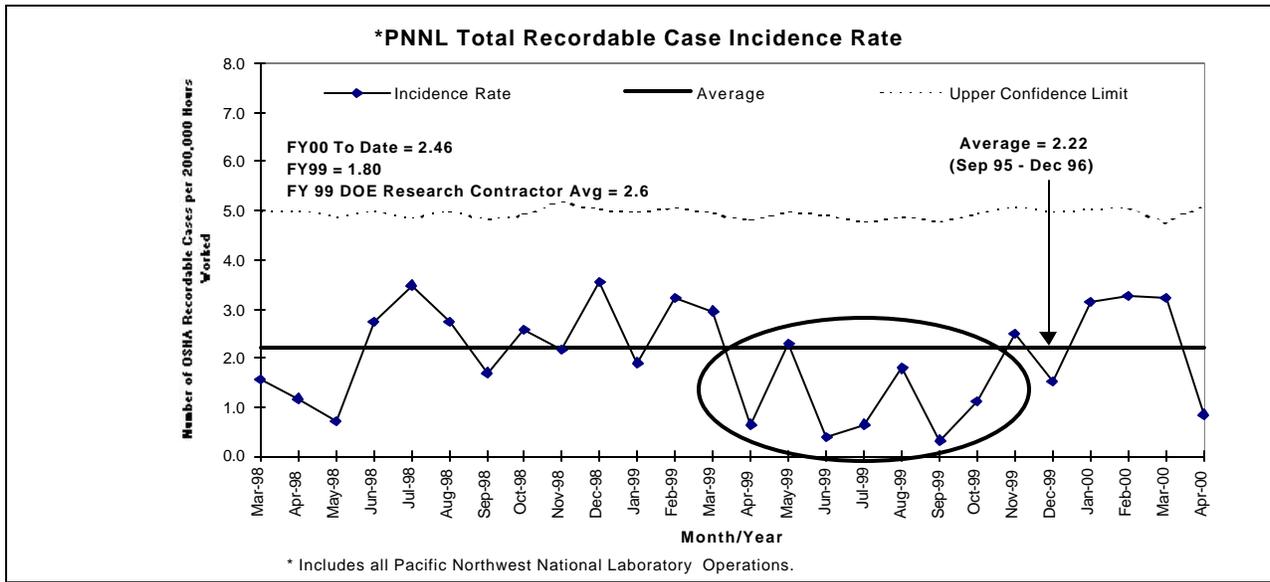
The data over the past two fiscal years has been relatively stable. The current fiscal year is showing a general increase and the data are being monitored for future changes and stabilization.

* Includes all Pacific Northwest National Laboratory Operations.

** Aug 97 - Feb 98 average was updated to reflect corrected case counts/rates.

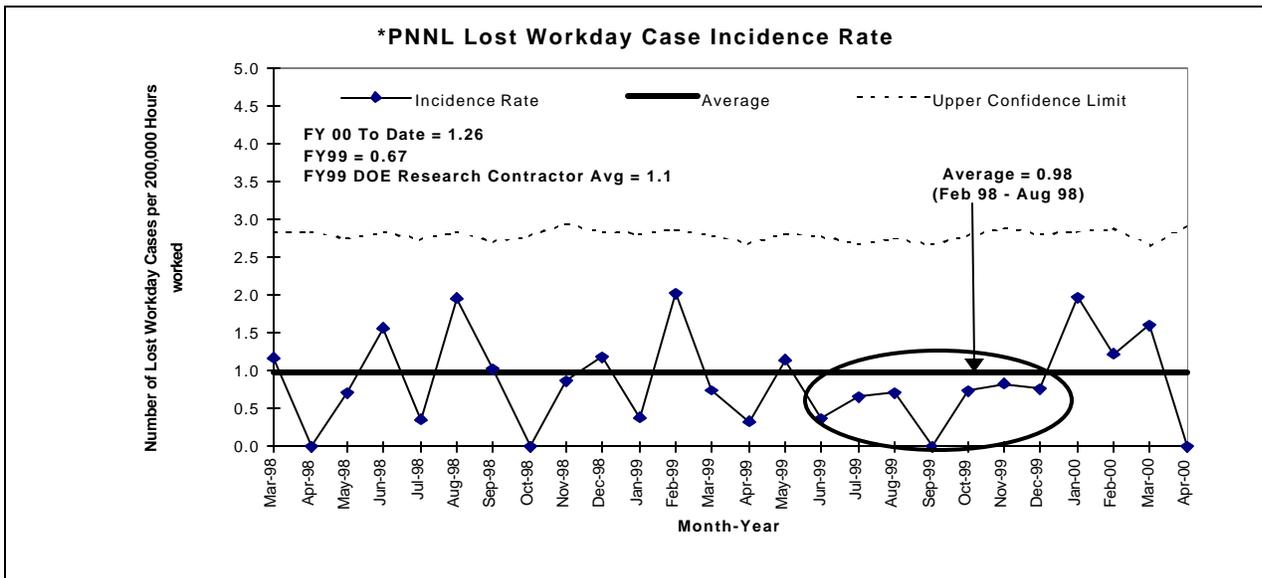
Green

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



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. The noted decrease appears to have been temporary and the data are being monitored for future stabilization.

* Includes all Pacific Northwest National Laboratory Operations.

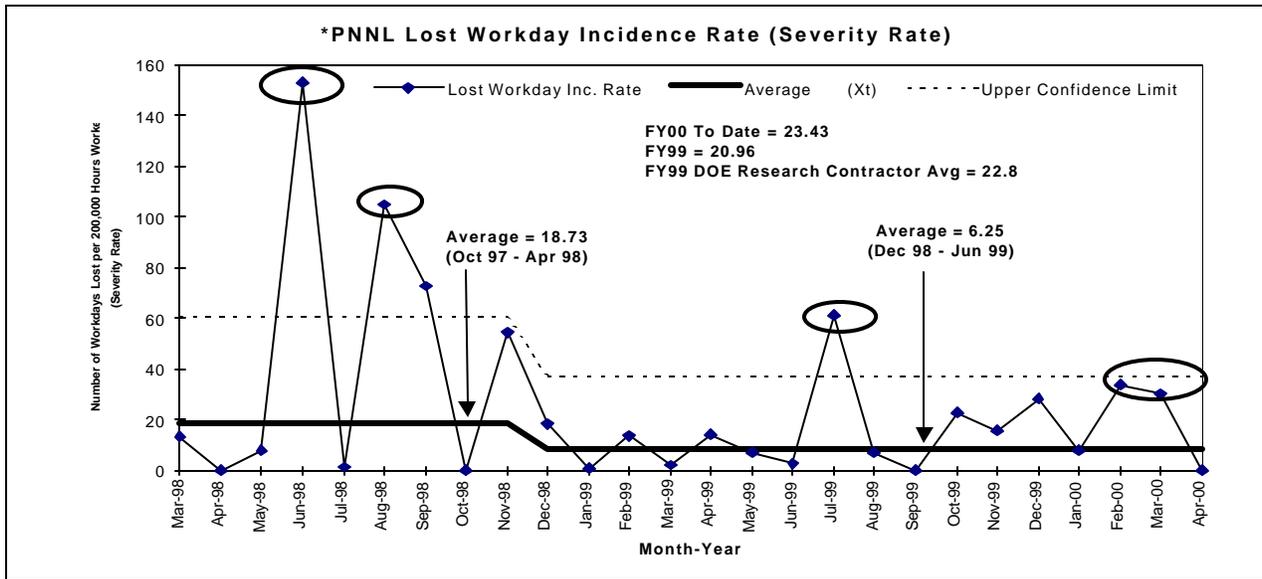


This indicator has been generally stable over the long term. There was however, a temporary short term decrease during the period of June 99 - December 99 followed by an increase to levels near the pre June 99 Levels. Data are currently being monitored for future stabilization.

* Includes all Pacific Northwest National Laboratory Operations.



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Section A - Executive Summary



The data for the current fiscal year are showing a general increase over the December 98 - June 99 average and are being monitored for future stabilization. Out of the months with data points above the upper control limit, June 98 is the only month that is currently accumulating lost workdays.

Green

*Includes all Pacific Northwest National Laboratory Operations.

Overall FY00 Safety Performance			
	Fiscal YTD Count	Current Month Count (April)	Current Month Injury Types
First Aid Cases	47	9	(1) Contusion, (1) Foreign Body, (1) Laceration, (1) Multiple, (5) Strain
Recordable Cases	39	2	(1) Bursitis, (1) Strain
*Lost Workday Cases	20	0	N/A

*Includes Lost and Restricted Workday Cases.

Voluntary Protection Program

PNNL is actively pursuing “star” status and is scheduled to submit a VPP “star” status application in September 2000.

PNNL VPP accomplishments include:

- increased worker communications on VPP including the development of a PNNL VPP web page (<http://www.pnl.gov/vpp/>)
- formation of a VPP steering committee and issuance of a PNNL VPP Management Plan
- PNNL worker participation at the VPP conference in Washington D.C. and the Health & Safety Exposition 2000 (Pasco, WA)

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 April 30, 2000 the cumulative costs are \$7.4 million with a positive cost variance of \$0.4M and a cumulative schedule variance of negative \$0.7M. Variances are within established thresholds, however, a brief explanation follows the tables and chart.

Cost Performance (\$M):			
	BCWP	ACWP	Variance
PNNL Waste Management	\$7.8	\$7.4	\$0.4
Schedule Performance (\$M):			
	BCWP	BCWS	Variance
PNNL Waste Management	\$7.8	\$8.5	(\$0.7)

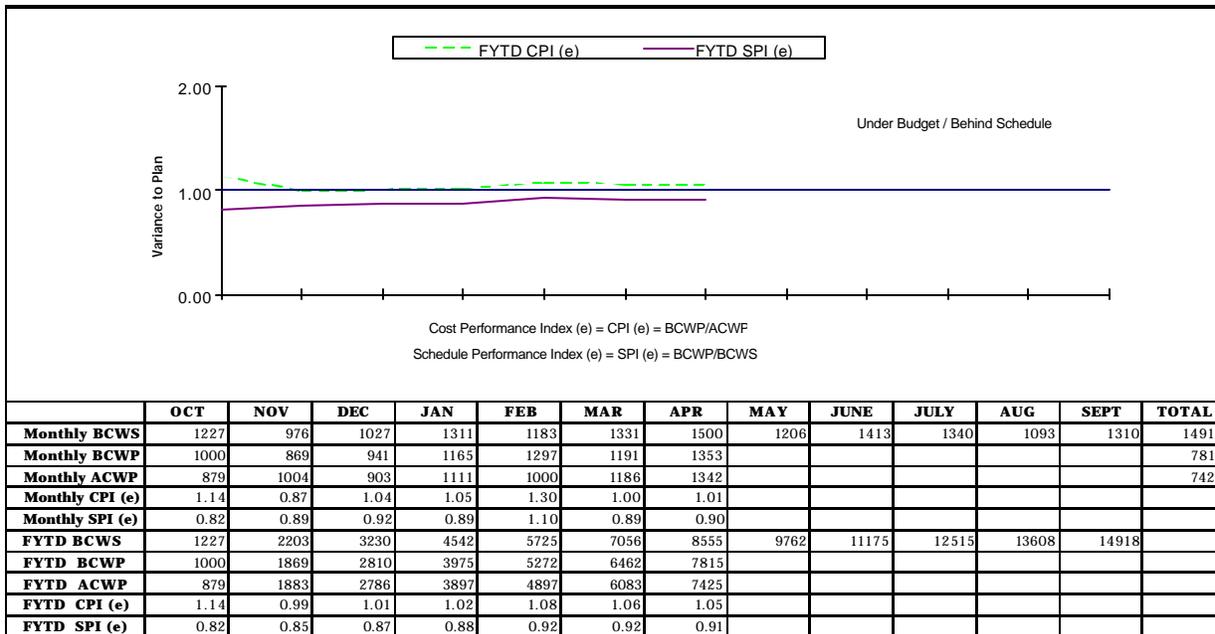
FY 2000 Cost/Schedule Performance - All Fund Types **Cumulative to Date Status - (\$000)**

WBS	PBS	BCWS	BCWP	ACWP	CV	%	SV	%
1.7.1	RL-ST01	<u>\$8,555</u>	<u>\$7,815</u>	<u>\$7,425</u>	<u>\$390</u>	<u>5</u>	<u>\$(740)</u>	<u>-9</u>
	Total	\$8,555	\$7,815	\$7,425	\$390	5	\$(740)	-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 submitted to revise the basis of estimate and align budget and funds. It is expected that the baseline activities will be completed within the funding allocation. The primary reasons for the cumulative schedule variance of negative \$0.7M 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. If fabrication of drums can begin as anticipated the current slippage should have no impact in the actual disposal of the High Dose Waste scheduled for the end of the Fiscal Year.
- The RLWS delay affected planned cask shipments to the 200 Area for final disposition. A change request was submitted to delete waste disposal scope affected by RLWS delays.

The Mod Permit for the RLWT is scheduled to be filed by the end of May and 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 mid-July.