

Environmental Management Performance Report

November 2002



**Pacific Northwest
National Laboratory**

Operated by Battelle for the
U.S. Department of Energy



Department of Energy
Richland Operations Office

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

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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.

Section B, Project Performance Summary, provides a brief summary of the month's performance for the PNNL lead activity, Environmental Management (EM) Laboratory Legacy Removal and Operations (LRO) Program (PBS RL-RS01), and is presented in the narrative. Monthly detailed information is available from the LRO program review handout and is available upon request or on the LRO website (<http://wmoc/home.htm>). 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.

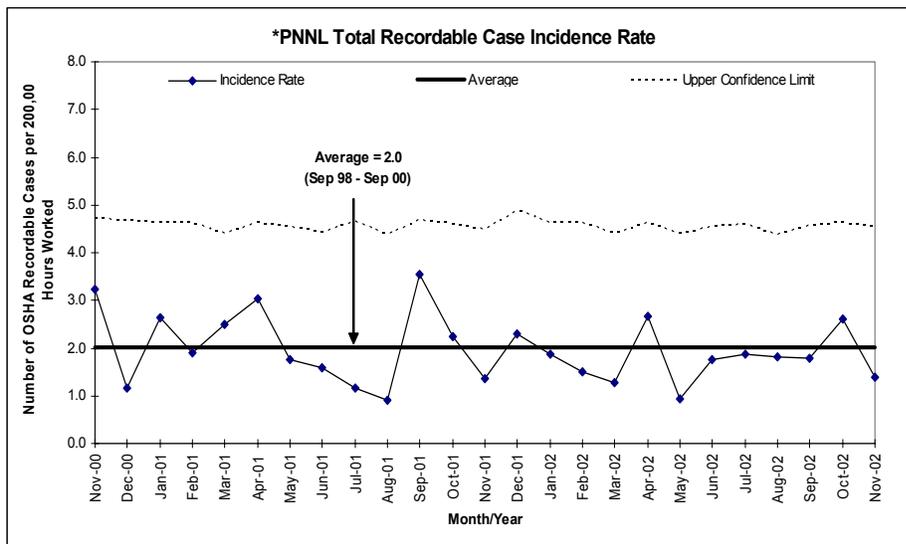
Unless otherwise noted, information in this report is current as of November 24, 2002.

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. This section includes an overview of safety performance.

Safety Overview

The focus of this section is on documenting trends in laboratory wide work-related injury and illness rates. These are the performance indicators for the FY 2003 Battelle Performance Evaluation and Fee Agreement, which is part of the PNNL Operations Contract. This year’s Performance Indicators are based on the Voluntary Protection Program evaluation criteria. The data for Recordable and Days Away Restricted or Transferred Cases (DART), which are presented graphically in this section, have been adjusted to combine PNNL and subcontractor data. These data are regularly monitored for statistically significant changes. Efforts to maintain current levels of performance are being made through the implementation of the Integrated Safety Management System (ISMS) and Voluntary Protection Program (VPP).

Total Recordable Case Incidence Rate

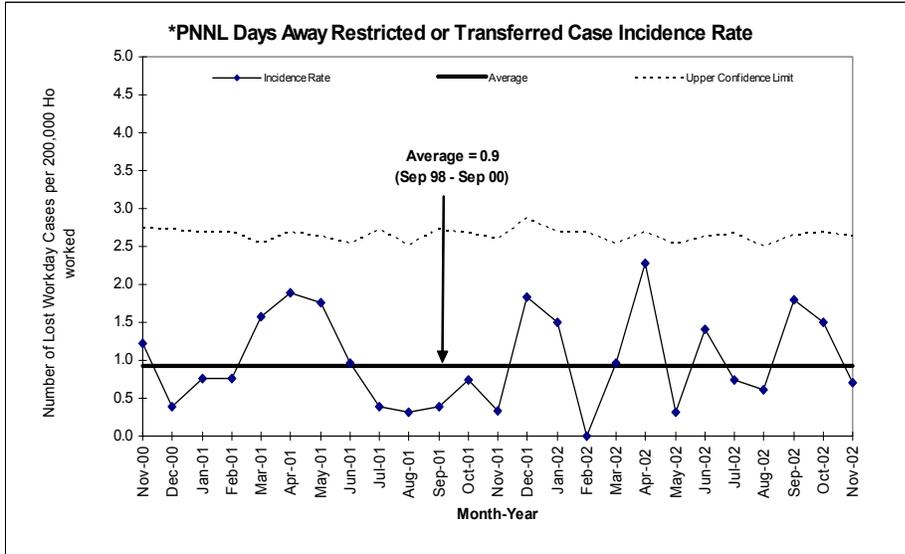


FY 2003 Rate Overview:

This indicator has been generally stable over the long term and the data points for the first two months of FY 2003 fall within the anticipated control limits. The cumulative 36 Month Moving Average Rate for FY 2003 is currently below the Target Level for the fiscal year.

36 Month Moving Average To Date = 2.1
 Target ≤ 2.6

Days Away Restricted or Transferred Case Incidence Rate



FY 2003 Rate Overview:

This indicator has been generally stable over the long term. The data points for the first two months of FY 2003 fall within the anticipated control limits. The 36 Month Moving Average Rate for FY 2003 is slightly above the Lab Target Level for the fiscal year.

36 Month Moving Average To Date = 1.1
 Target \leq 1.0

This section provides cost and schedule performance, any significant issues, and baseline change request information for the period covered, and quarterly status on baseline performance outcomes, objectives, and measures. In FY 2003, Battelle Memorial Institute has lead responsibility over PBS RL-RS01, PNNL EM Laboratory Legacy Removal and Operations Program (LRO) WBS 3.2.1.7.

Mission

The purpose of the EM Laboratory Legacy Removal and Operations (LRO) Program is to disposition Cold War legacy wastes and facilities remaining at PNNL and to operate and maintain the Radiochemical Processing Laboratory (RPL) in a “ready-to-serve” configuration as a Critical Hanford Facility to support accelerated cleanup.

The LRO Program scope includes the following:

- Conduct essential safety activities within RPL (a Category II Nuclear Facility) to ensure that no inadvertent release of radioactive or hazardous materials occurs. Maintain the facility to maximize its availability for the critical mission role of site analytical support.
- Identify, characterize, and remedy all legacy waste and contamination resulting from projects conducted within DOE facilities and ground contamination sites currently assigned to PNNL.
- Complete legacy facility consolidation and pre-deactivation activities for DOE facilities assigned to PNNL in support of the 300 Area Accelerated Cleanup Project.

Activity Summary

The following summarizes the activities associated with PNNL LRO services and operations conducted during November 2002.

- During the month of November, forty-two criticality safety controlled areas (CSCA) and seventeen exempt areas were inspected for compliance with PNNL and RPL requirements. Six workspaces were assessed by the Radiochemical Sciences and Engineering Group (RS&EG) management using the Integrated Operations (IOPS) Maintenance checklist. The workspaces were found to be at a 98+% compliance level. Additionally, data was trended on Radiological Problem Reports (RPR) and Off Normal Occurrences to determine adverse trends. No adverse trends were found. An operational (evacuation) drill involving actuation of the RPL criticality alarm was conducted on November 21, 2002. The purpose of the drill was for training RPL staff and Building Emergency Response Organization (BERO) members on response to a criticality alarm.

- During November, there were 23 items totaling 180 kg submitted for disposal; 121 items totaling 790 kg were approved by Radioactive Waste Operations (RWO) and 74 items totaling 620 kg were shipped from RPL. The Unreviewed Safety Question Determination (USQD) Expert review of USQD's involving introduction of three pounds of explosives into the RPL was completed on schedule in early November.
- Activities pertaining to the surveillance and maintenance of all shutdown facilities were completed as planned. The 6652-E Facility inspection was completed in November. No issues were noted.

Performance Data and Analysis

As of November 24th, 2002, the cumulative costs are \$1.7M with a positive cost variance of \$.3M (18%) and a cumulative schedule variance of negative -\$1.7M (-46%). The cumulative cost variance is largely due to activities within the Radiochemical Processing Laboratory (RPL) and Legacy Removal operations. Specifically, work space in need of decontamination is currently on hold while the space is being utilized for Research and Development (R&D) activity; efficiencies in surveillance and maintenance activities; and accelerated demolition of building 1615-D3 in FY02, which was originally scheduled for March 2003.

The cumulative schedule variance results from expected funding targets being lower than the current authorized program baseline. In addition, restraining FY03 continuing resolution guidance prohibits any “new” work from being started. Once the continuing resolution is lifted and a formal change request is implemented to align the baseline with authorized funding, the schedule variance will become more relevant. It is anticipated that scope will be completed as scheduled.

Cost Performance (\$M):			
	BCWP	ACWP	Variance
PNNL Waste Management	\$2.0	\$1.7	\$.3
Schedule Performance (\$M):			
	BCWP	BCWS	Variance
PNNL Waste Management	\$2.0	\$3.7	(\$1.7)

FY 2003 Cost/Schedule Performance - All Fund Types **Cumulative to Date Status - (\$000)**

WBS	PBS	BCWS	BCWP	ACWP	CV	%	SV	%
3.2.1.7	RL-RS01	<u>\$3,755</u>	<u>\$2,016</u>	<u>\$1,661*</u>	<u>\$355</u>	<u>18</u>	<u>(\$1,738)</u>	<u>-46</u>
	Total	<u>\$3,755</u>	<u>\$2,016</u>	<u>\$1,661*</u>	<u>\$355</u>	<u>18</u>	<u>(\$1,738)</u>	<u>-46</u>

*PNNL has \$2.008M carryover, is expecting \$15.032M new B/A in FY 2003, for a total of \$17.040M. Current new B/A obligated is \$1.580M.

PNNL Performance Data and Analysis

