SAFETY AND HEALTH CONTROL CHARTS SUMMARY

PHMC - "Significant improvement" in the Recordable and Lost/Restricted Case Rates, first identified in September and October 1996, and has been stable at the improved level through fiscal year (FY) 1997, and these case rates are better than their respective DOE benchmarks. The Severity Rate significantly reduced over the past five months in comparison to the increases that occurred from April 1997 through October 1997. The First Aid Case Rate has also significantly reduced over the past five months, though this may be an ongoing seasonal fluctuation.

Pacific Northwest National Laboratory (Pacific Northwest/PNNL) - Recordable and Lost/Restricted Case Rates have been stable for approximately two years. Significant improvement in Severity Rate has been stable since September 1995. Significant improvement noted in First Aid Case Rate, and the baseline average has been recalculated to follow the decrease.

Bechtel Hanford Inc. (ERC) - Recordable and Lost/Restricted Case Rates have been stable for approximately two years. Significant improvement in Severity Rate has been stable since August 1996. Severity Rate has been below average for the past five months (though not significantly below).

SIGNIFICANT SAFETY AND HEALTH EVENTS

- **Hanford Severity Rate:** Following a significant increase in the overall Severity Rate (lost or restricted work days per 200,000 hours) for April 1997 through October 1997, the rate has significantly decreased for November 1997 through March 1998. Note that further days may accumulate on these cases, so this decrease will be monitored in the coming months to determine if it remains valid. Severity Rates at PHMC, ERC, and Pacific Northwest have all been below their respective baseline averages for the past five months. The PHMC severity rate has been statistically significantly lower than its baseline average.

- **PHMC "Million Safe Hours" Awards:** Safe Hours achievements for March 1998:

March 1998	1,000,000 Hours BW Protec (PHMC hours only)
March 1998	2,000,000 Hours Fluor Daniel Hanford
March 1998	1,000,000 Hours PHMC total

  These awards are based upon the total number of hours since the last lost (away) workday for daily supervised workers by each contractor.

- **PHMC First Aid Case Rate:** The past four of five months in a row have been one standard deviation below average. This decrease returns the First Aid Case Rate to a value similar to that before the increase noted for the period April 1997 through November 1997. As this indicator has shown seasonal fluctuations in the past three

years (peaking in the summer due to wind related causes and animal and insect encounters), it is probable that this indicator will again increase this summer. Pest control activities are in progress. The hazard of wind related injuries has been provided to the workforce through the FY 1997 Causal Factors report, and Safety Information Bulletin (SIB) 98-2. The April Presidents' Zero Accident Council will also contain a reminder of these two hazards.

- **PHMC Voluntary Protection Program HGET (Hanford General Employee Traning) Survey Baseline:** A baseline report for the Voluntary Protection Program Survey Results has been published, covering the period July 1997 through December 1997. Quarterly analyses of the survey data will be performed. The correspondence number for the report is FDH-9851879, and has been supplied to RL and the major PHMC contractors.

Note 1: Control charts used in this report indicate whether program data is stable (i.e., within 3 standard deviations of the average) or unstable (i.e., outside 3 standard deviations of the average) and if a negative or positive trend exists. Stable program data does not mean a program is satisfactory. Statistically significant determinations use Deming Statistical Process Control criteria.

Note 2: The control charts submitted in this report fulfill the reporting requirements of Letter, J. D. Wagoner, RL, to President, FDH, "Contract No. DE-AC06-96RL13200 - Reporting of Safety Statistics to RL," dated November 4, 1996; Letter, S. A. Sieracki, RL, to J. F. Nemec, ERC, "Reporting of Safety Statistics to RL," CCN038876, dated October 21, 1996; and Letter, QSH-96-048, dated November 4, 1996, from John D. Wagoner, Manager, U.S. Department of Energy, Richland Operations Office to Dr. W. J. Madia, Director, Pacific Northwest National Laboratory, Subject: "Reporting of Safety Statistics to RL".

Note 3: The goal for each control chart contained in this section is to demonstrate statistically significant performance for the project or program being controlled as determined by Deming Statistical Process Control criteria. Improvement criteria includes single points below the Lower Control Limit (LCL) or seven consecutive points of better than average performance. Degradation criteria includes single points above the Upper Control Limit (UCL) or seven consecutive points of worse than average performance. Twenty-five points without significant improvement or degradation indicates stable or "flat" performance.