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Department of Energy

Richland Operations Office
P.O. Box 550
Richland, Washington 99352

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MAY 25 1995

Mr. Steve M. Alexander
Perimeter Areas Section Manager
Nuclear Waste Program
State of Washington
Department of Ecology
1315 W. Fourth Avenue
Kennewick, Washington 99336-6018

Mr. Douglas R. Sherwood
Hanford Project Manager
U.S. Environmental Protection Agency
712 Swift Boulevard, Suite 5
Richland, Washington 99352-0539



Dear Messrs. Alexander and Sherwood:

VALIDATION DATA FOR THE 100-D PONDS (TSD D-1-1) PHASE II SAMPLING

Enclosed are two copies of the 100-D Ponds Phase II Sampling data validation report and raw data for your information. The phase II sampling was conducted as agreed upon by the State of Washington, Department of Ecology (Ecology), and the U.S. Department of Energy, Richland Operations Office (RL), in an effort to resolve the Notice of Violation issued by Ecology. The Notice of Violation requires an artificial or natural barrier around the ponds. Currently a single strand chain and post fence, with appropriate signs, surrounds the 100-D Ponds. Data quality objectives negotiated by Ecology and RL for the phase II sampling was to provide information to determine if additional barriers are warranted at the 100-D Ponds.

A total of 30 samples were taken during the phase II sampling and three of these samples were validated, meeting the requirements identified in the Description of Work for 100-D Ponds Sampling, Phase II, BHI-00140, Rev. 01, and the 100-D Ponds (TSD D-1-1) Data Quality Objectives Decision/Agreement/Commitments, dated December 16, 1994. The data validation was performed by an independent laboratory and assessed all aspects of performance and implementation of appropriate procedures.

This report includes a summary of the validation, text describing the validation process, and discussion of the validation results. Summary tables are included that give the analytical results for each sample.

The following references may be useful in the review of this report.

- WHC-SD-EN-SSP-002, "Data Validation Procedures for Chemical Analyses," Revision 1, dated December 21, 1993. *20076*
- WHC-SE-EN-SSP-001, "Data Validation Procedures for Radiological Analyses," Revision 1, dated December 21, 1993. *39807*

Messrs. Alexander and Sherwood

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The phase I and phase II sampling data is currently being evaluated and a data evaluation report is scheduled to be submitted to the regulatory agencies by June 5, 1995. It is recommended that a meeting be held on or about June 8, 1995, to discuss and attempt to resolve, the issues regarding barriers at 100-D Ponds and Ecology will be contacted to establish a meeting date and time. As per a telephone discussion with Ecology (Mr. Wilson) on May 2, 1995, it was agreed that field action related to installation of fencing will not be undertaken by RL until after the data evaluation report has been discussed and a decision is reached on the appropriate resolution of the pending issue.

During the phase II sampling, Ecology obtained split samples for analysis. A copy of this data is requested by RL in order to take into account all available information in the decision making process.

If you have any questions, please contact Ms. A. C. Tortoso at 373-9631.

Sincerely,



for Julie K. Erickson, Director
River Sites Restoration Division

RSD:ACT

Attachment

cc w/o attach:

G. R. Eidam, BHI
R. S. Hajner, BHI
A. D. Huckaby, Ecology
K. J. Oates, EPA
R. W. Wilson, Ecology
J. G. Woolard, BHI