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**START**

**Department of Energy**

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

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MAY 31 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



Dear Mr. Alexander:

DATA EVALUATION: 100-D PONDS, BHI-00328, REVISION 00

Enclosed is the 100-D Pond (TSD D-1-1) Phase II sampling data evaluation report "Data Evaluation: 100-D Ponds," BHI-00328, Revision 00. This report is based on the laboratory data package and data validation report that was recently submitted to the State of Washington, Department of Ecology (Ecology). The data evaluation report provides historical information, summarizes the phase II sampling and analysis performed in January 1995 at the 100-D Pond, provides the results of the Phase I sampling effort performed in September 1992, provides data on Hanford Site soil background values, and provides regulatory cleanup standards (e.g., Model Toxics Control Act [MTCA] Method B and C). A review of this data indicates that the contamination at the 100-D Pond site is within the upper two to three feet of the settling pond bottom and levels are below the MTCA Method C Industrial standards. The radionuclides present in the surface crust are below the U.S. Environmental Protection Agency proposed standards of 15 mrem annual exposure above background.

The January 1995 sampling effort was initiated to provide information necessary to identify the risks associated with the 100-D Pond to determine if barriers (e.g., fence) are needed. The results show very low levels of radionuclide contamination, and other contaminants were detected below the dangerous waste levels and the MTCA Method C levels (only Arsenic and Polychlorinated Biphenyls are above the MTCA Method C values but are below the MTCA Method C Industrial values). Based on these results, the U.S. Department of Energy, Richland Operations Office (RL), believes the requirement for additional barriers at 100-D Pond is unnecessary.

Since this is a compliance issue, RL requests a meeting with Ecology the week of June 15, 1995, to reach an agreement on the appropriate action to close out the Notice of Violation. Ecology will be contacted to schedule a meeting date and time. The agreements reached during the meeting would then need to be documented in a letter issued by Ecology to resolve the Notice of Violation.

Mr. Steve M. Alexander

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

Sincerely,



K. Michael Thompson  
Hanford Project Manager

RSD:ACT

Attachment

cc w/attach:

A. D. Huckaby, Ecology  
K. J. Oates, EPA  
D. R. Sherwood, EPA  
R. W. Wilson, Ecology

cc w/o attach:

G. R. Eidam, BHI  
J. G. Woolard, BHI