

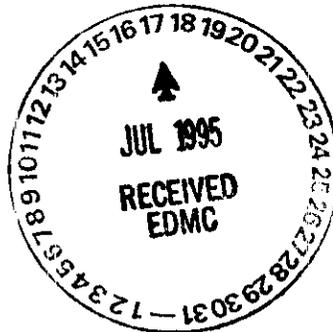


STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

1315 W. 4th Avenue • Kennewick, Washington 99336-6018 • (509) 735-7581

July 10, 1995

Mr. Allan Danielson  
Washington State Department of Health  
2 South 45th Ave.  
Yakima, WA 98908



Dear Mr. Danielson:

Re: 100-D Ponds Characterization Sampling Data

Fred Zweisler's technical assistance during the 100-D Ponds characterization sampling event conducted in January is very much appreciated. Your agency's continued assistance is also greatly appreciated.

The 100-D Ponds characterization was conducted for several reasons, one of which included a compliance determination for the need of a barrier surrounding the unit. The security requirement can be waived if the owner or operator can demonstrate that physical contact with wastes or equipment within the active portion of the unit will not injure "persons or livestock" and that disturbance of the wastes or equipment within the active portion of the unit by "persons or livestock" will not result in violations of WAC 173-303. It should be noted that WAC 173-303 040 provides a definition for "active portion" to mean "that portion of a facility which is not a closed portion, and where dangerous waste . . . storage or disposal operations are being or have been conducted . . ." The U.S. Department of Energy (USDOE) requested the allowance to make the above described demonstration and have transmitted the enclosed data package. A status of the data transmittal, the demonstration, and Ecology's compliance action is provided in USDOE's transmittal cover letter, which is also enclosed. The data package includes radionuclide analyses of samples collected in January. In addition, there is a copy of the "TMA Hanford Radiological Survey Record" for 100-D Ponds, which also provides radiolytic data, a copy of a document entitled "Data Evaluation: 100-D Ponds (BHI-00328 Rev. 00)," a copy of the field logbook notes for information to enable sample number conversion to sample location, and a copy of the Data Quality Objectives (DQO) agreement for the characterization event for information regarding intended sample collection location are also enclosed.

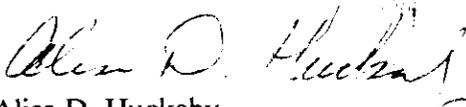
As we discussed on June 14, Ecology is evaluating the non-radionuclide data to enable a compliance determination regarding the necessity of a barrier to be made. Ecology will be attempting to make our portion of the compliance determination by early July. For information



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regarding the compliance aspect and/or schedule of this issue, you or your staff may contact Bob Wilson (509/736-3031), Keith Holliday (509/736-3036), or me (509/736-3034). For information regarding the sampling locations and data, you or your staff may contact me or Dr. Alex Stone (509/736-3018). We look forward to working with you and obtaining your recommendations.

Sincerely,



Alisa D. Huckaby  
100-D Ponds Unit Manager  
Nuclear Waste Programs

AH:mf  
Enclosures

cc w/o enclosures:  
100-D Ponds Administrative Record