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3001.2/3001.1/84/05/21

- 1 -

JUN 05 1984

Mr. O. L. Olsen
U. S. Department of Energy
Richland Operations Offices
BWIP Project Office
P.O. Box 550
Richland, WA 99352

Dear Mr. Olsen:

The BWIP report titled "The Sorption Behavior of Columbia River Basalts"/RHO-BWI-LD-48 (P.F Salter, Ames, L.L. and McGarrah, J.E., 1981) contains uranium sorption information for three basalts flows, two groundwaters, two temperatures, and two redox conditions. The reported distribution coefficient values for uranium range over about two orders-of-magnitude. One possible explanation of the spread of the observed sorption behavior is that different uranium solution species were present in individual tests as a result of the differences in geochemical test parameters. While the uranium concentrations and initial experimental data (conditions) are reported in Appendix A, Tables A-1 and A-3, the final conditions are not reported.

In order to facilitate NRC evaluation and understanding of this data, I request that the Eh and pH data for the final conditions of these experiments be provided to Robert Cook, for transmittal here.

"ORIGINAL SIGNED BY"

Robert J. Wright
Repository Projects Branch
Division of Waste Management

WM Record File

101.2

WM Project 10

Docket No. _____

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