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Docket No. _____
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Dr. Robert J. Wright
Senior Technical Advisor
High Level Waste Technical
Development Branch
Division of Waste Management
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Distribution:
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Dear Dr. Wright:

BWIP - Transmittal of Reference Documents and Geologic Data as requested by NRC during the Geology and Geologic Stability meeting held at Richland, Washington, April 11-15, 1983

During the Geology and Geologic Stability meeting held at Richland, Washington during the week of April 11, 1983, and as noted in the DOE/NRC Workshop Meeting Notes for the subject meeting, requests for BWIP information were made by you and other members of your staff, who were in attendance at the meeting. The following is a listing of the information requests, and is contained in the enclosed boxes, unless otherwise noted.

- Drill core for Dr. Burt Slemmons, NRC consultant. The drill core is from borehole RRL-2, Box 471, drill depth 3,823 feet.
- "Seismic Surveillance Test Plan" - Document SD-BWI-TP-021.
- "Hydrologic Barrier Geophysical Study, Yakima Barricade Area" - Document.
- Core photographs below the Vantage for boreholes RRL-2, RRL-6, RRL-14, DC-4, DC-12, DC-14, DH-4, and DH-5.
- The borehole geophysical logs included (see Attachment I) are primarily those conducted by Pacific Northwest Laboratory. They consist of Gamma-gamma, neutron-neutron, natural gamma, neutron-gamma, caliper, fluid temperature, spontaneous potential, normal and single resistivity and sonic logs. Other logging contractors, whose geophysical logs are contained, consist of Birdwell, Schlumberger, Wellex, EDCON, and Washington State University. To avoid repetition at boreholes in which numerous contractors ran geophysical surveys, only one copy of a particular log type is included. Data is included in the attached boxes. As noted, not all log types were performed in each borehole.
- "Reference Stratigraphy" - Document SD-BWI-DP-008.

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- "Deep Borehole Stratigraphic Correlation Charts and Structure Cross Sections" - Document SD-BWI-DP-035.

As noted in the meeting notes, the following items were provided to the NRC during the April 11-15, 1983 meetings:

- Shift reports for RRL-2, RRL-6, and RRL-14.
- Geologic logs for RRL-2, RRL-6, and RRL-14.
- "Preliminary Interpretation of the Tectonic Stability of the Reference Repository Location, Cold Creek Syncline, Hanford Site" - Document RHO-BW-ST-19.
- "Bibliography and Documents Issued List Through FY 1983" - Document RHO-BW-SA-281P.
- Core photographs below the Vantage for boreholes DDH-3, DC-2, DC-2-A1, DC-2-A2, DC-6, DC-7, DC-8, and DC-15.

SAI head information on DC-4 and DC-5 was transmitted to you on May 11, 1983.

The following materials will be submitted to you as noted below.

- "Repository Horizon Identification Report" - Document RHO-BW-ST-28P, August 15, 1983.

In addition, Attachment II is a listing of the "BWIP Overview Committee Correspondence and Reports," (copies of the correspondence and reports enclosed) per your request.

If you have any questions concerning the enclosed information, please call D. J. Squires of my staff.

R. P. Saget for

O. L. Olson, Project Manager
Basalt Waste Isolation Project Office

BWI:DJS

Enclosures

cc: w/o enclosures
M. W. Frei
C. R. Cooley