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REB MSB A. Hale

McConnell Blackford
(Re # 1 to WM, 623-SS)

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cc: Linehan Lefevre
TO: REB Hildenbrand Justus
fr: COOL August 29, 1986

Mr. D. L. Olson
Director, Basalt Waste Isolation Division
Office of Assistant Manager for Commercial Nuclear Waste
Richland Operations Office
U.S. Department of Energy
P.O. Box 550
Richland, Wa. 99352

Dear Mr. Olson:

Consistent with the provisions of Appendix 7 of the Site Specific Agreement between DOE and NRC, I am notifying you of H. Lefevre's, K. McConnell's and M. Blackford's assignment to this office during the week of September 7, 1986 to review various areas regarding the site's geology. Their clearances to the site are being requested via separate correspondence through Security.

It is requested that RHO/DOE information (data, including field maps, drilling records, geophysical data etc., and analyses or interpretations and draft study plans or other pertinent past or current planning) from working files or permanent records be made available to myself and the other NRC personnel for review but not retention in the following areas of interest:

1. The May Junction Monocline (fault).
2. Gable Butte Structure.
3. Fault south of Gable Mountain revealed in DB-10 core.
4. The Yakima hydrologic barrier.
5. Luna Butte/Arlington Oregon structure recently investigated by T. L. Tolan of the RHO staff.
6. Micro earthquakes recorded on RHO's seismic network (here maps of epicenters and fault plane analyses are of interest).
7. Cores from RRL-2A and RRL-17 (here core logs and core photographs, as well as, the cores themselves are of interest for review).
8. Seismic capability of faults and folds in structures which may affect the repository, including the Rattlesnake Mountain, Yakima Ridge, Gable Mountain, May Junction Monocline, Toppenish Ridge, Untanum Ridge, Gable Butte, Yakima Hydrologic Barrier and fracture zones associated with the micro earthquakes in the area.

In addition to making the information available it is requested that at least one cognizant RHO person be available for about 1 hour on each of the 8 areas listed above for discussion of the

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available information and pertinent planning for future data collection and evaluations in the respective areas of interest.

One activity which we plan to accomplish during the week is to visit some of the structures noted above and make field observations. W. Kiel of the Supply System Staff is planning to accompany us on these field trips. We also would welcome a RHO geologist to accompany us.

We would expect to discuss our observations with you and other cognizant project personnel as appropriate, prior to the visitors leaving Richland, consistent with this Office's basic objective of providing early feedback of OR staff observations.

Sincerely,

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F. Robert Cook
Senior On-Site Licensing
Representative, BWIP
Division of Waste Management
Office of Nuclear Material Safety
and Safeguards

DISTRIBUTION: Letter, Cook to Olson of August 29, 1985.

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J. Linehan, NRC J. Graham, RHO
P. Justus NRC R. May, RHO
H. Lefevre, NRC T. Curran, RHO