WM Record File 101.2 WM Project WM-10
Docket No.
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RJW/83/04/07/0

- 1 -

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MEMORANDUM FOR: O. L. Olson, DOE, Richland

FROM: Robert J. Wright, NRC, Washington, DC

SUBJECT: INTERPRETATION OF RRL-2 DRILLING RESULTS

1. Please explain the basis for assuming the 3773'-3783' interval of RRL-2 is dense basalt (Reference RHO-BWI-TI-113). What field data and records support this assumption? Is this based solely on hydrological testing and the neutron/neutron log? If so, how much confidence can be placed on this assumption? What is the explanation for worn out bits (bits 054 and 044) in 10 feet, inability to advance, lost core, and continuous mud loss in this zone?

2. What are the zones of mud loss in RRL-2? How were the zones of mud loss determined and measured?

3. Based on data gathered from RRL-2, what is the amount and rates of mud loss estimated for the exploratory shaft?

4. The summary geologic logs and the shift reports received from BWIP on the RRL holes appear to be typed versions of the original records. We expected to receive, in response to our verbal request, copies of the original records - e.g. form C-2.5 of RHO-BWI-MA-4 for the geologic log.

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