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JUL 03 1985

MEMORANDUM FOR: John Buckley  
 Rock Mechanics Section  
 Engineering Branch  
 Division of Waste Management

FROM: Matthew Gordon  
 Hydrology Section  
 Geotechnical Branch  
 Division of Waste Management

SUBJECT: DRAFT FINAL REPORT - BASALT WASTE ISOLATION PROJECT:  
 HANFORD SITE DISQUALIFYING CONDITION - PRELIMINARY POSITION  
 FOR REPOSITORY WATER INFLOW UNDER HIGH PRESSURE SEPTEMBER  
 1984

The memo transmitted to you earlier today which contained my comments on the subject document contained some errors which I would like to correct for the record. The statement on page 2 of the memo:

"6. On page 3.4 the units given for hydraulic conductivity (m/day) should apparently be (m/sec)."

is incorrect. Also, there are two typographical errors in comment 7: 1) the vertical connection between the Cohasset and Rocky Coulee was observed at RRL-20C, not RRL-2C, as typed; and 2) the Umtanum fracture zone was encountered in RRL-2, not RRL-2C, as typed.

An additional point to be made regarding the subject document is its lack of consideration of the types of scenarios which are discussed on pages 2.1 and 2.2 regarding experiences in other mines. Specifically, the potential effects on rock permeability of destressing of the rock due to the mining, and potential flooding associated with earthquakes, have not been addressed in the calculations contained in section 5.3.

WM Record File 101 WM Project 10  
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Matthew Gordon  
 Hydrology Section  
 Geotechnical Branch  
 Division of Waste Management

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