

101.2/MG/83/12/13/0

- 1 -

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Mr. O. L. Olson, Project Manager  
 Basalt Waste Isolation Project Office  
 U. S. Department of Energy  
 P. O. Box 550  
 Richland, WA 99352

Dear Mr. Olson:

As discussed during the recent BWIP/NRC underground test plan workshop, a team of NRC staff members and consultants will visit Richland beginning January 9th to collect BWIP hydrogeologic data obtained since July of 1982. This trip will coincide with the geochemistry workshop scheduled to begin on the same date.

Please find attached a list of the general categories of information which we require. These include:

- a. Items to be copied for NRC files
- b. Items to be examined during the visit
- c. Items to be examined on a selective basis, to be determined during the visit
- d. Unfinished business from previous visits

Please give me a call if you have any comments or questions.

WM Record File 101.2  
 WM Project 10  
 Docket No. \_\_\_\_\_  
 PDR   
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Distribution: \_\_\_\_\_  
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Sincerely,

"ORIGINAL SIGNED BY"

Robert J. Wright  
 Senior Technical Advisor  
 Repository Projects Branch  
 Division of Waste Management

Attachment:  
 As stated

OFC :	WMGT <i>MG</i> :	WMGT <i>MG</i> :	WMP :	WMP :	:	:
NAME :	MGordon:dm :	MKnapp :	RWright :	HMiller :	:	:
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### Hydrogeology Data Needs

- A. Items to be copied for NRC files:
  - 1. Map of borehole locations
  - 2. Chemical analyses of groundwater made since 7/1/82.
  - 3. Potentiometric head measurements made since 7/1/82.
  - 4. Non-proprietary potentiometric head data outside the Hanford reservation.
  
- B. Items to be examined during the visit:
  - 1. Data and results of all hydrologic tests and investigations since 7/1/82.
  - 2. Rock cores obtained from RRL-2 in Cohasset flow.
  
- C. Other items to be made available for examination, as determined during the visit:
  - 1. Geologic logs and driller's reports for holes penetrating the Grande Ronde.
  - 2. Borehole geophysical logs.
  - 3. Results of petrologic studies of cores, secondary mineral assemblages in permeable zones and x-ray diffraction identification of clay minerals in cores.
  
- D. Unfinished business from previous visits:
  - 1. RHO comments on Sept. 23 letter from NRC regarding RHO-BWI-TS-007, "Applicability of Van der Kamp Method".

3/25 - 5/11 Olson

For your information, this is the form we will be using in our reviews of the hydrogeologic data.

- M. Cardon

BOREHOLE REVIEW FORM

1. Borehole No.:

2. Total Depth:

3. Depth of Casing:

4. Reviewer:

5. Date:

Interval

Strat. Unit

Type of Test

Results - Comments