

3103.0/RJW/08/04/81/0

AUG 06 1981

- 1 -

WM-10
PDR
(Return to WH 623-SS
Distribution
WMHT file

WMHT: 3103-0^{101.2}

MEMORANDUM FOR: Richard Goranson, DOE
Richland, WA

FROM: Robert J. Wright, NRC
Washington, DC

SUBJECT: TOPICS FOR DISCUSSION IN SEPTEMBER

WMHT r/f
CF
NMSS r/f
WM r/f
JBMartin
REBrowning
HMiller
RJWright & r/f

There follows a list of topics in hydrogeology that we wish to discuss during the visit to BWIP beginning September 22, 1981. This supplements my telefax of July 29.

A Hydrogeology

1. Groundwater modeling: history of model development, present status, interpretation of the flow field, interactions between and within hydrologic units, use of curvi-linear cross sections.
2. Values of parameters for groundwater modeling: methods of selection, sensitivity analyses.
3. Water budget for deep aquifers, including effects of inter-basinal flow.
4. Groundwater flow field: current version, current interpretation, effect of structural features such as anticlines.
5. Elevations of the water table along the Pasco Basin boundary (as shown in Plate III-9, RHO-BWI-ST-5).
6. Possible hydraulic connections between hydrologic units and upper aquifers, e.g., Columbia River paleo-channel.
7. Structural control of the Columbia River within the Reservation.
8. Hydrologic testing history for each well that provides data for groundwater modeling.
9. We would like to obtain a copy of the following logs for each well that penetrates the Wanapum:

DIST:

TICKET NO:

OFC : : : : : : :

NAME : : : : : : :

DATE :08/04/81 : : : : : : :

00195

8303280072 810806
PDR WASTE
WM-10 PDR

AUG 0 6 1981

- a. Lithologic, including drillers comments, notes on lost circulation, etc.
- b. Resistivity
- c. S.P.
- d. Neutron - epithermal neutron
- e. Sonic
- f. Birdwell 3-D or formation density

ORIGINAL SIGNED BY

Robert J. Wright
 Senior Technical Advisor
 High-Level Waste Technical
 Development Branch
 Division of Waste Management

cc:
 Colin Heath, DOE
 Paul Prestholt, Project
 Manager, NRC

DIST:

TICKET NO:

| | | | | | | | |
|------|------------------|---|----------|---|---|---|---|
| OFC | : WmHT | : | WmHT | : | : | : | : |
| NAME | : RJWright: Lmc: | : | HJMiller | : | : | : | : |
| DATE | : 08/04/81 | : | 8/6/81 | : | : | : | : |