



UNITED STATES
 NUCLEAR REGULATORY COMMISSION
 ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
 WM DOCKET CONTROL CENTER
 WASHINGTON, D. C. 20555

WM File 101

WM Project 10

Docket No. _____

PDR

x LPDR (B)

By: Walker

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August 6, 1987 (Return to WM, 623-SS)

'87 AUG 10 AIO:36

MEMORANDUM FOR: Dr. Dade W. Moeller, ACRS Member
 FROM: Dr. Sidney J.S. Parry, ACRS Senior Fellow
 SUBJECT: BWIP HYDROLOGY

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LPDR-WM-10 (2)
[Signature]

This topic has been subject of much discussion and correspondence over the past year and a half. Most recently the staff has responded to my request of September, 1986 for additional information on some of the recent BWIP baseholes.

Last month, in preparation for the Ground-Water-Travel-Time (GWTT) regulatory guide meeting the staff provided me with some very informative and helpful reports prepared by USGS and a contractor to the Yakima Indian Tribe. These reports are analyses of the report by Nuclear Waste Consultants (NWC) that the staff chose not to rely on during the preparation of the responses to DOE's Draft and Final EAs. The NWC report principally focused on the site's GWTT probably not meeting the regulatory requirement of 1000 years. The USGS letter report and the conclusion section of the Yakima report are attached for your information.

It should be noted that these reports provide post facto support for the decision not to stress the NWC findings in the responses to the EAs. In summary the USGS report states that resolution of the differences between the DOE and NWC estimations of the GWTT at Hanford will require additional data and further analysis of what assumptions should be made in making the calculation. The Yakima report, however, treats the NWC analysis very roughly. This is interesting since one might assume that the Yakima consultants might be biased towards finding the site unsuitable. Note: During the Subcommittee's recent trip to NNWSI a DOE official commented to me that some of the intervening state groups were shifting the emphasis of their comments. It is as if they now recognize that if their specific project were to be shut down, they would then be out of business.

Attachments:
 As Stated

cc: R.F. Fraley
 T.G. McCreless
 O. Merrill
 ✓ W. Walker, NMSS
 WM Subcommittee Members

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