

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

DATE December 28, 1982
IN REPLY REFER TO TWS-INC7-12/82-13
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Seth Coplan
Nuclear Regulatory Commission
7915 Eastern Avenue
Silver Springs, Maryland 20910

WM Record File	1/12/83
WM Dir.	
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WM HT.	WMHL
WMUR	Others

Dear Seth:

At the request of Don Vieth, we are sending you the tables of the composition for the groundwater from wells at Yucca Mountain in the Nevada Test Site. Tables I-IV are from the July-September, 1982 Quarterly in press. We will have draft copies of this quarterly available for you at the workshop January 12-13, 1983. Tables III and IV, with the exception of the analyses on waters from Wells USW-H4 and USW-H5, are also to be found in Tuff IV, LA-9238-MS, pages 24-39. The last two tables on Well USW-H6 and at-depth samples in USW-H4 are in the process of being typed and may not be available other than as these 2 tables.

In comparing the groundwater analyses one must be careful to note how the waters were sampled and how the wells were being pumped. Tables I and II are analyses on groundwater being pumped from an isolated zone of the well (2800-3000' - lower Bullfrog). Table III and the last table on USW-H4 show results of at-depth samples on a well which had been pumped but was not being pumped at the time of sampling. Table IV shows the results on "integral" samples. The wells were being pumped but largely from the permeable zone at the standing water level.

Don Vieth's letter of December 22 to you promises to send the location of boreholes and waterwells-a map is attached. The stratigraphy from each borehole is summarized in LA-9321-MS in Tables I, II, III, IV (p. 9-12), and also in Figures 2, 3, 4, 5, and 6.

Please call if you have any questions. We look forward to seeing you on January 12-13.

WM Record 102.2
WM Project 11
Docket No. _____
PDR ✓
LPR ✓

Sincerely,

Don
Donald T. Oakley

Allen E. Ogard

(cc'd to WM, 623-SS)
AEO/DTO:1mm

Encls. a/s

xc: Donald L. Vieth, WMPO/NV
CRMO(2)
TWS File

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WM-11 PDR

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