



United States Department of the Interior

GEOLOGICAL SURVEY
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IN REPLY
REFER TO:

January 27, 1984

Donald L. Vieth, Director
Waste Management Project Office
Department of Energy
P. O. Box 14100
Las Vegas, NV 89114-4100

WM Record File
1022

WM Project 11
Docket No. _____
PDR
LPDR

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(Return to WM, 623-SS)
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Ref: Letter WMPO:DLV-406

Dear Don:

This acknowledges receipt of your letter of January 25, 1984, questioning the adequacy of the "trench map" provided to the NRC staff and consultants and reminding me of the NRC's request for a more in-depth field trip.

It is evident that the illustration is a generalized interpretation of the detailed mapping done in the field, rather than the original record of the actual observations, and I regret any misunderstanding that apparently resulted.

As I believe you are aware, Mike Carr has been appointed chief of the Survey's NNWSI tectonics project as a result of Will Carr's recent retirement. Mike has transferred to the Branch of Western Regional Geology, which is at the forefront of research in neotectonics. Personnel in WRG have extensive experience in descriptive mapping of trenches across recently active faults in California and in the interpretation of these and other observations within the context of the most modern tectonics models. Both Mike and his Branch Chief, Desiree Stuart-Alexander, are enthusiastic about applying these up-to-date methods to the Yucca Mountain area. Ms. Stuart-Alexander attended the DOE/NRC Geology Workshop, so she is keenly aware of the lively discussions on tectonics that occurred.

Both Gary Dixon and Mike Carr informed me of NRC's wishes for an in-depth field trip to examine Quaternary geologic and tectonic features. I admit

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to having put it on the back burner due to the commitment of the personnel involved to the Environmental Assessment and the reorientation of our tectonics project staff. By copy of this letter to Mike Carr, I am requesting his assessment of the earliest time possible for this trip that is consistent with our obligations to the EA and its supporting documents.

Very truly yours,



William W. Dudley, Jr.
Technical Project Officer

cc w/encl:

Asst Chief Hydrologist, R&TC, Reston, VA
Chief, Office of Regional Geology, Reston, VA
Chief, Office of Hazardous Waste Hydrology, Reston, VA
Chief, Branch of Western Regional Geology, Menlo Park, CA
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W. B. Myers, CRG, Denver, CO
M. J. Carr, WRG, Menlo Park, CA

cc wo/encl:

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