



Department of Energy
Washington, DC 20585

January 6, 1994

Mr. C. William Reamer, Acting Director
Repository Licensing & Quality
Assurance Project Directorate
Division of High-Level
Waste Management
Office of Nuclear Material
Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Reference: Ltr, Roberts to Holonich, dtd 12/19/91

Dear Mr. Reamer:

Enclosed is the U.S. Department of Energy (DOE)/Yucca Mountain Site Characterization Project Office (YMPO) Peer Review Record on Seismic Methods for Characterizing Yucca Mountain, Nevada, and Vicinity. The Seismic Peer Review took place at YMPO between September 11-13, 1990. The review was empaneled to address the role of seismic methods in characterizing the structural setting at Yucca Mountain. The panel was asked to determine whether seismic methods, used with mixed results in the 1980s, could provide useful information about: (1) the structural character of the Paleozoic-Tertiary contact, and 2) the structure within the Tertiary-Quaternary section in the vicinity of Yucca Mountain. The peer review was carried out in the same time frame that YMPO prepared the "Geophysics White Paper" (YMP-90-38), which the U.S. Nuclear Regulatory Commission (NRC) has already received (reference).

The DOE verbally agreed to supply the NRC with the results of this review at the June 8, 1993, technical exchange on geophysics integration in Las Vegas, Nevada. The delay in making it available to the NRC and other affected parties was due to a contractor transition for publication of DOE/YMPO documents.

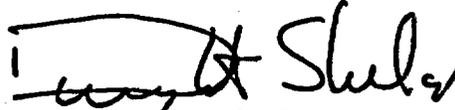
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If you have any questions, contact Chris Einberg of my staff at
(202) 586-8869.

Sincerely,



Dwight E. Shelor
Associate Director for
Systems and Compliance
Office of Civilian Radioactive
Waste Management

Enclosure:

Final Recommendations of the
Peer Review Panel On the Use
of Seismic Methods for
Characterizing Yucca Mountain
and Vicinity

cc w/ enclosure:

R. Nelson, YMPO
R. Loux, State of Nevada
W. Offutt, Nye County, NV
T. J. Hickey, Nevada Legislative Committee
D. Bechtel, Las Vegas, NV
Eureka County, NV
Lander County, Battle Mountain, NV
P. Niedzielski-Eichner, Nye County, NV
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