

*see packet 1
for enclosure*

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DEC 8 1986

MEMORANDUM FOR: John J. Linehan, Acting Chief
Repository Projects Branch
Division of Waste Management

FROM: Philip S. Justus, Acting Chief
Geotechnical Branch
Division of Waste Management

SUBJECT: REVIEW OF FINAL DOE ANNOTATED OUTLINE OF THE "RATIONALE
FOR SEISMIC/TECTONIC INVESTIGATIONS FOR LICENSING A
NUCLEAR WASTE REPOSITORY

Members of the staff of the Geology/Geophysics Section have performed an informal review of the subject document. Major observations of concern are the apparant lack of quantification of the term "significant", which is used many times throughout the document, the deference to the projects by DOE headquarters of a list of definitions of terms used in the rationale, and the incompleteness of the enumeration of items expected to be used in an approach for identifying seismic/tectonic phenomena during both the preclosure and the post-closure periods. Other observations of note are the recognition by the DOE of the need for different sets of seismic/tectonic processes and phenomena to characterize the preclosure and the post-closure and the distinction between the need for probability-based criteria for the preclosure and the post-closure.

Comments on the margins of copies of the document have been provided by Michael Blackford, Charlotte Abrams, and Harold Lefevre and separate comments have been provided by Abou-Bakr Ibrahim. These comments are attached to this memorandum. If you have any questions concerning these comments please contact Michael Blackford at x74597.

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Philip S. Justus, Acting Chief
Geotechnical Branch
Division of Waste Management

Enclosures:
As stated

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