

April 9, 1982

MEMORANDUM FOR: P. Pomeroy, ACRS Consultant
M. Trifunac, ACRS Consultant

FROM: D. C. Fischer, Reactor Engineer

SUBJECT: MIDLAND PLANT SEISMIC SITE-SPECIFIC RESPONSE SPECTRA

At the request of Dr. Okrent and as we recently discussed on the telephone, I am forwarding information on the Midland Plant seismic site-specific spectra for your review. Please provide Dr. Okrent with your comments on this subject (preferably in writing) by April 30, 1982. Using your comments the ACRS Subcommittee on Midland Plant Units 1 & 2 will determine if the plant's seismic site-specific spectra needs to be specifically addressed at the May 20-21, 1982 Midland Subcommittee meeting in Midland, MI. If the Subcommittee decides to discuss this topic at the May 20-21 meeting, your attendance at that meeting may be requested.

Documents attached include:

1. Testimony before the Atomic Safety and Licensing Board (ASLB), NRC Staff brief in support of the use of a site-specific response spectrum to comply with the requirements of 10 CFR Part 100, Appendix A.
2. Testimony before the ASLB, testimony of Jeffrey K. Kimball (NRR/DE/GSB) dated Sept. 29, 1981.
3. Testimony before the ASLB, testimony of Richard J. Holt, Western Geophysical Corporation.
4. Testimony before the ASLB, testimony of Dr. Paul F. Hadala, Assistant Chief of the Geotechnical Laboratory of the U.S. Army Engineer Waterways Experiment Station, dated Sept. 29, 1981.
5. NRC Staff summary of the Sept. 8, 1981 meeting on Midland Seismic Input Parameters, dated Dec. 3, 1981.
6. "Site Specific Response Spectra Midland Plant - Units 1 & 2" final report part 1, addendum to part 1, part 2, and part 3 prepared for Consumers Power Company by Weston Geophysical Corporation.

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7. "Basis for the Rejection of the 1966 Parkfield Earthquake Accelerograms for use in Midland Plant Site Specific Spectra" dated July 1981; prepared for Consumers Power Company by Weston Geophysical Corporation.
8. Memo from J. Knight (NRR/DE) to R. Tedesco (NRR/DL) dated April 6, 1982 re Geological and Seismological Branch Input to the Midland SER.
9. Memo from J. Knight (NRR/DE) to R. Tedesco (NRR/DL) dated April 6, 1982 re Geotechnical Engineering Branch Input to the Midland SER.
10. Memo from J. Knight (NRR/DE) to R. Tedesco (NRR/DL) dated April 5, 1982 re Structural Engineering Branch Input to the Midland SER.
11. Memo from J. Knight (NRR/DE) to E. Adensam (NRR/DL) re Hydrologic Engineering Input to the Midland SER.

cc: D. Okrent, w/attach.
C. Siess, w/attach.
M. Bender, w/o attach.
J. McKinley, w/o attach:
J. C. Ebersole, w/o attach.
W. Mathis, w/o attach.
D. Moeller, " "
W. Lipinski, " "
J. Osterberg, " "
E. Epler, " "
Z. Zudans, " "
R. Scavuzzo, " "
F. Parker, " "