

NOV 18 1982

Docket Nos.: 50-329/330

Mr. J. W. Cook
Vice President
Consumers Power Company
1945 West Parnall Road
Jackson, MI 49201

Dear Mr. Cook:

Subject: Seismic/Dynamic Equipment Qualification Criteria

A meeting was held in Bethesda, Maryland on October 21, 1982, to discuss the Midland program for seismic/dynamic qualification of equipment. During the meeting, it became apparent that a clear understanding does not exist in terms of applying the Midland site specific response spectra (SSRS). At the conclusion of the meeting, the staff agreed to provide clarification of which approach the staff considers acceptable. This letter provides that clarification.

Section 3.10 of the Midland Safety Evaluation Report (NUREG-0793) discusses the need for additional information regarding this qualification program. Neither the FSAR nor the SER specifically address how the site specific response spectra would be factored into the seismic/dynamic qualification test program. The meeting summary for a March 17, 1982 meeting on this subject states that Midland equipment will be seismically qualified to the FSAR commitments and a comparison would be made to current MRC seismic criteria. Consistent with decisions made on other plants of Midland's vintage, the staff would consider the following approach acceptable:

1. demonstrate qualification of all safety related equipment using the 1982 FSAR spectra;
2. demonstrate that all equipment needed to shutdown the reactor and maintain it in a safe condition would remain functional following an SSRS earthquake by actual qualification to an adequate spectra (such as an envelope higher than or equal to the shape derived from SSRS) or by providing appropriate justification;
3. document the process used to demonstrate functionality (item #2 above) in the record of qualification to be maintained for each affected piece/type of equipment for historical purposes; and
4. any new equipment would be purchased to the SSRS.

OFFICE ▶	8211240236 821118 PDR ADOCK 05000329 A	PDR				
SURNAME ▶						
DATE ▶						

Should your staff consider it necessary to hold additional meetings on what the NRC will require in this area, please arrange a meeting through our Licensing Project Manager for Midland.

Sincerely,

Original signed by:
Thomas M. Novak

Thomas M. Novak, Assistant Director
for Licensing
Division of Licensing

cc: See next page

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