

# DUKE POWER COMPANY

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October 28, 1982

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Attention: Ms. E. G. Adensam, Chief  
Licensing Branch No. 4

Subject: McGuire Nuclear Station  
Docket No. 50-370

Dear Mr. Denton:

In reference to your October 8, 1982 letter, the following information is provided to facilitate your review of the seismic and dynamic qualifications of the McGuire Unit 2 safety-related equipment.

All equipment required to shutdown and maintain the reactor in a safe and orderly condition or prevent the uncontrolled release of excessive amounts of radioactivity has a seismic classification of Category 1. The Category 1 classification is discussed in Section 3.2 and the Category 1 equipment is tabulated in Tables 3.2.2-2 and 3.2.3-1 of the McGuire FSAR. The equipment designated Category 1 is designed to withstand, without loss of function, the OBE and SSE. There are no differences in the McGuire Unit 1 and Unit 2 Category 1 equipment that would impact the seismic capability of said equipment.

Unit 1 and Unit 2 Category 1 equipment is designed for seismic response by the use of response spectra as described in Sections 2.5 and 3.7 and Appendix 2E of the McGuire FSAR. The method of qualification of Category 1 equipment to these response spectra is discussed in Sections 3.9 and 3.10 of the McGuire FSAR. The FSAR criteria outlined above apply equally to Unit 1 and Unit 2 of the McGuire Nuclear Station.

It should be noted that the NRC Seismic Qualification Review Team (SQRT) performed a seismic audit of the McGuire Nuclear Station on January 31-February 1, 1977. Intensive reviews and in-plant inspection were conducted and Duke's seismic qualification program for Category 1 equipment was found to be acceptable.

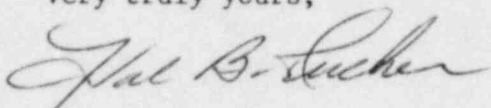
In summary, there are no differences in equipment type response spectra, location, mounting, placement, testing, analytical techniques, or procedures between McGuire Unit 1 and McGuire Unit 2 that would invalidate the NRC Staff's previous findings.

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The McGuire FSAR and the programs reviewed by the SQRT apply equally to both McGuire Units and the seismic qualification programs for Category 1 equipment described in the FSAR have been reviewed and approved (NUREG-0422; McGuire Safety Evaluation Report). It is Duke's position that the Category 1 equipment at the McGuire Nuclear Station (Units 1 and 2) is adequately seismically qualified and will function as stated in the McGuire FSAR.

Very truly yours,



Hal B. Tucker

JAM:REH:jfw

cc: Mr. James P. O'Reilly, Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region II  
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Atlanta, Georgia 30303

Mr. P. R. Bemis  
Senior Resident Inspector  
McGuire Nuclear Station