

November 15, 1999

Mr. Guy G. Campbell, Vice President - Nuclear
FirstEnergy Nuclear Operating Company
5501 North State Route 2
Oak Harbor, OH 43449-9760

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION ON THE RESOLUTION OF
UNRESOLVED SAFETY ISSUE (USI) A-46 - DAVIS-BESSE NUCLEAR
POWER STATION, UNIT 1 (TAC NO. M69441)

Dear Mr. Campbell:

By letter dated April 30, 1997, you responded to the staff's December 17, 1996, request for additional information (RAI) regarding the Seismic Evaluation Report for Davis-Besse Nuclear Power Plant, Unit 1. The report was submitted in response to Generic Letter 87-02, Supplement 1, on the resolution of USI A-46. We have determined that we need additional information to complete our review. Please respond to the enclosed RAI.

The enclosed question was discussed with Mr. D. Wuokko, *et. al.*, of your staff. As was agreed to by your staff, please provide your response by March 31, 2000. If you have any questions about our review, please contact me at (301) 415-1321.

Sincerely,

Original signed by:

Stewart N. Bailey, Project Manager, Section 2
Project Directorate III
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-346

Enclosure: RAI

cc w/encl: See next page

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DATE	11/10/99		11/9/99	11/05/99		11/10/99	

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PDR ADOCK

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

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FirstEnergy Nuclear Operating Company
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Oak Harbor, OH 43449-9760

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Sincerely,

A handwritten signature in black ink, appearing to read "Stewart N. Bailey".

Stewart N. Bailey, Project Manager, Section 2
Project Directorate III
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-346

Enclosure: RAI

cc w/encl: See next page

Mr. Guy G. Campbell

Davis-Besse Nuclear Power Station, Unit 1
FirstEnergy Nuclear Operating Company

cc:

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Oak Harbor, OH 43449-9760

President, Board of County
Commissioners of Ottawa County
Port Clinton, OH 43252

REQUEST FOR ADDITIONAL INFORMATION
BY THE OFFICE OF NUCLEAR REACTOR REGULATION
UNRESOLVED SAFETY ISSUE (ISI) A-46
DAVIS-BESSE NUCLEAR POWER STATION, UNIT 1

For the following locations in Davis-Besse Nuclear Power Station, Unit 1, the median centered realistic in-structure response spectra are greater than 1.5 times the ground response spectra:

<u>Structure</u>	<u>Elevation</u>	<u>Direction</u>	<u>Page*</u>
Auxiliary Building Area 7	585	E-W	C-6
Auxiliary Building Area 7	603	E-W	C-9
Auxiliary Building Area 7	612	E-W	C-12
Auxiliary Building Area 8	584	N-S	C-26
Containment Internal	574	N-S	C-47
Containment Internal	578	N-S	C-50
Containment Internal	585	N-S	C-53
Containment Internal	595	N-S	C-56
Containment Internal	603	E-W	C-60
Containment Internal	606	E-W	C-63
Auxiliary Building Area 6	585	E-W	C-81
Auxiliary Building Area 6	603	N-S	C-83
Intake Structure	561	E-W	C-93
Intake Structure	576	E-W	C-96
Intake Structure	585	E-W	C-99

*the page numbers are from Appendix C of your submittal dated April 30, 1997, Serial No. 2460

(Note: This list represents the direction at each elevation with the highest amplification factor. The orthogonal direction may also have an amplification factor higher than 1.5 times the ground response spectrum.)

The Seismic Qualification Utility Group Generic Implementing Procedure, Revision 2, specifies that Method A should only be applied if the amplification factor is less than or equal to 1.5 times the ground response spectrum. Please provide a technical justification for why it is acceptable to use Method A in each of these locations.

ENCLOSURE