

July 8, 2004

Mr. Mark B. Bezilla  
Vice President-Nuclear, Davis-Besse  
FirstEnergy Nuclear Operating Company  
Davis-Besse Nuclear Power Station  
5501 North State Route 2  
Oak Harbor, OH 43449-9760

SUBJECT: DAVIS-BESSE NUCLEAR POWER STATION, UNIT 1 - REQUEST FOR  
ADDITIONAL INFORMATION RELATED TO EXEMPTION REQUEST  
(TAC NO. MC1833)

Dear Mr. Bezilla:

By letter dated January 20, 2004, FirstEnergy Nuclear Operating Company requested an exemption to 10 CFR Part 50, Appendix R, Section III.G.3 for Fire Area HH. The U.S. Nuclear Regulatory Commission (NRC) staff has found that additional information as discussed in the enclosure to this letter, is needed to complete its review of your application.

The NRC staff developed the enclosed questions and forwarded them to your staff on June 14, 2004. Upon review, your staff stated that they understood the questions and it was agreed that a response would be provided 60 days from the date of this letter. If our understanding is not correct, please contact me at (301) 415-3027 at the earliest opportunity.

Sincerely,

*/RA/*

Jon B. Hopkins, Sr. Project Manager, Section 2  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No.: 50-346

Enclosure: As stated

cc w/encl: See next page

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DATE	07/07/04	07/06/04	07/08/04

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Davis-Besse Nuclear Power Station, Unit 1

- 2 -

cc:

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FirstEnergy Nuclear Operating Company  
Davis-Besse Nuclear Power Station  
5501 North State Route 2  
Oak Harbor, OH 43449-9760

REQUEST FOR ADDITIONAL INFORMATION

DAVIS-BESSE NUCLEAR POWER STATION

DOCKET NO. 50-346

1. The exemption request states that Fire Area HH consists of three rooms: the Air Conditioning (A/C) Equipment Room (Room 603), the Records and Storage Area (Room 603A), and Vestibule (Room 603B).
  - a. Provide a description of the separation of the rooms in the fire area. For example, what is the separation between 603, and 603A and 603B?
  - b. Describe the fire brigade's methods for dealing with fires in these areas.
2. The exemption request states that "fire damage to the circuits for the Control Room Emergency Ventilation in Fire Area HH could disable the Control Room HVAC [heating, ventilation, and air conditioning]."
  - a. Describe the shutdown procedures for the plant in the event of the loss of Control Room HVAC. Include time estimates for various steps and estimated time that Control Room evacuation will be required. Are manual actions required? If so, briefly describe the complexity of the manual actions.
  - b. Provide examples of other procedures that could be used to ventilate the room. Are there any other means that could be used to ventilate the control room which could avoid control room evacuation (such as ventilation fans, propping doors open)? If there are other means, how long will these means delay control room abandonment?
3. The exemption request also states that grease and lube oil are present in the room. Describe the quantity and location of these combustibles and possible sources of ignition with respect to the cables of interest.
4. The exemption request states that fire detection covers "approximately 96 percent of Fire Area HH."
  - a. Provide a description of the fire detection system(s) present in room 603.
  - b. List the codes or standards to which it was designed and installed to, and any deviations from the code.
  - c. Provide justification for not having a fire detection system that covers 100 percent of the fire area. If rooms 603A and 603B do not have fire detection, explain how a fire in these areas will be detected and extinguished.
  - d. Provide details regarding the proximity of 603A and 603B to the cables of interest.
5. Provide a description of the combustible loading limitations in each of these areas.

ENCLOSURE