

January 21, 2004

Mr. Thomas Coutu  
Site Vice President  
Kewaunee Nuclear Power Plant  
Nuclear Management Company, LLC  
N490 State Highway 42  
Kewaunee, WI 54216

SUBJECT: KEWAUNEE NUCLEAR POWER PLANT - REQUEST FOR ADDITIONAL  
INFORMATION FOR PROPOSED AMENDMENT REQUEST TO REVISE  
TECHNICAL SPECIFICATION 3.3.E, "SERVICE WATER SYSTEM"  
(TAC NO. MB9944)

Dear Mr. Coutu:

By letter dated July 7, 2003, the Nuclear Management Company, LLC (NMC or the licensee) submitted a request for a proposed amendment to revise the Kewaunee Nuclear Power Plant Technical Specifications 3.3.E, "Service Water System," regarding the turbine building service water header isolation logic.

The Nuclear Regulatory Commission (NRC) staff has reviewed the information NMC provided with the July 7, 2003, submittal. Based on the review, the NRC staff has determined that additional information is required in order to complete the evaluation. The additional information being requested is enclosed.

A draft of the request for additional information was e-mailed to Mr. G. Riste (NMC) on December 18, 2003.

A phone call was held between G. Riste (NMC) and myself on January 13, 2004, to discuss the e-mail sent on December 18, 2003, to ensure that there was no misunderstanding.

Also, the phone call on January 13, 2004, established that February 28, 2004, would be a mutually agreeable response date.

Please contact me at (301) 415-1446 if future circumstances should require a change in this response date.

Sincerely,

*/RA/*

John G. Lamb, Project Manager, Section 1  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-305

Enclosure: Request for Additional Information

cc w/encl: See next page

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REQUEST FOR ADDITIONAL INFORMATION (RAI)

REGARDING PROPOSED AMENDMENT REQUEST TO TECHNICAL SPECIFICATION

TS 3.3.E, "SERVICE WATER SYSTEM"

KEWAUNEE NUCLEAR POWER PLANT

DOCKET NO. 50-305

1. The July 7, 2003, license amendment request (LAR) states that a Section 3 will be added to Technical Specifications (TS) 3.3.e, "Service Water System" to include an automatic isolation function to isolate the turbine building non-safety-related service water from the service water header during a design-basis accident. The isolation logic is based on Safety Injection signal coincident with a service water low-pressure signal. Since the isolation function is required to mitigate a design-basis accident, the design of isolation logic should meet the protection system design criteria as required by regulation 10 CFR 50.55a(h) (IEEE std. 279/603). Provide detailed design information to demonstrate that the service water automatic isolation function meets the IEEE std. 279 or IEEE std. 603 requirements.
2. Table TS 4.1-1, "Minimum Frequencies for Checks, Calibrations and Test of Instrument Channels" indicates that the instruments for service water isolation logic will be calibrated each refueling cycle and will be tested each refueling cycle. Justify these calibration and test frequencies.
3. The LAR states that turbine building service water header isolation logic is only required to function for the service water train aligned to the turbine building header during a design-basis accident; therefore, the operability of the service water train not aligned to the turbine building header is independent of the operability of the isolation logic. Discuss the "operability determination criteria" for the isolation logic and for the service water train.

ENCLOSURE

Kewaunee Nuclear Power Plant

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