



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

April 11, 2001

Mr. Mark Reddemann
Site Vice President
Kewaunee and Point Beach Nuclear Power Plants
Nuclear Management Company, LLC
6610 Nuclear Road
Two Rivers, WI 54241

SUBJECT: KEWAUNEE NUCLEAR POWER PLANT - REQUEST FOR ADDITIONAL
INFORMATION RELATED TO PROPOSED AMENDMENT 172 TO KEWAUNEE
NUCLEAR POWER PLANT TECHNICAL SPECIFICATIONS (TAC NO. MB1032)

Dear Mr. Reddemann :

By letter dated January 18, 2001, Nuclear Management Company, LLC (NMC or the licensee) submitted a proposed amendment to the Kewaunee Nuclear Power Plant (KNPP) Technical Specifications (TSs) 3.10.m for Reactor Coolant Minimum Flow. NMC proposed to change the KNPP TSs 3.10.m for reactor coolant minimum flow from 85,500 gallons per minute (gpm) to 93,000 gpm. This proposed KNPP TSs change was requested to support operation with the replacement steam generators and Cycle 25 core design. The replacement steam generators are presently scheduled to be installed in the fall of 2001.

The Nuclear Regulatory Commission (NRC) staff finds that the additional information identified in Enclosure 1 is needed.

A draft of the request for additional information (RAI) (Enclosure 2) was e-mailed to Mr. T. Webb (NMC) and discussed by telephone call on April 6, 2001.

A phone call was held between Mark Van Noy (NMC) and myself on April 9, 2001, to discuss the questions to ensure that there was no misunderstanding. Also, the phone call established a mutually agreeable response date of 30 days from the date of this letter.

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

Sincerely,

A handwritten signature in black ink that reads "John G. Lamb".

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

Docket No. 50-305

Enclosures: 1. Request for Additional Information
2. E-mail with Draft Request for Additional Information

cc w/encls: See next page

April 11, 2001

Mr. Mark Reddemann
Site Vice President
Kewaunee and Point Beach Nuclear Power Plants
Nuclear Management Company, LLC
6610 Nuclear Road
Two Rivers, WI 54241

SUBJECT: KEWAUNEE NUCLEAR POWER PLANT - REQUEST FOR ADDITIONAL
INFORMATION RELATED TO PROPOSED AMENDMENT 172 TO KEWAUNEE
NUCLEAR POWER PLANT TECHNICAL SPECIFICATIONS (TAC NO. MB1032)

Dear Mr. Reddemann :

By letter dated January 18, 2001, Nuclear Management Company, LLC (NMC or the licensee) submitted a proposed amendment to the Kewaunee Nuclear Power Plant (KNPP) Technical Specifications (TSs) 3.10.m for Reactor Coolant Minimum Flow. NMC proposed to change the KNPP TSs 3.10.m for reactor coolant minimum flow from 85,500 gallons per minute (gpm) to 93,000 gpm. This proposed KNPP TSs change was requested to support operation with the replacement steam generators and Cycle 25 core design. The replacement steam generators are presently scheduled to be installed in the fall of 2001.

The Nuclear Regulatory Commission (NRC) staff finds that the additional information identified in Enclosure 1 is needed.

A draft of the request for additional information (RAI) (Enclosure 2) was e-mailed to Mr. T. Webb (NMC) and discussed by telephone call on April 6, 2001.

A phone call was held between Mark Van Noy (NMC) and myself on April 9, 2001, to discuss the questions to ensure that there was no misunderstanding. Also, the phone call established a mutually agreeable response date of 30 days from the date of this letter.

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

- Enclosures: 1. Request for Additional Information
- 2. E-mail with Draft Request for Additional Information

cc w/encls: See next page

DISTRIBUTION

PUBLIC SBlack SSun FAKstulewicz THarris
PDIII-1 Reading LBerry RLanksbury, RIII JLamb ACRS
CCraig OGC

OFFICE	PDIII-1/PM	PDIII-1/LA	PDIII-1/SC
NAME	JLamb <i>[Signature]</i>	THarris <i>[Signature]</i>	CCraig <i>[Signature]</i>
DATE	4/10/01	4/10/01	4/11/01

DOCUMENT NAME: G:\PDIII-1\KEWAUNEE\RA\mb1032.wpd

OFFICIAL RECORD COPY

Kewaunee Nuclear Power Plant

cc:

Foley & Lardner
ATTN: Bradley D. Jackson
One South Pinckney Street
P.O. Box 1497
Madison, WI 53701-1497

Nuclear Asset Manager
Wisconsin Public Service Corporation
600 N. Adams Street
Green Bay, WI 54307-9002

Chairman
Town of Carlton
Route 1
Kewaunee, WI 54216

Plant Manager
Kewaunee Nuclear Power Plant
Nuclear Management Company, LLC
North 490, Highway 42
Kewaunee, WI 54216-9511

Gerald Novickus, Chairman
Kewaunee County Board
Kewaunee County Courthouse
Kewaunee, WI 54216

Attorney General
114 East, State Capitol
Madison, WI 53702

U.S. Nuclear Regulatory Commission
Resident Inspectors Office
Route #1, Box 999
Kewaunee, WI 54216

Regional Administrator - Region III
U.S. Nuclear Regulatory Commission
801 Warrenville Road
Lisle, IL 60532-4531

James D. Loock, Chief Engineer
Public Service Commission
of Wisconsin
610 N. Whitney Way
Madison, WI 53707-7854

Michael D. Wadley
Chief Nuclear Officer
Nuclear Management Company, LLC
700 First Street
Hudson, WI 54016

REQUEST FOR ADDITIONAL INFORMATION REGARDING
PROPOSED AMENDMENT 172 TO KEWAUNEE NUCLEAR POWER PLANT TECHNICAL
SPECIFICATONS FOR REACTOR COOLANT SYSTEM (RCS) MINIMUM FLOW
(TAC NO. MB1032)

The Nuclear Regulatory Commission (NRC) staff finds that the following additional information is needed:

1. It is stated in your submittal that the design transient analyses used as the bases for the reactor coolant minimum flow value proposed in this amendment request (93,000 gpm) were calculated using RETRAN 3D in the 2D mode. However, NRC permission for Kewaunee Nuclear Power Plant (KNPP) to use this methodology will be restricted to preclude the use the code for five transient and accidents because benchmark analyses were not performed in the Topical Report WPSRSEM-NP, Rev. 3. Please confirm that all the supporting analyses for the proposes technical specification (TS) changes are performed with approved methods.
2. Provide the results of the re-analyzed non-loss-of-coolant accident (LOCA) design-basis transients and accidents affected by the replacement steam generator (RSG) using assumptions consistent with RSG design and operating characteristics. This information is needed to support the proposed change in TS value of the RCS minimum flow.

ENCLOSURE 1

From: John Lamb
To: internet: TWEBB@wpsr.com
Date: 4/5/01 4:09PM
Subject: Fwd: Kewaunee - RCS Minimum Flow / RAIs

Tom,

Attached are the draft RAI questions for the RCS min flow TS change. Please give me a call when you get a chance so we can set up a conference call on the RAI.

John

From: Chu-Yu Liang
To: John Lamb
Date: 4/5/01 3:29PM
Subject: Kewaunee - RCS Minimum Flow / RAIs

Please arrange a conference call with the licensee to discuss the attached RAIs. Thanks.

CC: Frank Akstulewicz

**REQUEST FOR ADDITIONAL INFORMATION
CONCERNING TECHNICAL SPECIFICATION CHANGE FOR
REACTOR COOLANT MINIMUM FLOW
KEWAUNEE NUCLEAR POWER PLANT**

1. It is stated in your submittal that the design transient analyses used as the bases for the Reactor Coolant Minimum Flow value proposed in this amendment request (93,000 gpm) were calculated using RETRAN 3D in the 2D mode. However, the NRC permission for KNPP to use this methodology will be restricted to preclude the use for five transient and accidents that the benchmark analyses were not performed in the Topical Report WPSRSEM-NP, Rev. 3. Please confirm that all the supporting analyses for the proposes TS changes are performed with approved methods.

2. Provide the results of the re-analyzed Non-LOCA design basis transients and accidents affected by the RSG using assumptions consistent with RSG design and operating characteristics. These information are needed to support the proposed change in TS value of the RCS minimum flow.