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*See Proposed
Change to
T/S*

SUBJECT: Application for proposed amend 152 to license DPR-43,
 incorporating changes to TS 2.1 & 3.10 to revise power
 distribution peaking factor limits & limits operating
 parameters related to MDNBR.

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**Public Service Corporation**

(a subsidiary of WPS resources corporation)
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April 15, 1998

10 CFR 50.90

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Ladies/Gentlemen:

Docket 50-305
Operating License DPR-43
Kewaunee Nuclear Power Plant
Proposed Amendment 152 to the Kewaunee Nuclear Power Plant Technical Specifications

- References:
- 1) Letter from M. L. Marchi to USNRC Document Control Desk, "KEW-19 Fuel and Cycle 23 Reload Design Changes," dated September 5, 1997.
 - 2) Letter from R. J. Laufer to M. L. Marchi, dated December 30, 1997, "Safety Evaluation for the HTP DNB Correlation and the Associated 1.14 MDNBR Safety Limit for Kewaunee Fuel."

This proposed amendment (PA) to the Kewaunee Nuclear Power Plant (KNPP) Technical Specifications (TS) is being submitted to implement the improvements realized by the new fuel design and to reflect the changes to the Kewaunee plant conditions. The proposed amendment incorporates changes to TS 2.1, "Safety Limits" and TS 3.10, "Control Rod and Power Distribution Limits." These proposed changes revise the power distribution peaking factor limits and limits operating parameters related to the Minimum Departure from Nucleate Boiling Ratio (MDNBR).

Attachment 1 to this letter contains a description, a safety evaluation, a significant hazards determination and environmental considerations for the proposed changes. Attachments 2 and 3 contains the following affected TS pages: TS ii, TS B2.1-1, TS B2.1-2, TS Figure 2.1-1, TS 3.10-1 through TS 3.10-10, TS B3.10-1 through TS B3.10-9, Figure TS 3.10-1 and Figure TS 3.10-2. Attachment 4 contains a summary of the LOCA events and Attachment 5 contains a summary of the non-LOCA safety analyses for the increased peaking factor limits. Attachment 6 contains a radiological assessment of the increased peaking factor limits.

To ensure that operation of cycle 23 is not delayed, Wisconsin Public Service Corporation (WPSC) respectfully requests that this amendment be approved before November 25, 1998.

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April 15, 1998

Page 2

In accordance with the requirements of 10 CFR 50.30(b), this submittal has been signed and notarized. A complete copy of this submittal has been transmitted to the State of Wisconsin as required by 10 CFR 50.91(b)(1).

Sincerely,



Clark R. Steinhardt

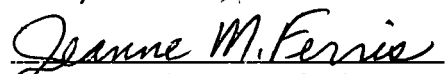
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MAR/jmf

Attach.

cc - US NRC - Region III
US NRC Senior Resident Inspector
Electric Division, PSCW

Subscribed and Sworn to
Before Me This 15th Day
of April 1998


Notary Public, State of Wisconsin

My Commission Expires:

June 13, 1999