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 STEINHARDT, C. Wisconsin Public Service Corp. *See Report*
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SUBJECT: Proposed Amend 156 to License DPR-43, changing F* & elevated
 F* SG tubesheet region alternate repair criteria. Non-
 proprietary Rev 1 to WCAP-14678 & proprietary Rev 1 to
 WCAP-14577 encl. Proprietary rept withheld.

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Public Service

Wisconsin Public Service Corporation

(a subsidiary of WPS Resources Corporation)

600 North Adams Street

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Green Bay, WI 54307-9002

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June 1, 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 156 to the Kewaunee Nuclear Power Plant Technical Specifications:

Changes in the F* and Elevated F* Steam Generator Tubesheet Region Alternate Repair Criteria

- References: 1) Letter from C.R. Steinhardt (WPSC) to Document Control Desk (NRC) dated July 3, 1996.
- 2) Letter from R.J. Laufer (NRC) to M.L. Marchi (WPSC) dated October 2, 1996.

Wisconsin Public Service Corporation (WPSC) is submitting this Technical Specification (TS) amendment request to revise the minimum roll expansion distances for the F* and elevated F* (EF*) repair criteria from 1.12 inches and 1.44 inches to 1.11 inches and 1.51 inches, respectively. The F* and EF* repair criteria are used to disposition or repair steam generator (SG) tubes with indications of degradation in either the original factory roll expansion in the tubesheet or the unexpanded portion of tube within the tubesheet. The changes are occurring because the original analyses for F* and EF* were performed using normal operational parameters of the Kewaunee Nuclear Power Plant (KNPP) during the 1995 to 1996 operating cycle, specifically, the operating primary to secondary differential pressure. Since the development of the original analyses, the primary to secondary differential pressure has changed due to SG tube plugging and sleeving. Therefore, WPSC contracted Westinghouse to reevaluate the F* and EF* analyses using the Kewaunee design primary to secondary differential pressure of 1600 psi. During the Westinghouse evaluation, a minor error was found in the original calculation. This error was conservative and has been corrected. There currently are no F* or EF* repaired tubes in service at KNPP. Therefore, no tubes are currently affected by this change.

This proposed TS amendment affects TS section 4.2.b, "Steam Generator Tubes." Attachment 1 contains background information, a description of the proposed TS changes, a safety evaluation, significant hazards determination, and environmental considerations. Attachments 2 and 3 contain

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June 1, 1998

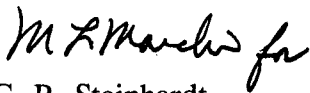
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the affected TS pages. The technical bases for the revised F* and EF* repair criteria are discussed in WCAP-14677, Revision 1, "F* and Elevated F* Tube Alternate Repair Criteria For Tubes With Degradation Within the Tubesheet Region of the Kewaunee Steam Generators," dated May, 1998. A proprietary and non-proprietary version of WCAP-14677, Revision 1 are enclosed in Attachment 4. Also enclosed in Attachment 4 are a Westinghouse proprietary authorization letter (CAW-98-1239), the accompanying affidavit, a Proprietary Information Notice, and a Copyright Notice. The original technical and licensing bases for F* and EF* repair criteria, as well as the qualification of the additional roll expansion joint, were approved by the NRC on October 2, 1996 (reference 2).

KNPP intends to implement the F* and EF* repair criteria during our next in-service inspection outage. Therefore, the results of the staff review of this proposed amendment will factor significantly into our plans for that outage, currently scheduled to begin October 17, 1998.

In accordance with the requirements of 10 CFR 50.36(b), this submittal has been signed and notarized. A copy of this submittal has been transmitted to the State of Wisconsin as required by 10 CFR 50.91(b)(1). Please call a member of my staff if we can be of any assistance regarding the review of this amendment request.

Sincerely,



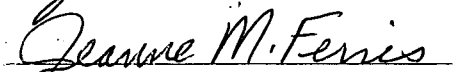
C. R. Steinhardt
Senior Vice President-Nuclear Power

LMG/jmf

Attach.

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

Subscribed and Sworn to
Before Me This 1st Day
of June 1998



Notary Public, State of Wisconsin

My Commission Expires:
June 13, 1999

ATTACHMENT 1

Letter from C. R. Steinhardt (WPSC)

To

Document Control Desk (NRC)

Dated

June 1, 1998

Proposed Amendment 156

Introduction
Description of Proposed Changes
Safety Evaluation
Significant Hazards Determination
Environmental Considerations