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SUBJECT: Proposed Amend 144 to License DPR-43, allowing laser-welded repair of Westinghouse hybrid expansion joint sleeved SG tubes. Non-proprietary WCAP-14686 & proprietary WCAP-14685 repts encl. Proprietary rept withheld.

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WISCONSIN PUBLIC SERVICE CORPORATION

600 North Adams • P.O. Box 19002 • Green Bay, WI 54307-9002

September 6, 1996

10 CFR 50.90

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

Ladies/Gentlemen:

Docket 50-305
Operating License DPR-43
Kewaunee Nuclear Power Plant
Proposed Amendment 144 to the Kewaunee Nuclear Power Plant Technical Specifications:
Laser Welded Repair of Degraded Westinghouse Hybrid Expansion Joint Sleeves

Reference: Letter from C.R. Steinhardt (WPSC) to U.S. Nuclear Regulatory Commission
dated April 18, 1996.

Wisconsin Public Service Corporation (WPSC) is submitting this proposed Technical Specification (TS) amendment to allow a laser-welded repair of Westinghouse hybrid expansion joint (HEJ) sleeved steam generator (SG) tubes. The proposed repair process is similar to the laser welded sleeving technique that has been licensed and successfully used at a number of other plants. The repair would be performed by fusing the tube and sleeve using an autogenous laser welding technique in the approximate mid-point of the existing upper HEJ hardroll expansion. By fusing the tube and the sleeve, parent tube degradation below the weld is isolated and a new pressure boundary is formed. The new pressure boundary, i.e., the weld, satisfies both the structural and leakage integrity requirements of the sleeved tube assembly with no change in the flow or heat transfer characteristics of the sleeved tube.

A series of fabrication and corrosion tests have been performed to support implementation of the proposed HEJ repair process. The results of the fabrication tests were submitted to the NRC in report SGO-ATD-96-13, titled "Interim Report on Laser Weld Repair of Hybrid Expansion Joint Sleeves," on April 18, 1996. The results of the corrosion testing program, as well as supporting analytical work, are discussed in WCAP-14685, titled "Laser Weld Repair of HEJ Sleeves for Kewaunee Nuclear Power Plant."

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September 6, 1996
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This proposed amendment affects TS section 4.2.b, "Steam Generator Tubes." Attachment 1 contains background information, a description of the proposed change, a safety evaluation, the no significant hazards determination and environmental considerations. Attachment 2 contains the affected TS pages. Attachment 3 contains WCAP-14685 (proprietary and non-proprietary versions) and the accompanying affidavit request.

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 contact a member of my staff if you have questions or require additional information.

Sincerely,

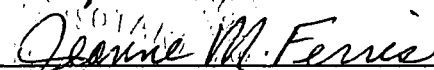

Clark R. Steinhardt
Senior Vice President - Nuclear Power

SLB

Attach.

cc - US NRC, Region III
US NRC Senior Resident Inspector
Mr. Lanny Smith, PSCW

Subscribed and Sworn to
Before Me This 6th Day
of September 1996


Notary Public, State of Wisconsin

My Commission Expires:
June 13, 1999