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 AUTH. NAME: HINTZ, D.C. AUTHOR AFFILIATION: Wisconsin Public Service Corp.  
 RECIP. NAME: DENTON, H.R. RECIPIENT AFFILIATION: Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards addl info re second 10-yr inservice insp program for facility, per S Varga 850122 request.

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**WISCONSIN PUBLIC SERVICE CORPORATION**  
P.O. Box 1200, Green Bay, WI 54305



March 14, 1985

Dr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Dr. Denton:

Docket 50-305  
Operating License DPR-43  
Kewaunee Nuclear Power Plant  
TAC No.#54740  
Additional Information on ISI Plan

References: 1) Letter from C. W. Giesler to H. R. Denton dated March 30, 1984  
2) Letter from S. A. Varga to D. C. Hintz dated January 22, 1985

By letter dated March 30, 1984, (reference 1) we submitted our second ten-year Inservice Inspection Program for the Kewaunee Nuclear Power Plant. In reference 2 you requested additional information to complete your review.

Please find attached our response to your questions as presented in reference 2.

Very truly yours,

A handwritten signature in dark ink, appearing to read "D. C. Hintz".

D. C. Hintz  
Manager - Nuclear Power

DSN:jks

Attachment

cc - Mr. Robert Nelson, US NRC  
Mr. S. A. Varga, US NRC

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NRC Question 1

By letter dated March 30, 1984, you submitted a proposed inservice inspection (ISI) program for the second 10-year inspection interval of Kewaunee. We will be using this program, along with the documents reference in it, to review your requests for relief and code-allowed exemptions from the requirements of the 1980 Edition (with addenda through Winter 1981) of Section XI of the ASME Boiler and Pressure Vessel Code. If there are any documents not referenced that you believe may aid our review (including any additional relief requests) please provide us with copies. If they have been previously furnished to the NRC, please document by reference.

WPSC Answer

The following list of letters may aid in your review of our relief requests:

- 1) Letter from S. A. Varga to E. R. Mathews dated March 30, 1982
- 2) Letter from E. R. Mathews to S. A. Varga dated May 7, 1982
- 3) Letter from C. W. Giesler to D. G. Eisenhut dated March 3, 1983
- 4) Letter from S. A. Varga to C. W. Giesler dated April 19, 1983
- 5) Letter from S. A. Varga to C. W. Giesler dated May 16, 1983
- 6) Letter from C. W. Giesler to D. G. Eisenhut dated July 19, 1983
- 7) Letter from S. A. Varga to C. W. Giesler dated September 16, 1983
- 8) Letter from S. A. Varga to D. C. Hintz dated January 22, 1985 (Interim Approval)
- 9) Letter from S. A. Varga to D. C. Hintz dated January 22, 1985 (Hydrostatic Testing)

NRC Questions 2a, 2b and 2c

- 2.a Relief Request No. RR-1-1, Class 1 circumferential pipe welds, ASME Boiler and Pressure Vessel Code Section XI, 1974 Edition, Summer 1975 Addenda, Table IWB-2600 Code Category B-J, Item B4.5.
- 2.b Relief Request No. RR-1-3, Class 1 longitudinal welds in the reactor coolant system crossover leg 90-degree elbows, ASME Boiler and Pressure Vessel Code Section XI, 1974 Edition, Summer 1975 Addenda, Table IWB-2600 Code Category B-J, Item B4.5.
- 2.c Relief Request No. RR-1-4, Class 1 circumferential pipe welds, ASME Boiler and Pressure Vessel Code Section XI, 1974 Edition, Summer 1975 Addenda, Table IWB-2600 Code Category B-J, Item B4.5.

In each of the above cases, have you considered the use of the MINAC/Shrinkac radiographic examination technology developed by EPRI and tested by its NDE Center? Please indicate whether or not this technique is practical in each of these cases and why.

WPSC Answer

The Kewaunee Plant is currently performing inservice inspection during our spring 1985 refueling outage which is expected to be completed in mid April. We have done a preliminary evaluation of the use of the MINAC/Shrinkac examination method, however, a case by case evaluation to determine practicability of this method has not yet been performed.

As discussed with the NRC reviewer and our NRC Project Manager we intend to review the applicability of the MINAC/Shrinkac examination in a more detailed manner following the completion of our refueling outage. We will update you with our findings by August 1, 1985.

NRC Questions 3a and 3b

- 3.a Relief Request No., RR-2-1 lists "Section XI Requirements Volumetric examination of all welds, each interval per 1980W1981, IWB-2500, Category C-A, Items C1.20 and X1.30."

3.b Relief Request No. RR-2-2 lists "Section XI Requirements Surface examination of all welds, each interval per 1980W1981, IWB-2500, Category C-B, Item C2.10."

In each case, please clarify the reference to Class I "IWB-2500" for Class 2 components.

WPSC Answer

Since these are code class 2 welds, the correct reference should be to "IWC-2500" rather than "IWB-2500". We will correct this typographical error with our next update of the plan.