



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

Enclosure 1

SUPPLEMENTAL SAFETY EVALUATION ON  
REQUEST FOR RELIEF FROM INSERVICE INSPECTION REQUIREMENTS  
WISCONSIN ELECTRIC POWER COMPANY  
POINT BEACH NUCLEAR PLANT UNITS 1 & 2  
DOCKET NOS. 50-266 & 50-301

I. Background Information

By letters dated August 20, 1982 and January 13, 1983, Wisconsin Electric Power Company, the licensee, submitted relief requests for the second 10-year inservice inspection plan for Point Beach Nuclear Plant Units 1 & 2.

The staff issued its evaluation of those requests on March 29, 1984. The evaluation of one of the licensee's requested reliefs for Point Beach Unit 1 was inadvertently omitted from the staff's March 29, 1984 Safety Evaluation (SE). This was brought to our attention in the licensee's July 6, 1984 letter requesting additional relief requests. The purpose of this Supplemental Safety Evaluation is to evaluate that relief omitted from the staff's March 29, 1984 SE.

This report provides an evaluation of the request, supporting information, and alternative examination proposed in lieu of the requirements of the 1977 Edition through Summer 1979 Addenda of Section XI as modified by paragraph (b) of 10 CFR 50.55a. The Inservice Inspection Program and relief granted remain in effect for the facility until December 22, 1990 for Unit 1 unless revised or modified prior to that date.

REQUEST FOR RELIEF RR-1-9: Relief is requested from performing the required surface examination of the safety injection reducer-to-safe end welds RC-4-SI-1001-32 and RC-4-SI-1002-18 (Item No. B9.11, Category B-J).

CODE REQUIREMENT

A surface and volumetric examination of 25% of the circumferential joints each inspection interval (10 years).

BASIS FOR REQUESTING RELIEF

A surface examination is not possible due to the inaccessibility of this area. These welds are located between the vessel and biological shield wall.

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### ALTERNATIVE EXAMINATION

A volumetric examination of each reducer-to-safe end weld will be performed every 10 years when the associated nozzle-to-safe end weld is performed. This examination is performed from the inside diameter of the safe end using mechanized equipment.

### STAFF EVALUATION

The location of the reducer-to-safe end welds makes the required surface examination impractical to perform. Volumetric examination of the welds is performed from the inside surface of the pipes. The staff finds the volumetric examination to be an acceptable method for detecting O.D. initiated flaws and concludes that relief from the surface examination requirement may be granted as requested.

### CONCLUSION

Based on the review summarized, the staff concludes that the relief granted from the examination requirements and the alternate methods imposed through this document give reasonable assurance of the component pressure boundary and support structural integrity, that granting relief where the Code requirements are impractical is authorized by law and will not endanger life or property, or the common defense and security, and is otherwise in the public interest considering the burden that could result if they were imposed on the facility.

The Commission has prepared a "Notice of Environmental Assessment and Finding of No Significant Impact" in connection with this granting of relief from the ASME Code. The notice was published in the Federal Register on September 5, 1984 (49 FR 35061).

Date: September 10, 1984

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