



231 W. Michigan, P.O. Box 2046, Milwaukee, WI 53201-2046

14-000-2045

VPNPD-95-080

10CFR50.4  
10CFR50.90

October 12, 1995

Document Control Desk  
U.S. NUCLEAR REGULATORY COMMISSION  
Mail Station P1-137  
Washington, DC 20555

Ladies/Gentlemen:

DOCKETS 50-266 AND 50-301  
TECHNICAL SPECIFICATION CHANGE REQUEST 171  
HEATUP AND COOLDOWN LIMIT CURVE EXPIRATION DATE EXTENSION  
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION  
POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2

On May 26, 1994, we submitted Technical Specifications Change Request 171, "Heatup and Cooldown Limit Curve Expiration Date Extension," which requested amendments to Facility Operating Licenses DPR-24 and DPR-27 for Point Beach Nuclear Plant (PBNP), Units 1 and 2, respectively. The proposed amendments extended the operation of both units with the current heatup and cooldown limit curves in the Technical Specifications to 23.6 effective full power years (EFPY). On January 5 and April 25, 1995, in accordance with NRC staff's requests, Wisconsin Electric provided additional information regarding this matter. On May 11, 1995, the NRC staff requested additional clarification of our submittal with respect to the neutron cross-section library used in supporting analyses. This letter provides the requested information.

In August 1995, Westinghouse Electric Corporation issued Revision 3 to WCAP-12795, "Reactor Cavity Neutron Measurement Program for Wisconsin Electric Power Company, Point Beach Unit 2." This revision incorporates dosimetry results from fuel cycles 18 through 20, and implemented the latest available nuclear cross-section data derived from ENDF/B-VI. WCAP-12795, Revision 3 is enclosed in support of the requested amendments.

The results of WCAP-12795, Rev. 3 are consistent with the results determined in Revision 2 for the PBNP Unit 2 limiting materials. For the beltline circumferential weld (SA-1484) at 32.0 EFPY, the inside surface fluence determined in Revision 3 is  $2.49E+19$  n/cm<sup>2</sup> (E > 1.0 MeV). This is approximately 1% less than the fluence value determined in Revision 2. Based on our reviews, the SA-1484

9510190022 951012  
PDR ADOCK 05000266  
P PDR

A subsidiary of Wisconsin Energy Corporation

ADD

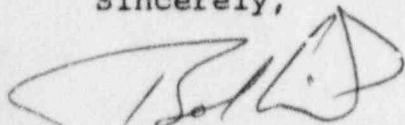
Document Control Desk  
October 12, 1995  
Page 2

weld remains limiting for the evaluation of the PBNP Unit 2 heatup and cooldown curves. Therefore, the heatup and cooldown limit curve expiration date in the proposed Technical Specification remains valid for PBNP Unit 2.

During the 1995 PBNP Unit 1 refueling outage, neutron dosimetry was removed for fuel cycles 20 through 22. This dosimetry is currently being evaluated by Westinghouse using the latest ENDF/B-VI cross-sections. We expect results to be available in early 1996. Based on the close agreement between WCAP-12795, Revision 3 with previous analyses, we expect the updated Unit 1 analysis to be in close agreement with previous results. However, if the results change the projected effective period of the heatup/cooldown limit curves for PBNP Unit 1, Wisconsin Electric will request the appropriate amendment.

Please contact us should you have any further questions.

Sincerely,



Bob Link  
Vice President  
Nuclear Power

JRP/jg

Enclosure

cc: NRC Regional Administrator  
NRC Resident Inspector  
Public Service Commission of Wisconsin