



**Wisconsin Electric** POWER COMPANY  
231 W. MICHIGAN, P.O. BOX 2046, MILWAUKEE, WI 53201

April 27, 1982

CERTIFIED MAIL

Mr. H. R. Denton, Director  
Office of Nuclear Reactor Regulation  
U. S. NUCLEAR REGULATORY COMMISSION  
Washington, D. C. 20555

Dear Mr. Denton:

DOCKET NOS. 50-266 AND 50-301  
TECHNICAL SPECIFICATION CHANGE REQUEST NO. 77  
LOSS OF VOLTAGE PROTECTIVE RELAY  
POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2

Wisconsin Electric Power Company (Licensee) hereby applies for amendments to Facility Operating Licenses DPR-24 and DPR-27 for the Point Beach Nuclear Plant, Units 1 and 2. The purpose of these amendments is to incorporate changes into the Point Beach Nuclear Plant Technical Specifications. These changes, which are discussed further below, revise the time delay settings on the loss of voltage protective relays as specified in Item 10 of Table 15.3.5-1 of the specifications.

On March 31, 1981, the Nuclear Regulatory Commission issued License Amendment Nos. 47 and 52 for the Point Beach Nuclear Plant, Units 1 and 2, respectively. These amendments included new specifications on the voltage settings and time delay settings for the 4.16 KV and 480 V loss of voltage protective relays. On April 9, 1982, Licensee discovered during the calibration check of these relays under this specification that the time delay setting of zero volts for the 4.16 KV loss of voltage relays could not be set within the +5% of 0.3 second delay specified in Item 10.a of Table 15.3.5-1. The apparent cause of this was a misinterpretation of the characteristic curves during Technical Specification drafting. Accordingly, Licensee is requesting these license amendments to revise specifications in Table 15.3.5-1, Items 10.a and 10.b, under setting limits as follows:

A001  
1/1  
w/check:  
\$4400.00

a. 2450 V +3%

Time delay:  $\leq 0.4$  seconds +10% at 0 volts  
 $\leq 1.2$  seconds +20% at 90% of voltage setting

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b. 256 V +3%

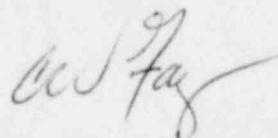
Time delay: ≤0.75 seconds +10% at 0 volts  
≤3.5 seconds +20% at 90% of voltage setting

The above changes include an increase from 0.3 to 0.4 on the 4160 relays. This change represents the actual limit in accordance with the original design as described by the characteristic curve specification. The less than or equal to signs are added for clarification and do not change the intent of the specification. The tolerance changes from +5% to +10% and +10% to +20% on the time delay settings were made to more accurately reflect the setpoint variation of the relays in relation to the time characteristic of the device. This will not change the intent of the specification nor affect the ability for the system to respond to the required parameters of the safety analysis. All other specifications have been verified as correct and have not been changed.

In accordance with the requirement of 10 CFR Part 170.22, Licensee has determined that this amendment application for Unit 1 requires a Class III amendment approval fee. A duplicate amendment approval for Point Beach Unit 2 requires a Class I approval fee. Accordingly, we have enclosed herewith a check payable to the U. S. Nuclear Regulatory Commission in the amount of \$4,400 for these approval fees.

As specified in the Commission's regulations, enclosed herewith are three signed originals and, under separate cover, 40 copies of this change request. Your prompt action of this request will be appreciated. Please contact me if you have any questions regarding this application.

Very truly yours,



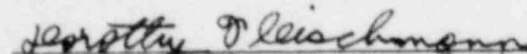
Assistant Vice President

C. W. Fay

Enclosures (Check No. 670542)

Copy to NRC Resident Inspector

Subscribed and sworn to before me  
this 27th day of April 1982.

  
Notary Public, State of Wisconsin

My Commission expires July 1, 1984.