



**Wisconsin Electric** POWER COMPANY  
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November 15, 1984

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

Attention: Mr. J. R. Miller, Chief  
Operating Reactors, Branch 3

Gentlemen:

DOCKET NOS. 50-266 AND 50-301  
ADDITIONAL INFORMATION CONCERNING  
TECHNICAL SPECIFICATION CHANGE REQUEST NO. 102  
OVERPOWER AND OVERTEMPERATURE  $\Delta T$  LAG COMPENSATION  
POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2

Our letter dated November 9, 1984 requested license amendments for Point Beach Nuclear Plant, Units 1 and 2, to incorporate additions to the Technical Specifications which specify the time constants utilized in the measured  $\Delta T$  and average temperature lag compensations which are part of the instrumentation for the overtemperature and overpower  $\Delta T$  sensing circuitry. A correction to Technical Specification page 15.2.3-3 was sent with our letter dated November 14, 1984.

Based on a phone conversation between the NRC, Westinghouse, and our Nuclear Power Department on November 15, 1984, the following clarification to our November 9 amendments request is provided.

Analytically and electrically there is no difference between use of a Sostman RTD with no filter and a Rosemont RTD with a two-second filter. Based on the manufacturer's test data, as relayed to us by Westinghouse, the Sostman RTD has a response time of 2.0 to 2.5 seconds. Therefore, the time constants,  $\tau_3$  and  $\tau_4$ , for the Sostman RTD's are set equal to zero to provide an overall lag of 2.0 to 2.5 seconds. Similarly, the Rosemont RTD has a response time of 0.5 seconds. Therefore, the time constants,  $\tau_3$  and  $\tau_4$ , for the Rosemont RTD's are set equal to 2.0 seconds to give an overall lag of no greater than 2.5 seconds. Documentation of the manufacturer's test results will be provided to you within thirty days as requested.

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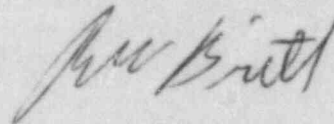
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November 15, 1984

The accident analyses which incorporate the overpower  $\Delta T$  and overtemperature  $\Delta T$  functions have a sufficient margin of conservatism to accommodate degradation of the Rosemont RTD response time to twice its typical value of 0.5 seconds. However, as requested by the NRC staff, during the upcoming fuel cycle we will develop a method to conduct noise signature testing of the RTD's as a means of monitoring RTD response time degradation. The testing will be conducted on a refueling cycle periodicity.

If you have any further questions, please contact us immediately.

Very truly yours,

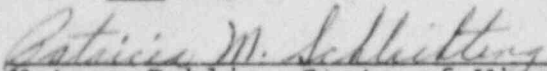


President

R. W. Britt

Copies to NRC Resident Inspector  
R. S. Cullen, PSCW

Subscribed and sworn to before me  
this 15th day of November 1984.

  
Notary Public, State of Wisconsin

My Commission expires May 4, 1986.

