Wisconsin Electric POWER COMPANY
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January 17, 1980

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

Attention: Mr. A. Schwencer, Chief
Operating Reactors Branch 1

Gentlemen:

DOCKET NOS. 50-266 AND 50-301
ADDITIONAL INFORMATION
DEGRADED AUXILIARY BUS VOLTAGE
POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2

In response to the NRC's request for additional information dated July 3, 1979, we provided a modification to our Technical Specification Change Request No. 45 by letter dated August 24, 1979. This information included a discussion of voltage monitors on the plant auxiliary buses. In December, Mr. Trammell of your Staff called to discuss the topic of voltage monitors further. During this discussion, Mr. Trammell requested that we provide information on the safeguards motor voltage ratings and the results of our tests to determine minimum pickup and maximum dropout voltages for the safeguards motor starters.

The safeguards motors are rated to start and accelerate their loads with 80% voltage. They are rated to run continuously at 90% to 110% voltage. However, since the motors have a service factor of 1.15 and are not loaded beyond 1.0, they can carry their normal loads at 80% voltage without overheating.

The 480 volt motor starter pickup and dropout tests demonstrated that the size 1 and 1R contactors would pick up at 87 volts (72.5% of nominal) and would drop out at 62 volts (51.7% of nominal). The size 2 and 4 contactors picked up at 85 volts (70.8% of nominal) and dropped out at 60 and 63 volts respectively (50% and 52.5% of nominal). There are no size 3 safeguards motor starters.

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We trust this information satisfies the questions expressed in your call. Please advise us if you require any further information.

Very truly yours,

C. W. Fay

C. W. Fay, Director
Nuclear Power Department