



**Consumers
Power
Company**

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Director,
Nuclear Reactor Regulation
US Nuclear Regulatory Commission
Washington, DC 20555

DOCKET 50-255 - LICENSE DPR-20 - PALISADES PLANT -
FIRE PROTECTION - ADDITIONAL INFORMATION ON ISOLATION
SWITCH INSTALLATION IN CONTROL CIRCUITS OF ESSENTIAL
SAFE SHUTDOWN EQUIPMENT

On October 29, 1985, Consumers Power Company submitted a request for approval to install isolation switches in the control circuits of essential safe shutdown equipment as defined by 10CFR50.48 and Appendix R. In a telephone conversation on November 26, 1985, three questions were asked by the NRC staff. Responses to those three questions were submitted to the staff on December 3, 1985. Additional information was requested by the staff during a telephone conversation on December 11, 1985. The NRC requests and our responses are given below.

Question 1

The May 26, 1983 NRC Safety Evaluation Report (SER) (on Page 5) states that the licensee will modify the electrical system to assure the availability of 125VDC operating and control power and 2400V Class 1E power in the event of a fire in switchgear room 1C. What modifications have been installed?

Response

The modifications are described in Sections III.D and III.E of Attachment II to the March 19, 1981 Consumers Power submittal entitled PALISADES PLANT - FIRE PROTECTION AND MODIFICATIONS. The described modifications are complete.

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Director
Palisades Plant -
Fire Protection
December 20, 1985

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Question 2

To comply with Section III.L.4 of 10CFR50, Appendix R, the breaker between the 1C 2400VAC bus and offsite power must be operational. Why wasn't the installation of an isolation switch in the control circuit of this breaker (52-106) included as one of the isolation switches being installed?

Response

The breaker between the 1C bus and offsite power (breaker 52-106) is of the stored energy type and can be manually operated even in the event that a fire-induced signal causes this breaker to open or close. Procedures will be revised to include guidance for the operator to perform this action. It is estimated this action would not take longer than ten minutes. We will investigate the advantages of installing an isolation switch in the control circuit of breaker 52-106. If the result of that investigation indicates that installing an isolation switch is desirable, we will tentatively schedule it for the next refueling outage.

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