



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

December 23, 1985

Docket No.: 50-409

Mr. James W. Taylor
General Manager
Dairyland Power Cooperative
2615 East Avenue South
La Crosse, Wisconsin 54601

Dear Mr. Taylor:

SUBJECT: LACROSSE BOILING WATER REACTOR (LACBWR) - NUREG-0827
SECTION 4.26.3 ISOLATION BETWEEN REACTOR PROTECTION
SYSTEM CHANNELS AND POWER SUPPLIES

In a letter dated September 29, 1983, Dairyland Power Cooperative (DPC) committed to several modifications to the reactor protection system including installation of isolation devices and separation of power supplies. A DPC letter of January 3, 1985 noted that all except one of these items would be completed during the 1985 refueling outage and requested deferral of the remaining change (separation of power supplies for the two power to flow channels) until the following outage (1986 refueling). The reason for the deferral was to avoid overloading the static inverter which was to be replaced with a larger one during the 1986 outage. This deferral was accepted by the staff by letter dated May 16, 1985.

Subsequently, by letter dated November 14, 1985, DPC requested that the remaining modification be deferred until the 1987 refueling outage. This letter noted that DPC is replacing the nuclear instrumentation system at LACBWR. Based on the equipment delivery date, the nuclear instrumentation will not be available to install during the 1986 outage. As part of this replacement, the power-to-flow circuitry will need to be modified. Thus, if the power supply modification were done during the 1986 outage, significant rework on the instrumentation circuitry would then be needed during the following outage. Deferral would permit a coordinated and simplified modification process. At present, the two channels of power-to-flow logic are supplied from the same power supply in a one-out-of-two logic. Loss of ac power to a channel will result in tripping, that is, accomplishing its required function.

Considering the modifications already made to the reactor protection system, the low likelihood of a fault in the common power supply preventing fulfillment

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of the safety function and the benefits of an integrated design modification, the staff considers that the proposed completion schedule for this item is acceptable.

Original signed by: J. Zwolinski

John A. Zwolinski, Director
BWR Project Directorate #1
Division of BWR Licensing

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Mr. James W. Taylor
Dairyland Power Cooperative

La Crosse Boiling Water Reactor

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