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

June 27, 1980

Docket No. 50-409

Mr. Frank Linder
General Manager
Dairyland Power Cooperative
2615 East Avenue South
LaCrosse, Wisconsin 54601

Dear Mr. Linder:

We are continuing our review of the adequacy of station electric distribution system voltages for the LaCrosse Boiling Water Reactor and have found that the information described in the enclosure to this letter is required. Your response is requested within 45 days of your receipt of this letter.

Sincerely,

Dennis M. Crutchfield

Dennis M. Crutchfield, Chief
Operating Reactors Branch #5
Division of Licensing

Enclosure:
Request for Additional
Information

cc w/enclosure:
See page 2

cc w/enclosure:
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La Crosse
Docket No. 50-409
Request for Additional Information on
Adequacy of Station Electric Distribution System Voltages

References:

a. NRC generic letter to all Power Reactor Licensees, "Adequacy of Station Electric Distribution Systems Voltages," dated August 8, 1979.

b. DPC letter, Frank Linder to U.S. NRC, William Gammill, "Adequacy of Station Electric Distribution System Voltage for the La Crosse Boiling Water Reactor," LAC-6822, March 13, 1980.

c. DPC letter, Frank Linder to U.S. NRC, William Gammill, "Adequacy of Station Electric Distribution System Voltage for the La Crosse Boiling Water Reactor," LAC-6912, May 12, 1980.

d. Report, Sargent & Lundy, "LACBWR Generating Unit, Adequacy of Station Electrical Distribution Systems Voltages," enclosure to c.

Questions:

1. Page 2, paragraph 3[a] requires that "the adequacy of the onsite distribution of power from the offsite circuits shall be verified by test to assure that analysis results are valid." Reference d did not verify the adequacy of the analysis for the class 1E buses in attachment 8. This should be done as this review is to determine the adequacy of the voltage of the equipment on these buses.

2. Supply the calculated voltages for all low-voltage AC (less than 480 V) class 1E buses (including the alternate source for the static inverter) for each analyzed case. Do these systems supply any instruments or control circuits as required by GDC 13? If so, is all the equipment capable of sustaining the analyzed voltages without blowing fuses, overheating, etc., and without affecting the equipment's ability to perform the required function?

3. There are no identified technical specifications restricting the use of the following bus interties: 480 V bus 1A to bus 1B; 480 V ESS bus 1A to bus 1B. Per NRC guideline 1[a], the use of these bus interties must be analyzed for the worst possible loading condition.

4. Sargent & Lundy[d] recommended that the tap for the Reserve Auxiliary transformer be changed from the 72450 V setting to the 70725 V tap, and provided analysis that shows (with above exceptions) that use of this lower tap is satifactory (while original tap is not). DPC, in references b or c, did not commit to making this tap change. DPC should either make this tap change or justify why it isn't changed.