NRC PDR



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

December 8, 1978

Docket No. 50-409

Mr. John P. Madgett General Manager Dairyland Power Cooperative 2615 East Avenue, South La Crosse, Wisconsin 54601

Dear Mr. Madgett:

We have completed our search of the dockets for the SEP Plants for information relative to Topic VIII-4, "Electrical Penetrations of Reactor Containments." The results of this effort has revealed the need for additional information to complete our evaluation of this topic.

Please provide the information identified in the enclosure within ninety (90) days.

Sincerely,

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Dennis L. Ziemann, Chief Operating Reactors Branch #2 Division of Operating Reactors

Enclosure: Request for Additional Information

cc: See next page

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Dairyland Power Cooperative

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CC

Fritz Schubert, Esquire Staff Attorney Dairyland Power Cooperative 2615 East Avenue, South La Crosse, Wisconsin 54601

O. S. Heistand, Jr., Esquire Morgan, Lewis & Bockius 1800 M Street, N. W. Washington, D. C. 20036

Mr. R. E. Shimshak La Crosse Boiling Water Reactor Dairyland Power Cooperative P. O. Box 135 Genoa, Wisconsin 54632

La Crosse Public Library 800 Main Street La Crosse, Wisconsin 54601

Coulee Region Energy Coalition ATTN: George R. Nygaard P. O. Box 1583 La Crosse, Wisconsin 54601

ENCLOSURE

REQUEST FOR INFORMATION FROM SEP LICENSEES

Topic VIII-4 - Electrical Penetrations of Reactor Containment

A. Circuit Information

- 1. Identify each typical circuit which has been selected.
- Provide the trip curves (current versus time) for the primary and the secondary protection devices.
- 3. State the maximum short circuit current available to the selected penetration circuit (the short-circuit current for AC circuits should be expressed in rms symmetrical amperes with the symmetrical current being initially offset by a DC component. The short circuit current for direct current circuits should be based on the current having a constant DC value).
- State the size of the conductor(s) for the selected circuit (that is, conductor size external to the electrical penetration).

B. Electric Penetration Information

- State the manufacturer's electrical penetration identification number and provide the size of the conductor(s) in the penetration. Also provide the rated continuous current for each conductor.
- State the rated short-circuit overload current and the duration of this current.
- Provide a description of all electrical tests for these penetrations and state the results of these tests.

References:

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- Regulatory Guide 1.63, Revision 2, "Electrical Penetrations in Containment Structures for Water Cooled Nuclear Water Plants."
- IEEE Standard 317-1976 "IEEE Standard for Electrical Penetration Assemblies in Containment Structures for Nuclear Power Generating Stations."

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