



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

OCT 29 1980

Docket No.: 50-409

Docket file
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DISTRICTION SERVICES
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RECEIVED DISTRICTION
SERVICES UNIT

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

Dear Mr. Linder:

RE: SEP TOPIC III-12, ENVIRONMENTAL QUALIFICATION OF ELECTRICAL
EQUIPMENT - LACROSSE BOILING WATER REACTOR

- References:
1. Guidelines for evaluating environmental qualification of Class IE electrical equipment in operating reactors - Enclosure 1 to NRC Letter to Licensees, dated February 15, 1980.
 2. DPC Letter, Linder to Ziemann, dated May 8, 1980.
 3. "Description of post accident safeguards provisions for the LaCrosse Boiling Water Reactor," ACNP-66564, September 1966, Section 5.

In our letter dated March 6, 1980, we requested that you show conformance to the qualification guidelines of Reference 1. Part of that effort for plants without automatic containment spray systems, such as LaCrosse, was to provide the results of a plant specific MSLB analysis. Acceptable analytical methods for performing this analysis were also provided. These methods reflect the current state of understanding of the thermodynamic process associated with this type of accident. Your response (Reference 2) to this request was to reference a previously submitted MSLB analysis (Reference 3). We have reviewed your earlier MSLB analysis and determined that the methods used are not satisfactory or consistent with our February 15, 1980 letter. We have determined that the containment temperature profile for some break sizes could be significantly higher than your analysis (i.e., small breaks which result in super-heated blowdown). Based on this discrepancy we cannot conclude that your submittal meets the intent of the qualification guidelines. Your May 8, 1980 submittal is unsatisfactory and should be revised to incorporate a plant specific MSLB analysis. A commitment for a revised MSLB analysis and a schedule for submittal should be made within thirty days from the receipt of this letter.

Sincerely,

Dennis M. Crutchfield
Dennis M. Crutchfield, Chief
Operating Reactors Branch No. 5
Division of Licensing

cc: See next page

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Mr. Frank Linder

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