



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

March 2, 1982

DISTRIBUTION

Docket No. 50-409
LS05-82-03-009

- Docket
- NRC PDR
- Local PDR
- ORB Reading
- NSIC
- DCrutchfield
- HSmith
- DDudley
- OELD
- Oi&E
- ACRS (10)
- SEP8
- ZRosztoczy

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



Dear Mr. Linder:

SUBJECT: TMI ACTION PLAN - ENVIRONMENTAL QUALIFICATION OF SAFETY-RELATED ELECTRICAL EQUIPMENT REQUEST FOR ADDITIONAL INFORMATION

RE: LA CROSSE BOILING WATER REACTOR

We have completed a preliminary review of your response to our Safety Evaluation concerning the Environmental Qualification (EQ) of Safety-Related Electrical Equipment. Our contractor (Franklin Research Center) has identified further information (described in the enclosure) which we need in order to complete our review. We request that you supply this information to us within 30 days of the date of this letter. Please send a full submittal to Mr. Cyril J. Crane, Franklin Research Center, The Parkway at Twentieth Street, Philadelphia, Pennsylvania 19103, and a copy of the cover letter to us. Address the letter to the Operating Reactors Branch. Please contact your Project Manager for further assistance in this regard.

The reporting requirements contained in this letter affect fewer than ten respondents; therefore OMB clearance is not required under P.L.96-511.

Sincerely,

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

5E01
1/1
DSM WSE(38)

Enclosure:
Request for Additional
Information

cc w/enclosure:
See next page

OFFICE	DL: ORB #5	DL: ORB #5					
SURNAME	DDudley:cc	DCrutchfield					
	2/2/82	2/2/82					

8203080044 820302
PDR ADOCK 05000409
PDR

OFFICIAL RECORD COPY

Mr. Frank Linder

- 2 -

March 2, 1982

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

Ms. Anne K. Morse
Coulee Region Energy Coalition
P. O. Box 1583
La Crosse, Wisconsin 54601

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

U. S. Nuclear Regulatory Commission
Resident Inspectors Office
Rural Route #1, Box 276
Genoa, Wisconsin 54632

Town Chairman
Town of Genoa
Route 1
Genoa, Wisconsin 54632

Chairman, Public Service Commission
of Wisconsin
Hill Farms State Office Building
Madison, Wisconsin 53702

Alan S. Rosenthal, Esq., Chairman
Atomic Safety and Licensing Appeal Board
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Mr. Frederick Milton Olsen, III
609 North 11th Street
LaCrosse, Wisconsin 54601

U. S. Environmental Protection
Agency
Federal Activities Branch
Region V Office
ATTN: Regional Radiation Representative
230 South Dearborn Street
Chicago, Illinois 60604

Mr. John H. Buck
Atomic Safety and Licensing Appeal Board
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dr. Lawrence R. Quarles
Kendal at Longwood, Apt. 51
Kenneth Square, Pennsylvania 19348

Charles Bechhoefer, Esq., Chairman
Atomic Safety and Licensing Appeal Board
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dr. George C. Anderson
Department of Oceanography
University of Washington
Seattle, Washington 98195

Mr. Ralph S. Decker
Route 4, Box 190D
Cambridge, Maryland 21613

Thomas S. Moore
Atomic Safety and Licensing Appeal Board
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Mr. George R. Nygaard
Coulee Region Energy Coalition
2307 East Avenue
LaCrosse, Wisconsin 54601

James G. Keppler, Regional Administrator
Nuclear Regulatory Commission, Region III
Office of Inspection & Enforcement
799 Roosevelt Road
Glen Ellyn, Illinois 60137

REQUEST FOR ADDITIONAL INFORMATION

LA CROSSE BOILING WATER REACTOR

DOCKET NO. 50-409

The licensee stated that "Due to the small fission product inventory (168 Mwt) to containment volume ratio, the radiation values seen in the LACBWR plant are less than the screening values established by the NRC." The staff acknowledges that there is a very strong likelihood that the actual calculated radiation values are less than the NRC screening values. However, the licensee has not provided information concerning what the actual radiation qualification envelope would be. A simple comparison with the nomogram of the DOR guidelines would be particularly helpful. The licensee also did not address the effects of other radiation sources such as normal operating exposures or exposures to sump water on the equipment qualification envelope. The staff is unable to approve the licensee's methodology until the deficiencies described above have been satisfactorily resolved.