

TERA

Docket No. 50-409

SEPTEMBER 18 1980

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

Dear Mr. Linder:

By letter dated July 27, 1979, the Commission issued Amendment No. 17 to Provisional Operating License No. DPR-45 for the LaCrosse Boiling Water Reactor. This amendment added a license condition relating to the completion of facility modifications to improve the fire protection programs. Our enclosed Safety Evaluation Report for Amendment No. 17 listed the Safe Shutdown Analysis as incomplete. By letter dated September 14, 1979 we provided to you our position entitled "Safe Shutdown Capability" and noted that Section 8 of that document specifies the information we require for our review of fire protection capability. By letter dated January 17, 1980 you submitted your analysis of safe shutdown capability.

The staff has utilized the Brookhaven National Laboratory (BNL) to review your Safe Shutdown Report (1/17/80). Based on that review, we have concluded that the fire protection features you have identified are not sufficient to assure safe shutdown capability. The BNL report is enclosed for your information. To resolve the fire protection concerns for safe shutdown at your facility, we would find acceptable the installation of an alternate shutdown system that will meet the requirements of Section III, paragraph L of proposed Appendix R to 10 CFR Part 50. Please be aware that other aspects of the Systematic Evaluation Program (SEP) currently in progress may require installation of a dedicated safe shutdown system which could be designed to simultaneously satisfy the requirements for the alternate safe shutdown systems required for fire protection.

On May 29, 1980, the Commission published a proposed change to 10 CFR Part 50 which would add certain requirements for fire protection. The proposed change would require that plants included in the SEP have

completed implementation of alternate shutdown capability by December 1, 1981, or dedicated shutdown capability by October 1, 1982. The proposed change would also require that the licensee submit plans and schedules for that implementation by November 1, 1980. In addition, in the supplementary information published with the proposed rule the Commission stated "...the Commission anticipates approving few, if any, extensions." They also state "the Commission may revise the implementation deadlines for SEP plants to earlier dates following completion by the NRC staff of its review of the status of fire protection at those plants." Although there is no effective rule in place at the present time, we believe it is prudent to anticipate a short deadline and, therefore, request that you provide your proposed plans and schedules for the alternate shutdown capability by November 1, 1980.

Sincerely,

Original signed by
Darrell G. Eisenhut

Darrell G. Eisenhut, Director
Division of Licensing

Enclosure:
As stated

cc w/enclosure:
See page 3

DISTRIBUTION:

Docket	OELD
NRC PDR	OI&E (3)
Local PDR	Twambach
TERA	JShea
NSIC	HSmith
NRR Reading	DCrutchfield
ORB #5 Reading	ACRS (16)
HDenton	RFerguson (5)
ECase	JHeltemes, AEOD
DEisenhut	Gray File
RPurple	Xtra Cy (6)
TNovak	
RTedesco	
JRoe	
GLainas	

OFFICE	ORB#5:DL HSmith:dn	ORB#5:DL Twambach	C-ORB#5:DL DCrutchfield	AD-SA:DL GLainas	D:DL DE:DL
SURNAME	HSmith:dn	Twambach	DCrutchfield	GLainas	DE:DL
DATE	9/5/80	9/5/80	9/5/80	9/5/80	9/18/80



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

September 18, 1980

Docket No. 50-409

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

Dear Mr. Linder:

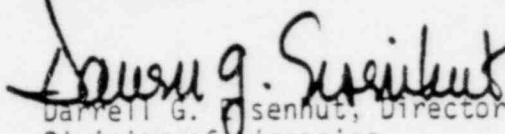
By letter dated July 27, 1979, the Commission issued Amendment No. 17 to Provisional Operating License No. DPR-45 for the LaCrosse Boiling Water Reactor. This amendment added a license condition relating to the completion of facility modifications to improve the fire protection programs. Our enclosed Safety Evaluation Report for Amendment No. 17 listed the Safe Shutdown Analysis as incomplete. By letter dated September 14, 1979 we provided to you our position entitled "Safe Shutdown Capability" and noted that Section 8 of that document specifies the information we require for our review of fire protection capability. By letter dated January 17, 1980 you submitted your analysis of safe shutdown capability.

The staff has utilized the Brookhaven National Laboratory (BNL) to review your Safe Shutdown Report (1/17/80). Based on that review, we have concluded that the fire protection features you have identified are not sufficient to assure safe shutdown capability. The BNL report is enclosed for your information. To resolve the fire protection concerns for safe shutdown at your facility, we would find acceptable the installation of an alternate shutdown system that will meet the requirements of Section III, paragraph L of proposed Appendix R to 10 CFR Part 50. Please be aware that other aspects of the Systematic Evaluation Program (SEP) currently in progress may require installation of a dedicated safe shutdown system which could be designed to simultaneously satisfy the requirements for the alternate safe shutdown systems required for fire protection.

On May 29, 1980, the Commission published a proposed change to 10 CFR Part 50 which would add certain requirements for fire protection. The proposed change would require that plants included in the SEP have

completed implementation of alternate shutdown capability by December 1, 1981, or dedicated shutdown capability by October 1, 1982. The proposed change would also require that the licensee submit plans and schedules for that implementation by November 1, 1980. In addition, in the supplementary information published with the proposed rule the Commission stated "...the Commission anticipates approving few, if any, extensions." They also state "the Commission may revise the implementation deadlines for SEP plants to earlier dates following completion by the NRC staff or its review of the status of fire protection at those plants." Although there is no effective rule in place at the present time, we believe it is prudent to anticipate a short deadline and, therefore, request that you provide your proposed plans and schedules for the alternate shutdown capability by November 1, 1980.

Sincerely,


Darrell G. Sennut, Director
Division of Licensing

Enclosure:
As stated

cc w/enclosure:
See page 3

cc w/enclosure:

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

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

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

Mrs. Ellen Sabelko
Society Against Nuclear Energy
929 Cameron Trail
Eau Claire, Wisconsin 54701

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

Director, Technical Assessment
Division
Office of Radiation Programs
(AW-459)
U. S. Environmental Protection
Agency
Crystal Mall #2
Arlington, Virginia 20460

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

Charles Bechhoefer, Esq., Chairman
Atomic Safety and Licensing 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

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

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

Ms. Anne K. Morse
Coulee Region Energy Coalition
Post Office Box 1583
LaCrosse, Wisconsin 54601

U. S. Nuclear Regulatory Commission
Resident Inspectors Office
Rural Route #1, Box 225
Genoa, Wisconsin 54632

BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.

Upton, New York 11973

(516) 345-2144

Department of Nuclear Energy

July 2, 1980

POOR ORIGINAL

Mr. Robert L. Ferguson
Chemical Engineering
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

RE: Safe Shutdown Analysis, La Crosse Nuclear Power Plant

Dear Bob:

Mr. Ed MacDougall of Brookhaven National Laboratory (BNL) and Jack Klevan of Rolf Jensen and Associates, Inc. have completed the mini-review of the La Crosse Nuclear Power Plant. This mini-review consisted of a review of the documentation submitted by the licensee (ref. a) to see if it was complete and in enough detail for BNL to evaluate the safe shutdown analysis. The original fire hazard analysis (ref. e) was used when necessary.

- A review of the documentation was made for completeness.
- A comparison of the material submitted by the licensee to the requirements of the SER (ref. b) was conducted. This comparison was made solely for completeness and was not a detailed compliance check.
- A review of the material submitted for gross and obvious variations from the requirements of Appendix A (ref. d) and Appendix R (ref. c) was also conducted.

We have listed our comments under the following headings in this report:

1. Adequacy of Documentation
2. Comparison of the Licensee's Submittal to the S.E.R.
3. Comparison of the Licensee's Submittal to Appendices A and R.
4. Engineering Evaluation
5. Conclusions
6. References

DUPLICATE DOCUMENT

Entire document previously
entered into system under:

ANO 8007150688

No. of pages: 7

if the licensee has supplied adequate
findings is shown in Table 1. Our com-