

APR 11 1983

Docket Nos.: STN 50-454, STN 50-455  
and STN 50-456, STN 50-457

Mr. Dennis L. Farrar  
Director of Nuclear Licensing  
Commonwealth Edison Company  
Post Office Box 767  
Chicago, Illinois 60690

DIST:  
Document Control (STN 50-454/455/456/457)  
NRC PDR  
L PDR  
PRC System  
NSIC  
LB#1 Rdg. (2)  
MRushbrook (2)  
JStevens  
LOlshan  
DEisenhut/RPurple  
Attorney, OELD  
ELJordan, DEQA:IE  
JMTaylor, DPR:IE  
ACRS (10)  
OParr  
JWermiel

Dear Mr. Farrar:

Subject: Positions Regarding Remaining Open Items Concerning Appendix R  
Criteria for Post-Fire Safe Shutdown - Byron/Braidwood Stations,  
Units 1 and 2

On March 23, 1983, the Auxiliary Systems Branch participated in a conference call with Commonwealth Edison Company to discuss the remaining open items concerning the post-fire safe shutdown capability (Appendix R, Sections III.G and III.L) for Byron/Braidwood. With the exception of two specific concerns, the applicant provided satisfactory verbal responses and committed to document those responses in the near future.

The two remaining concerns involve 1) the staff position regarding the need for source range neutron flux monitoring following a fire, and 2) the fire protection afforded redundant trains of safe shutdown instrumentation within the auxiliary electrical equipment room. As requested by the applicant, enclosed is a copy of the staff position regarding source range neutron flux monitoring. The enclosure consists of a staff memorandum dated March 18, 1983, which has been endorsed by the Director of the Division of Systems Integration. It should be noted that we require a source range neutron flux monitor be available independent of those areas identified by the applicant where the existing instrument would be lost due to a fire. Any new instrumentation need not be safety-related (Class 1E).

Also, as requested by the applicant, the Auxiliary System Branch consulted with the Chemical Engineering Branch concerning the applicant's position regarding the fire protection for the auxiliary electrical equipment room which contains redundant divisions of many safe shutdown instruments. The Auxiliary Systems Branch was informed by the Chemical Engineering Branch that a position on this issue will be provided in the future during the course of their full Appendix R review for Byron/Braidwood.

8305040062 830411  
PDR ADDCK 05000454  
F PDR

OFFICE ▶	.....	.....	.....	.....	.....	.....
SURNAME ▶	.....	.....	.....	.....	.....	.....
DATE ▶	.....	.....	.....	.....	.....	.....

Mr. Dennis L. Farrar

- 2 -

APR 11 1983

We request that you expedite your response to the enclosure so that we may complete our review of the Appendix R safe shutdown capability for Byron/Braidwood. For further information or clarification, please contact the Braidwood Project Manager, Janice A. Stevens, (301)492-7144.

Sincerely,

Original signed by:

B. J. Youngblood

B. J. Youngblood, Chief  
Licensing Branch No. 1  
Division of Licensing

Enclosure:  
As stated

cc w/encl.: See next page

OFFICE	DL:LB#1	DL:LB#1					
SURNAME	JStevens/lq	BJYoungblood					
DATE	04/08/83	04/8/83					

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SURNAME	JStevens/lq	BJ Youngblood					
DATE	04/08/83	04/8/83					

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