



**Commonwealth Edison**

One First National Plaza, Chicago, Illinois  
Address Reply to: Post Office Box 767  
Chicago, Illinois 60690

February 23, 1983

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Subject: Byron Station Units 1 and 2  
Braidwood Station Units 1 and 2  
FSAR Amendment 41  
NRC Docket Nos. 50-454, 50-455,  
50-456 and 50-457

Dear Mr. Denton:

The application for construction permits and operating licenses for Byron Station Units 1 and 2 and Braidwood Station Units 1 and 2, docketed September 20, 1973, are hereby amended by submittal of Amendment 41 pursuant to 10 CFR 50.34.

Amendment No. 41 to the Byron/Braidwood FSAR consists of new responses to questions from the Auxiliary Systems Branch (010.0 series) and the Equipment Qualification Branch (271.0 series). Also included are revised responses to Questions 010.39, 010.44, 010.47, 010.57, 022.30, 022.54, 040.131, 040.172, 121.3, 212.3, 281.7, 321.42, 331.15, and 331.24 and voluntary text changes.

Attachment A to this letter lists the questions answered in this amendment. Attachment B lists the questions that will be answered in future amendments.

Three signed originals and fifty-seven copies of this amendment are submitted for your use.

Please direct questions to this office.

Very truly yours,

T. R. Tramm  
Nuclear Licensing Administrator

1m

SUBSCRIBED and SWORN to  
before me this 23rd day  
of February, 1982

Notary Public

Boo!  
3  
1/40

6038N

8302280204 830223  
PDR ADOCK 05000454  
K PDR

Attachment A

List of Questions Answered  
in Byron/Braidwood FSAR  
Amendment 41

I. Auxiliary Systems Branch (Series 010.55 - 010.59)

The following questions have been responded to in this amendment:

010.57 parts c, d, and e  
010.58

II. Equipment Qualification Branch (Series 271.1 - 271.3)

The following questions have been responded to in this amendment:

271.2  
271.3

Attachment B

List of Round One and Round  
Two Questions Not Answered In  
Byron/Braidwood FSAR Amendment  
No. 41

I. Auxiliary Systems Branch (Series 010.0)

The following 3 questions will be answered in future FSAR amendments:

010.60 through 010.62 (Braidwood)

II. Materials Engineering Branch (Series 121.0)

The following 3 questions will be answered in future FSAR amendments:

121.5 through 121.7

III. Structural Engineering Branch (Series 130.0)

The following 3 questions will be answered in future FSAR amendments:

130.55 through 130.57 (Braidwood)

IV. Reactor Systems Branch (Series 212.0)

The following 2 questions will be answered in future FSAR amendments:

212.112  
212.157

V. Hydrologic and Geotechnical Engineering Branch (Series 241.0)

The following 9 questions will be answered in future FSAR amendments:

241.1 through 241.8 (Braidwood)  
241.8 (Pyron)

Attachment B

(continued)

VI. Equipment Qualification Branch (Series 271.0)

The following question will be answered in a future FSAR amendment:

271.1

VII. Siting Analysis Branch (Series 330.0)

The following 2 questions will be answered in future FSAR amendments:

330.1 (Braidwood)  
330.2 (Braidwood)

VIII. Geoscience Branch (Series 361 and 362)

The following 9 questions will be answered in future FSAR amendments:

361.1 through 361.5 (Braidwood)  
362.1 (Byron)  
362.1 (Braidwood)  
362.10, 362.11 (Braidwood)

IX. Hydrologic and Geotechnical Engineering Branch (Series 371.0)

The following 13 questions will be answered in future FSAR amendments:

371.1 through 371.19 (Braidwood)

X. Meteorology and Effluent Treatment Branch (Series 372)

The following 3 questions will be answered in future FSAR amendments:

372.21 through 372.23 (Braidwood)