



Commonwealth Edison

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

September 2, 1982

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 No. 39
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 39 pursuant to 10 CFR 50.34.

Amendment No. 39 to the Byron/Braidwood FSAR consists of responses to questions from the Auxiliary Systems Branch (010.0 series), Mechanical Engineering Branch (110.0 series), Structural Engineering Branch (130.0 series), Reactor Systems Branch (212.0 series), and the Effluent Treatment Systems Branch (321.0 series). Also included are revised responses to Questions 010.39, 010.40, 010.47, 022.23, 022.24, 022.25, 022.35, 022.47, 022.54, 022.74, 031.42, 040.182, 110.37, 121.1, 121.3, 212.90, 221.3, 321.15, 331.3, 331.15, 423.12, and 423.33, 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 review and approval.

Please direct questions regarding this amendment to this office.

Very truly yours,

T. R. Tramm

Nuclear Licensing Administrator

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SUBSCRIBED and SWORN to
before me this 2nd day
of September, 1982

Notary Public

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Attachment A

List of Round One and Round

Two Questions Answered in Byron/

Braidwood FSAR Amendment No. 39

I. Auxiliary Systems Branch (Series 010.55 - 010.59)

The following questions have been responded to in this amendment:

010.55 through 010.59

II. Mechanical Engineering Branch (Series 110.71, 110.72)

The following questions have been responded to in this amendment:

110.71
110.72

III. Structural Engineering Branch (Series 130.18 - 130.54)

The following question has been responded to in this amendment:

130.52

IV. Reactor Systems Branch (Series 212.153 - 212.159)

The following question has been responded to in this amendment:

212.154

V. Effluent Treatment Systems Branch (Series 321.15 - 321.43 and 321.44 - 321.52)

The following questions have been responded to in this amendment:

321.42
321.44 through 321.52

Attachment B

List of Round One and Round Two

Questions Not Answered in Byron/

Braidwood FSAR Amendment No. 39

I. Auxiliary Systems Branch (Series 010.0)

The following questions will be answered in future FSAR Amendments:

010.57 parts c, d, and e
010.58

II. Power Systems Branch (Series 040.0)

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

040.188

III. Reactor Systems Branch (Series 212.0)

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

212.157

IV. Equipment Qualification Branch (Series 271.0)

The following three questions will be answered in a future FSAR Amendment:

271.1 through 271.3

V. Hydrologic and Geotechnical Engineering Branch (Series 362.0)

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

362.1