



Commonwealth Edison

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

July 20, 1979

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

Subject: Byron Station Units 1 and 2 and
Braidwood Station Units 1 and 2
Amendment No. 21, FSAR Amendment,
to the Application for Construction
Permits and Operating Licenses
NRC Docket Nos. 50-454, 50-455, 50-456
and 50-457

References (a): May 15, 1979 letter from S. A. Varga to
Cordell Reed transmitting a portion of
first round questions on Byron and
Braidwood OL application.

(b): June 1, 1979 letter from S. A. Varga to
Cordell Reed transmitting additional
first round questions on Byron and
Braidwood OL application.

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 in NRC Docket Nos.
50-454, 50-455, 50-456 and 50-457, are hereby amended by submittal
of Amendment No. 21 pursuant to Section 50.34 of 10 CFR 50. In
addition to voluntary text and response revisions, this amendment
contains Commonwealth Edison Company responses to a portion of
the First Round Questions generated by the Staff in Reference (a).

More specifically, this amendment includes responses
to the questions transmitted in Reference (a) by the following
NRC Branches:

7907230158

2092 005

Mr. Harold R. Denton:

- 2 -

July 20, 1979

- 1) Auxiliary Systems Branch (005) - Complete response to all three (3) questions are included herein.
- 2) Power Systems Branch - Electrical Area (040) - Of the forty (40) questions transmitted, thirty-seven (37) are included herein. Responses to Questions 040.44, 040.63 and 040.73 will be included in the next amendment.
- 3) Effluent Treatment Systems Branch (321) - Of the eight (8) questions transmitted, seven (7) are included herein. Response to Question 321.9 will be included in the next amendment.
- 4) Hydrology - Meteorology Branch (hydrology - 371) - Complete responses to all four (4) questions on Byron and all three (3) questions on Braidwood are included herein.

Also included in this amendment is a completely revised Chapter 16 which has been reorganized to conform to the Standard Technical Specification format.

Responses to the questions of the remaining four (4) NRC Branches contained in Reference (a) and those of the two (2) Branches transmitted in Reference (b) will be included in the next FSAR amendment which is currently scheduled to be submitted in late August or early September 1979.

Three (3) signed originals and fifty-seven (57) copies of this amendment are submitted for your review and approval.

Very truly yours,

C. Reed

Cordell Reed
Assistant Vice-President

attachments

SUBSCRIBED and SWORN to
before me this 20th day
of July 1979.

Nancy M. Koscenza
Notary Public

2092 006