Commonwealth Edison Company
1400 Opus Place
Downers Grove, IL 60515-5701

ComEd

April 25, 1997

United States Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Document Control Desk

Subject: Byron Nuclear Power Station, Units 1 and 2
Facility Operating Licenses NPF-37 and NPF-66
NRC Docket Numbers: 50-454 and 50-455

Braidwood Nuclear Power Station, Units 1 and 2
Facility Operating Licenses NPF-72 and NPF-77
NRC Docket Numbers: 50-456 and 50-457

Supplement to Technical Specification Amendment Pertaining
to Primary Containment and Reactor Coolant System Volume

Reference: J. Hosmer letter to NRC dated January 30, 1997, Transmitting Technical Specification Amendment Request for Primary Containment and Reactor Coolant System Volume

The Reference letter transmitted the Commonwealth Edison Company (ComEd's) request to amend the Technical Specifications for Byron and Braidwood Units 1 and 2 regarding the primary containment and reactor coolant system volume associated with the Unit 1 Steam Generator Replacement. As stated in the Reference letter, the Marked-Up Improved Technical Specification pages were not included in the transmittal, but would be submitted at a later date. The attached supplements that package.

Enclosed is:

Attachment A:	Section E Description of the revised requirements
Attachment B-1A:	Byron Marked-Up ITS pages
Attachment B-2A:	Braidwood Marked-Up ITS pages

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A001

I affirm that this transmittal is true and correct to the best of my knowledge, information and belief.

If you have any questions, please contact this office.

Sincerely,

John Hosmer

John B. Hosmer
Engineering Vice President

OFFICIAL SEAL
JACQUELINE T EVANS
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES: 12/15/97

Signed before me on this 25th day of April, 1997 by

Jacqueline T. Evans

Notary Public

cc: S. Burgess, Senior Resident Inspector - Byron Station
C. Phillips, Senior Resident Inspector - Braidwood Station
G. Dick, Byron/Braidwood Project Manager - NRR
A. B. Beach, Regional Administrator - RIII
Office of Nuclear Safety - IDNS

ATTACHMENT A

E. DESCRIPTION OF THE REVISED REQUIREMENT (Cont.)

Revision to ITS (Attachments B-1a and B-2a)

Section 5.5.16, "Containment Leakage Rate Testing Program", in the Administrative Controls portion of ITS, will be revised to insert additional clarification of the unit specific values of P_a following steam generator replacement activities. For Byron, the value of P_a will be revised as follows (existing words in italics):

...*P_a, is 44.4 psig* for Unit 1 prior to Cycle 9 and 47.8 psig for Cycle 9 and after (44.4 psig for Unit 2).

For Braidwood, the value of P_a will be revised as follows (existing words in italics):

...*P_a, is 44.4 psig* for Unit 1 prior to Cycle 8 and 47.8 psig for Cycle 8 and after (44.4 psig for Unit 2).

As would be required by the ITS Bases Control Program, changes to the Bases section are included with this License Amendment Request.

Bases sections, B 3.6.1, "Containment", B 3.6.2, "Containment Air Locks", B 3.6.4, "Containment Pressure", and B 3.6.6, "Containment Spray and Cooling Systems", will be revised in the "Applicable Safety Analyses" portion to provide clarification of the unit specific values of P_a following steam generator replacement activities. For Byron, the specific value of P_a which is currently stated as 44.4 psig for both Units 1 and 2 will be revised as follows:

...44.4 psig for Unit 1 prior to Cycle 9 and 47.8 psig for Cycle 9 and after (44.4 psig for Unit 2)

For Braidwood, the specific value of P_a which is currently stated as 44.4 psig for both Units 1 and 2 will be revised as follows:

...44.4 psig for Unit 1 prior to Cycle 8 and 47.8 psig for Cycle 8 and after (44.4 psig forUnit 2)

Bases section B 3.6.5, "Containment Air Temperature" will be revised to change the maximum containment air temperature from 318 °F to 319.7 °F.

Bases section B 3.6.6, "Containment Spray and Cooling Systems" will be revised to change the maximum containment air temperature from 318 °F to 319.7 °F.

ATTACHMENT B-1a

MARKED UP PAGES FOR
PROPOSED CHANGES TO IMPROVED
TECHNICAL SPECIFICATIONS OF
FACILITY OPERATING LICENSES
NPF-37, NPF-66

BYRON STATION UNITS 1 & 2
REVISED PAGES:

5.0-35
B 3.6-2
B 3.6-8
B 3.6-34
B 3.6-38
B 3.6-44