

**RS-00-143****December 16, 2000****United States Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D. C. 20555****Braidwood Station, Units 1 and 2  
Facility Operating License Nos. NPF-72 and NPF-77  
NRC Docket Nos. STN 50-456 and STN 50-457****Byron Station, Units 1 and 2  
Facility Operating License Nos. NPF-37 and NPF-66  
NRC Docket Nos. STN 50-454 and STN 50-455**

**Subject: Byron and Braidwood Stations Updated Final Safety Analysis Report, Revision 8  
Byron Station Technical Requirements Manual, Revision 7  
Byron Station Technical Specifications Bases, Revision 14  
Braidwood Station Technical Requirements Manual, Revision 11  
Braidwood Station Technical Specifications Bases, Revision 20**

- References:**
- (1) Letter from J. A. Bauer (Commonwealth Edison Company) to NRC, "Updated Final Safety Analysis Report (UFSAR) Revision Submittal Frequency for Commonwealth Edison Company Nuclear Stations," dated May 4, 1993**
  - (2) Letter from letter J. B. Hickman (NRC) to D. L. Farrar (Commonwealth Edison Company), "Commonwealth Edison Proposal for Updated Final Safety Analysis Report Revision Submittal Frequency," dated June 15, 1993**
  - (3) Letter from K. L. Graesser (Commonwealth Edison Company) to NRC Document Control Desk, "Updated Final Safety Analysis Report (UFSAR)," dated December 16, 1998**

In accordance with 10 CFR 50.71, "Maintenance of records, making of reports," paragraph (e)(4), we are submitting Revision 8 of the Byron and Braidwood Stations Updated Final Safety Analysis Report (UFSAR). The changes to the facilities and procedures included in Revision 8 are those changes that were in effect as of June 16, 2000. Copies of the Byron Station and Braidwood Station Technical Requirements Manuals (TRM), through Revisions 7 and 11 respectively, are also included with this submittal as the TRM has been incorporated into the UFSAR by reference. In addition, in accordance with the Byron Station and Braidwood Station Technical Specifications (TS), 5.5.14, "Technical Specifications (TS) Bases Control Program," the current revision of each Station's TS Bases are included with this submittal (i.e., Revision 14 for Byron Station and Revision 20 for Braidwood Station).

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The changes to the UFSAR, TRM and TS Bases, have been made under the provisions of 10 CFR 50.59, "Changes, tests and experiments." We have evaluated these changes in accordance with 10 CFR 50.59 and concluded that the changes do not involve an unreviewed safety question.

Attachment 1 of this submittal contains the Byron and Braidwood Stations UFSAR Insert and Delete Instructions. Attachment 2 identifies all UFSAR changes incorporated into Revision 8 since the issuance of Revision 7. For future UFSAR revision submittals, we will identify the changes made under the provisions of 10 CFR 50.59 that have not been previously submitted to the NRC consistent with 10 CFR 50.71(e)(2)(ii). Attachment 3 contains the UFSAR updated pages.

A brief discussion to clarify the UFSAR submittal frequency for the Byron and Braidwood Stations is in order. In response to a Federal Government initiative to reduce unnecessary burden of governmental regulation, the NRC, in addition to other actions, revised 10 CFR 50.71(e)(4). This revision, effective October 1, 1992, provided for an extended interval between updates of licensee UFSARs. The revision to 10 CFR 50.71(e)(4) did not specifically address the appropriate submittal schedule for multiple facilities sharing a common UFSAR. In Reference 1, we submitted a proposed UFSAR revision submittal policy to meet the intent of the new rule. In Reference 2, the NRC approved our proposal to submit the Byron and Braidwood Stations UFSAR revisions no later than 24 months from the date of the previous update submittal. Reference 3 transmitted the previous revision of the UFSAR (i.e., Revision 7) to the NRC on December 16, 1998; therefore, this submittal is due to the NRC by December 16, 2000.

As Director – Licensing, I certify that the information in this submittal accurately presents changes made since the previous submittal necessary to reflect information and analyses submitted to the NRC or prepared pursuant to NRC requirements, and changes made under the provisions of 10 CFR 50.59.

Pursuant to 10 CFR 50.4, "Written communications," paragraph (b)(6), one signed original and ten copies are being provided to the Document Control Desk, plus one copy to the NRC Region III office and one copy of each to the Byron Station and Braidwood Station Resident Inspectors offices.

Please address any questions or comments regarding this submittal to P. Reister, Regulatory Assurance Manager, Byron Station, (815) 234-5441, extension 2280.

Respectfully,



R. M. Krich  
Director – Licensing

cc: James E. Dyer, Regional Administrator, Region III  
Senior Resident Inspector – Byron Station  
Senior Resident Inspector – Braidwood Station

bcc: NRC Project Manager – NRR – Byron and Braidwood Stations (w/o att.)  
Nicholas Reynolds – Winston and Strawn (w/o att.)  
Site Vice President – Braidwood Station (w/o att.)  
Site Vice President – Byron Station (w/o att.)  
Regulatory Assurance Manager – Braidwood Station (w/o att.)  
Regulatory Assurance Manager – Byron Station (w/o att.)  
Director, Licensing and Compliance – Braidwood and Byron Stations (w/o att.)  
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# **ATTACHMENT 1**

**BYRON AND  
BRAIDWOOD STATIONS  
UFSAR INSERT AND  
DELETE  
INSTRUCTIONS.**