

RS-07-040

10 CFR 50.4(b)(6)  
10 CFR 50.71(e)(4)

March 19, 2007

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555-0001

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: Updated Final Safety Analysis Report, Revision 11

Reference: Letter from D. M. Benyak (Exelon Generation Company, LLC) to U. S. NRC,  
"Updated Final Safety Analysis Report (UFSAR)," dated December 15, 2006

In the referenced letter, Exelon Generation Company, LLC (EGC) submitted Revision 11 of the Updated Final Safety Analysis Report (UFSAR) and Amendment 22 to the Fire Protection Report (FPR), for Braidwood and Byron Stations, via Electronic Information Exchange (EIE). Subsequent to the submittal, the NRC notified EGC that the EIE submittal CD-ROM was not accepted due to non-conformances to the NRC's EIE guidelines.

In accordance with 10 CFR 50.4, "Written communications," paragraph (b)(6), and 10 CFR 50.71, "Maintenance of records, making of reports," paragraph (e)(4), EGC is re-submitting Revision 11 of the UFSAR and Amendment 22 to the FPR for Braidwood and Byron Stations. This submittal supersedes the referenced letter in its entirety.

Revision 11 of the UFSAR and Amendment 22 to the FPR reflect changes to the facility and procedures, which were in effect as of June 15, 2006. The UFSAR is being submitted as hard copy replacement pages only. UFSAR pages changed as a result of this update are clearly delineated with "REVISION - 11, DECEMBER 2006" in the page footer. FPR pages changed as a result of this update are clearly delineated with "Amendment 22, December 2006" in the page header. The Technical Requirements Manual is incorporated by reference in the UFSAR and is included in its entirety. The Technical Specification (TS) Bases are being submitted in

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accordance with TS 5.5.14.d and are also included in their entirety. The following hard copy documents are being submitted:

Attachment A provides a brief summary of the changes incorporated into UFSAR Revision 11.  
Attachment B provides a brief summary of the changes incorporated into FPR Amendment 22.  
Attachment C provides a UFSAR page index summary report following page replacement.  
Attachment D provides UFSAR Insert and Deletion Instructions.  
Attachment E provides summary pages to remove and insert.  
Attachment F provides UFSAR "REVISION 11 – DECEMBER 2006" replacement pages.  
Attachment G provides the Braidwood TRM.  
Attachment H provides the Braidwood Technical Specifications Bases.  
Attachment I provides the Byron TRM.  
Attachment J provides the Byron Technical Specifications Bases.  
Attachment K provides the Braidwood and Byron FPR.

As Manager – 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.

Should you have any questions concerning this letter, please contact Mr. Florencio M. Arrieta at (630) 657-2805.

Respectfully,



Darin Benyak  
Manager – Licensing

Attachments

cc: Regional Administrator – NRC Region III  
NRC Senior Resident Inspector – Byron Station  
NRC Senior Resident Inspector – Braidwood Station