



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

January 27, 2016

Mr. Michael P. Gallagher  
Vice President, License Renewal Projects  
Exelon Generation Company, LLC  
200 Exelon Way  
Kennett Square, PA 19348

SUBJECT: ISSUANCE OF RENEWED FACILITY OPERATING LICENSES FOR  
BRAIDWOOD NUCLEAR STATION, UNITS 1 AND 2 (TAC NOS. MF1879  
AND MF1880)

Dear Mr. Gallagher:

The U.S. Nuclear Regulatory Commission (NRC or the staff) has issued Renewed Facility Operating License Nos. NPF-72 and NPF-77 for Braidwood Station, Units 1 and 2, respectively. The NRC issued the renewed facility operating licenses based on its review of your application dated May 29, 2013, and supplemented by letters submitted to the NRC through April 13, 2015. The technical specifications for Braidwood 1 and 2 were not amended because of the NRC's review.

Renewed Facility Operating License No. NPF-72 for Unit 1 expires at midnight on October 17, 2046. Renewed Facility Operating License No. NPF-77 for Unit 2 expires at midnight on December 18, 2047.

The technical basis for issuing the renewed operating licenses for Braidwood 1 and 2 is set forth in "Safety Evaluation Report Related to the License Renewal of Byron Station, Units 1 and 2, and Braidwood Station, Units 1 and 2," dated July 6, 2015 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15182A051). The results of the environmental review related to the issuance of the renewed licenses are in NUREG-1437, Supplement 55, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants Regarding Braidwood Station, Units 1 and 2," dated November 2015, (ADAMS Accession No. ML15314A814), and the record of decision.

For Braidwood Unit 1, Enclosure 1 contains Renewed Facility Operating License No. NPF-72; Enclosure 2 contains the following appendices:

- Appendix A, "Technical Specifications"
- Appendix B, "Environmental Protection Plan"
- Appendix C, "Additional Conditions"

M. Gallagher

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For Braidwood Unit 2, Enclosure 3 contains Renewed Facility Operating License No. NPF-77 with the following appendices:

- Appendix A, "Technical Specifications"
- Appendix B, "Environmental Protection Plan"
- Appendix C, "Additional Conditions"

Enclosure 4 is a copy of the related *Federal Register* notice of issuance of the renewed licenses. The staff has sent the original to the Office of the Federal Register for publication.

If you have any questions regarding this issue, please feel free to contact me by phone at 301-415-3306 or by e-mail at [Lois.James@nrc.gov](mailto:Lois.James@nrc.gov).

Sincerely,

*/RA/*

Lois M. James, Senior Project Manager  
Projects Branch 1  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket Nos. 50-456 and 50-457

Enclosures:

1. Braidwood Station, Unit 1, Renewed Facility Operating License
2. Braidwood Station, Unit 1, Appendices A, B, and C
3. Braidwood Station, Unit 2, Renewed Facility Operating License, with Appendices
4. Copy of Federal Register Notice

cc: Listserv

For Braidwood Unit 2, Enclosure 3 contains Renewed Facility Operating License No. NPF-77 with the following appendices:

- Appendix A, "Technical Specifications"
- Appendix B, "Environmental Protection Plan"
- Appendix C, "Additional Conditions"

Enclosure 4 is a copy of the related *Federal Register* notice of issuance of the renewed licenses. The staff has sent the original to the Office of the Federal Register for publication.

If you have any questions regarding this issue, please feel free to contact me by phone at 301-415-3306 or by e-mail at [Lois.James@nrc.gov](mailto:Lois.James@nrc.gov).

Sincerely,  
**/RA/**  
 Lois M. James, Senior Project Manager  
 Projects Branch 1  
 Division of License Renewal  
 Office of Nuclear Reactor Regulation

Docket Nos. 50-456 and 50-457

Enclosures:

1. Braidwood Station, Unit 1, Renewed Facility Operating License
  2. Braidwood Station, Unit 1, Appendices A, B, and C
  3. Braidwood Station, Unit 2, Renewed Facility Operating License, with Appendices
  4. Copy of Federal Register Notice
- cc: Listserv

DISTRIBUTION:  
 See next page

ADAMS Accession Nos.:  
**ML15336A026 (Package)**  
**ML15336A028 (Letter)**  
**ML15336A033 (Enclosure 1, Braidwood Unit 1, License)**  
**ML15336A731 (Enclosure 2, Appendices A, B, and C)**  
**ML15336A036 (Enclosure 3, Braidwood Unit 2, License)**  
**ML15336A041 (Enclosure 4, Federal Register Notice)**

\*\*Comments  
 \*Concurred via e-mail

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**OFFICIAL RECORD COPY**

Letter to M. Gallagher from J. Daily dated January 27, 2016

SUBJECT: ISSUANCE OF RENEWED FACILITY OPERATING LICENSES FOR  
BRAIDWOOD NUCLEAR STATION, UNITS 1 AND 2, (TAC NOS. MF1879 AND  
MF1880)

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**Enclosure 1**

**Braidwood Station, Unit 1, Renewed Facility  
Operating License**

**ML15336A033**

**Enclosure 2**

**Braidwood Station, Unit 1,  
Appendices A, B, and C**

**ML15336A731**

**Enclosure 3**

**Braidwood Station, Unit 2, Renewed Facility  
Operating License**

**ML15336A036**

**Enclosure 4**

**Copy of Federal Register Notice of  
Renewed Facility Operating Licenses  
Braidwood Station Units 1 and 2  
ML15336A041**