



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

November 19, 2015

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 BYRON  
NUCLEAR STATION, UNITS 1 AND 2, (TAC NOS. MF1881 AND MF1882)

Dear Mr. Gallagher:

The U.S. Nuclear Regulatory Commission (NRC or the staff) has issued Renewed Facility Operating License Nos. NPF-37 and NPF-66 for Byron 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 Byron 1 and 2 were not amended as a result of the NRC's review.

Renewed Facility Operating License No. NPF-37 for Unit 1 expires at midnight on October 31, 2044. Renewed Facility Operating License No. NPF-66 for Unit 2 expires at midnight on November 6, 2046.

The technical basis for issuing the renewed operating licenses for Byron 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 given in NUREG-1437, Supplement 54, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants Regarding Byron Station, Units 1 and 2," dated July 2015, (ADAMS Accession No. ML1519A263), and the record of decision. The staff review for Braidwood Station, Units 1 and 2, continues as explained in the scheduled revision letter dated September 14, 2015.

For Byron Unit 1, Enclosure 1 contains Renewed Facility Operating License No. NPF-37; Enclosure 2 contains the following Appendices:

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

For Byron Unit 2, Enclosure 3 contains Renewed Facility Operating License No. NPF-66 with the following Appendices:

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

M. Gallagher

- 2 -

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 301-415-3873 or by e-mail at [John.Daily@nrc.gov](mailto:John.Daily@nrc.gov).

Sincerely,

**/RA/**

John Daily, Senior Project Manager  
Projects Branch 1  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket Nos. 50-454 and 50-455

Enclosures:

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

cc: Listserv

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 at 301-415-3873 or by e-mail at [John.Daily@nrc.gov](mailto:John.Daily@nrc.gov).

Sincerely,

*/RA/*

John Daily, Senior Project Manager  
 Projects Branch 1  
 Division of License Renewal  
 Office of Nuclear Reactor Regulation

Docket Nos. 50-454 and 50-455

Enclosures:

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

cc: Listserv

DISTRIBUTION: See next page

ADAMS Accession Nos.:

**ML15267A789 (Package)**

**ML15267A783 (Letter)**

**ML15272A307 (Enclosure 1, Byron Unit 1, License)**

**ML15286A276 (Enclosure 2, Appendices A, B, and C)**

**ML15272A325 (Enclosure 3, Byron Unit 2, License)**

**ML15271A117 (Enclosure 4, Federal Register Notice)**

\*Concurred via e-mail

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**OFFICIAL RECORD COPY**

Letter to M. Gallagher from J. Daily dated November 19, 2015

SUBJECT: ISSUANCE OF RENEWED FACILITY OPERATING LICENSES FOR BYRON  
NUCLEAR STATION, UNITS 1 AND 2, (TAC NOS. MF1881 AND MF1882)

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**Enclosure 1**

**Byron Station Unit 1 Renewed Facility  
Operating License**

**ML15272A307**

**Enclosure 2**

**Byron Station Unit 1  
Appendix A, B, and C**

**ML15286A276**

**Enclosure 3**

**Byron Station Unit 2 Renewed Facility  
Operating License**

**ML15272A325**

**Enclosure 4**

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

**ML15271A117**