



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

January 29, 2014

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

SUBJECT: REQUESTS FOR ADDITIONAL INFORMATION FOR THE ENVIRONMENTAL
REVIEW OF THE BYRON NUCLEAR STATION, UNITS 1 AND 2, LICENSE
RENEWAL APPLICATION – ADDITIONAL REQUEST

Dear Mr. Gallagher:

By letter dated May 29, 2013, Exelon Generation Company, LLC, submitted an application pursuant to Title 10 of the *Code of Federal Regulations* (CFR) Part 54, to renew the operating licenses NPF-37 and NPF-66 for Byron Nuclear Station, Unit 1 and 2, respectively, for review by the U.S. Nuclear Regulatory Commission (NRC) staff. The NRC staff is reviewing the information contained in the license renewal application and has identified areas where additional information is needed to complete the review. The enclosure lists the additional environmental request for additional information (RAI).

This RAI was discussed with Ms. Nancy Ranek, and a mutually agreeable date for the response is two weeks from the date of this letter for the environmental RAI. If you have any questions, please contact me at 301-415-3306 or by e-mail at lois.james@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Lois M. James", is positioned above the typed name.

Lois M. James, Project Manager
Projects Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-454 and 50-455

Enclosure:
Requests for Additional Information

cc w/encl: Listserv

January 29, 2014

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

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/RA/

Lois M. James, Project Manager
Projects Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

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See next page

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***Concurred via email**

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NAME	IKing	LJames	DWrona	BWittick (MMarshall for)	LJames
DATE	1/21/2014	1/24/2014	1/24/2014	1/29/2014	1/29/2014

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Letter to M. Gallagher from L. James dated January 29, 2013

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REVIEW OF THE BYRON NUCLEAR STATION, UNITS 1 AND 2, LICENSE
RENEWAL APPLICATION – ADDITIONAL REQUEST

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BYRON NUCLEAR STATION, UNIT 1 AND 2
LICENSE RENEWAL APPLICATION
ENVIRONMENTAL REQUEST FOR ADDITIONAL INFORMATION

Requests for Additional Information:

Aquatic

1. Provide the following information:

- e. (ComEd 1981b) Commonwealth Edison Company. 1981. Byron Station Environmental Report Operating License Stage. Vol. 2. Amendment No. 4. January 1983 – coversheet and Section 3.4
- f. Commonwealth Edison Company. 1981. Byron Station Environmental Report Operating License Stage. Vol. 2. Amendment No. 4. January 1983. [Audit Reference Material]:
 - i) coversheet
 - ii) Section 2.2.1, Aquatic Ecology
 - iii) Section 4.1.4.2, Aquatic Studies
 - iv) Section 5.1.3, Biological Effects [on the Rock River]
 - v) Section 5.2.1.1.2, Aquatic Pathways for Biota Other Than Man
 - vi) Section 6.1.1, Pre-Operational Monitoring of Surface Water
 - vii) Section 6.2.1, Aquatic Monitoring

ENCLOSURE