



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

April 15, 2014

LICENSEE: Exelon Generation Company, LLC

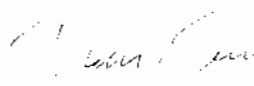
FACILITY: Braidwood Station, Units 1 and 2

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON
MARCH 31, 2014, BETWEEN THE U.S. NUCLEAR REGULATORY
COMMISSION AND EXELON GENERATION COMPANY, LLC, CONCERNING
REQUESTS FOR ADDITIONAL INFORMATION PERTAINING TO THE
BRAIDWOOD STATION, LICENSE RENEWAL APPLICATION
ENVIRONMENTAL REPORT (TAC. NOS. MF1832/1833, MF1792/1793)

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Exelon Generation Company, LLC held a telephone conference call on March 31, 2014, to discuss and clarify the staff's requests for additional information (RAIs) concerning the Braidwood Station, license renewal application environmental report. The telephone conference call was useful in clarifying the intent of the staff's RAIs.

Enclosure 1 provides a listing of the participants and Enclosure 2 contains a listing of the RAIs discussed with the applicant, including a brief description on the status of the items.

The applicant had an opportunity to comment on this summary.


Tam Tran, Project Manager
Projects Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-456 and 50-457

Enclosures:

1. List of Participants
2. List of Requests for Additional Information

cc w/encls: Listserv

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/RA/

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DISTRIBUTION: See next page

ADAMS Accession No.: ML14092A356

*concurring via email

OFFICE	LA:DLR*	PM:RPB2:DLR	BC:RPB2:DLR	PM:RPB2:DLR
NAME	IKing	TTran	BWittick	TTran
DATE	4/7/14	4/7/14	4/10/14	4/15/14

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J. Daily, DLR

L. James, DLR

T. Tran, DLR

Y. Diaz-Sanabria, DLR

B. Wittick, DLR

D. McIntyre, OPA

T. Riley, OCA

S. Sheldon, Rill

A. Barker, Rill

E. Duncan, Rill

A. Stone, Rill

J. Benjamin, Rill

V. Mitlyng, Rill

**TELEPHONE CONFERENCE CALL
BRAIDWOOD STATION
LICENSE RENEWAL APPLICATION**

**LIST OF PARTICIPANTS
MARCH 31, 2014**

PARTICIPANTS

Tam Tran
Briana Grange
Nancy Ranek
John Hufnagel
Albert Fulvio

AFFILIATIONS

U.S. Nuclear Regulatory Commission (NRC)
NRC
Exelon Generation Company, LLC (Exelon)
Exelon
Exelon

REQUESTS FOR ADDITIONAL INFORMATION

LICENSE RENEWAL APPLICATION

MARCH 31, 2014

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Exelon Generation Company, LLC (Exelon), held a telephone conference call on March 31, 2014, to discuss and clarify the following requests for additional information (RAIs) concerning the license renewal application (LRA) environmental report.

RAI# AQ-11

Section 2.2.5, Page 2-15 of the Environmental Report (ER) discusses fish kill events in the Braidwood cooling pond.

- a. The ER states that five fish kills occurred between 2001 and 2007. NRC staff is aware of the fish kill events that occurred on July 22, 2001 (ML012390121), August 27, 2001 (ML012680140), and June 28, 2005 (ML052160140). Provide the dates of the remaining two events as well as copies of the non-routine event reports associated with each event.
- b. Provide the dates of all fish kill events for the period 2008 through present as well as copies of the associated non-routine event report. The NRC staff is aware of the June 24, 2009, fish kill event and associated non-routine report (ML092390348).

Discussion: The staff clarified that it is seeking information not already in ADAMS. Exelon indicated the question is clear.

RAI# AQ-12

Section 2.2.5, Page 2-16 of the ER states that "HDR [HDR Engineering] assessed water quality and fish populations in the cooling pond in late summer 2009 and 2010 to develop a better understanding of the factors contributing to fish kills and design a water quality or fish monitoring program that could be used to predict (and conceivably mitigate) fish kills in the pond."

- a. Provide copies of the 2009 and 2010 HDR studies mentioned in the ER.
- b. Has Exelon designed a water quality or fish monitoring program for the cooling pond, as mentioned in the ER? If so, provide a brief description of the program and any associated monitoring reports for available data years.
- c. Has Exelon implemented any mitigation to reduce the number of fish kills in the cooling pond? If so, describe such mitigation.

Discussion: Exelon indicated the question is clear.

RAI# AQ-13

Sections 4.2 and 4.3 of the ER discuss the effects resulting from entrainment and impingement of Kankakee River aquatic biota at the makeup water intake or associated river screen house. In its analysis of entrainment and impingement, the NRC will consider the effects of entrainment and impingement that occurs at both the river screen house and the lake screen house.

To support this analysis, please provide any studies that assess entrainment or impingement at the cooling pond's lake screen house.

Discussion: Exelon indicated the question is clear.

RAI# AQ-14

Section 4.4 of the ER considers the effects of heat shock on aquatic biota in the Kankakee River. In its analysis, the NRC will consider the effects of heat shock on aquatic biota in both the Kankakee River and the cooling pond. To support this analysis, please provide any thermal studies that have been conducted on the cooling pond.

Discussion: Exelon indicated the question is clear.

RAI# AQ-15

Submit the following Environmental Report references for docketing:

- a. (Exelon Nuclear 2011c) Exelon Nuclear. 2011. Braidwood Station - Braidwood Lake Additional Biological Sampling Program, 2010.

Discussion: Exelon indicated the question is clear. The staff will issue a follow-up RAI. Exelon agreed on a 30 day due date for the RAI response.