



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

July 13, 2015

MEMORANDUM TO: Edwin M. Hackett, Executive Director
Advisory Committee on Reactor Safeguards

FROM: Christopher G. Miller, Director */RA/*
Division of License Renewal
Office of Nuclear Reactor Regulation

SUBJECT: ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
REVIEW OF THE BYRON-BRAIDWOOD NUCLEAR STATIONS
LICENSE RENEWAL APPLICATION – TRANSMITTAL OF FINAL
SAFETY EVALUATION REPORT

By letter dated May 29, 2013, Exelon Generation Company, LLC, (Exelon or the applicant), submitted a license renewal application (LRA) for Byron Nuclear Station, Units 1 and 2, and Braidwood Nuclear Station, Units 1 and 2, in accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) Part 54, "Requirements for Renewal of Operating Licenses for Nuclear Power Plants." Exelon requested renewal of the stations' operating licenses (operating licenses NPF-37, NPF-66, NPF-72, and NPF-77) for a period of 20 years beyond the current respective expirations at midnight, October 31, 2024 (Byron Unit 1), November 6, 2026 (Byron Unit 2), October 17, 2026 (Braidwood Unit 1), and December 18, 2027 (Braidwood Unit 2). The Advisory Committee on Reactor Safeguards (ACRS) Subcommittee met on December 3, 2014, to review the LRA and the staff's "Safety Evaluation Report With Open Items Related to the License Renewal of Byron Station, Units 1 and 2, and Braidwood Station, Units 1 and 2" (ADAMS Accession No. ML14296A176).

The license renewal staff and technical branches have completed their review of the applicant's LRA and have issued the "Safety Evaluation Report Related to License Renewal of Byron Station, Units 1 and 2, and Braidwood Station, Units 1 and 2" (ADAMS Accession No. ML15182A051). All open items have been satisfactorily closed. We request that the ACRS review this safety evaluation for the Byron-Braidwood LRA. The Byron-Braidwood LRA is currently scheduled for review by the ACRS full committee on September 10, 2015.

The required copies of the pertinent documents have been delivered to your staff.

E. Hackett

-2-

If you have any questions, please contact John Daily, the license renewal Safety Project Manager for this application, at 301-415-3873 or by email at John.Daily@NRC.Gov.

Docket Nos. 50-454, 50-455, 50-456, and 50-457

E. Hackett

-2-

If you have any questions, please contact John Daily, the license renewal Safety Project Manager for this application, at 301-415-3873 or by email at John.Daily@NRC.Gov.

Docket Nos. 50-454, 50-455, 50-456, 50-457

DISTRIBUTION:

HARD COPY:

DLR RF

E-MAIL:

Docket Nos. 50-454, 50-455, 50-456, 50-457

PUBLIC

RidsNrrDirResource

RidsNrrDirRpb1 Resource

RidsNrrDirRpb2 Resource

RidsNrrDirRarb Resource

RidsNrrDirRasb Resource

RidsNrrDirRerb Resource

RidsNrrPMByron Resource

RidsNrrPMBraidwood Resource

ADAMS Accession No: ML15187A327

*concurring via email

OFFICE	LA:DLR*	PM:DLR:RPB1	BC:DLR:RPB1	D:DLR
NAME	YEdmonds	JDaily	YDiaz-Sanabria	CMiller
DATE	7/9/15	7/9/15	7/9/15	7/13/15

OFFICIAL RECORD COPY