



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

July 8, 2016

LICENSEE: Exelon Generation Co., LLC

FACILITY: LaSalle County Station

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON JUNE 27, 2016 BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND EXELON GENERATION CO., LLC, CONCERNING A DRAFT REQUEST FOR ADDITIONAL INFORMATION PERTAINING TO THE LASALLE COUNTY STATION LICENSE RENEWAL APPLICATION (TAC. NOS. MF5347 & MF5346)

U.S. Nuclear Regulatory Commission staff and representatives of Exelon Generation Company, LLC held a telephone conference call on June 27, 2016, to discuss and clarify a staff requests for additional information (RAIs) concerning the LaSalle County Station license renewal application. The telephone conference call was useful in clarifying the intent of the staff's draft RAI.

Enclosure 1 provides a listing of the participants and Enclosure 2 contains a listing of the draft RAI discussed with the applicant, including a brief description of the discussion.

The applicant had an opportunity to comment on this summary.

Sincerely,

/RA/

William Ford, Sr. Physical Scientist
Environmental Review and Projects Branch
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-373 and 50-374

Enclosures:

- 1) List of Participants
- 2) List of RAI

cc w/encls: See next page

July 8, 2016

LICENSEE: Exelon Generation Co., LLC

FACILITY: LaSalle County Station

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON JUNE 27, 2016 BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND EXELON GENERATION CO., LLC, CONCERNING A DRAFT REQUEST FOR ADDITIONAL INFORMATION PERTAINING TO THE LASALLE COUNTY STATION LICENSE RENEWAL APPLICATION (TAC. NOS. MF5347 & MF5346)

U.S. Nuclear Regulatory Commission staff and representatives of Exelon Generation Company, LLC held a telephone conference call on June 27, 2016, to discuss and clarify a staff requests for additional information (RAIs) concerning the LaSalle County Station license renewal application. The telephone conference call was useful in clarifying the intent of the staff's draft RAI.

Enclosure 1 provides a listing of the participants and Enclosure 2 contains a listing of the draft RAI discussed with the applicant, including a brief description of the discussion.

The applicant had an opportunity to comment on this summary.

Sincerely,

/RA/

William Ford, Sr. Physical Scientist
Environmental Review and Projects Branch
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-373 and 50-374

Enclosures:

- 1) List of Participants
- 2) List of RAI

cc w/encls: See next page

DISTRIBUTION: See next page

ADAMS Accession No.:ML16183A283

***Concur on cover memo only**

OFFICE	LA:DLR*	PM:RERP:DLR	BC:RERP:DLR	PM:RERP:DLR
NAME	IBetts	WFord	JDanna	WFord
DATE	7/6/16	7/7/16	7/8/16	7/8/16

OFFICIAL RECORD COPY

**TELEPHONE CONFERENCE CALL
LASALLE COUNTY STATION
LICENSE RENEWAL APPLICATION**

LIST OF PARTICIPANTS
JUNE 27, 2016

PARTICIPANTS

Nancy Ranek
John Huffnagel
Grant Teagarden
William Ford
James Danna
Tam Tran
Lois James
David Drucker
Jerry Dozier

AFFILIATIONS

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

ENCLOSURE

REQUEST FOR ADDITIONAL INFORMATION LICENSE RENEWAL APPLICATION

June 27, 2016

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Exelon Generation Company, LLC held a telephone conference call on June 27, 2016, to discuss and clarify the following requests for additional information (RAIs) concerning the license renewal application (LRA).

DRAFT RAI

By letter dated December 9, 2014, Exelon Generation Company, LLC, submitted an application pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) Part 51 and 10 CFR Part 54, to renew the operating licenses NPF-11 & NPF-18 for LaSalle County Station, Units 1 and 2, for review by the U.S. Nuclear Regulatory Commission (NRC or the staff). The staff is reviewing the information contained in the license renewal application and has identified, in the enclosure, areas where additional information is needed to complete the review.

On May 4, 2016, the Commission issued a decision (CLI-16-07) in the Indian Point license renewal proceeding, in which it directed the Staff to supplement the Indian Point Severe Accident Mitigation Alternatives (SAMA) analysis with sensitivity analyses. Specifically, the Commission held that documentation was lacking for two inputs (TIMDEC and CDNFRM) used in the MACCS computer analyses, and that uncertainties in those input values could potentially affect the SAMA analysis cost-benefit conclusions. The Commission therefore directed the Staff to perform additional sensitivity analyses.

The two inputs (TIMDEC and CDNFRM) are commonly used in the SAMA analyses performed for license renewal applications (LRAs). These two input values were generally based on the values provided in NUREG 1150, "Severe Accident Risks: An Assessment for Five U.S. Nuclear Power Plants" and NUREG/CR-3673, "Economic Risks of Nuclear Power Reactor Accidents." The TIMDEC input value defines the time required for completing decontamination to a specified degree. The CDNFRM input parameter defines the cost (on a per person basis) of decontaminating non-farmland by a specified decontamination factor. The CDNFRM values used in NUREG-1150 (\$3,000/person for decontamination factor of 3 and \$8,000/person for decontamination factor of 15) stem from decontamination cost estimates provided in NUREG/CR-3673, the same 1984 economic risk study referenced in support of the decontamination time inputs. These decontamination cost inputs are commonly escalated to account for inflation.

The NRC Staff believes the Commission's decision in CLI-16-07 may be applicable to the SAMA analysis performed for LaSalle County Station Units 1 and 2, inasmuch as that analysis may have also relied upon the NUREG-1150 values for TIMDEC and CDNFRM. We therefore request that Exelon Generation Company, LLC either justify why CLI-16-07 does not apply to the SAMA analysis performed for LaSalle County Station, Units 1 and 2 or supplement the SAMA analysis with sensitivity analyses for the CDNFRM and TIMDEC values.

ENCLOSURE 2

Exelon Generation Company, LLC is requested to review the input values specified in CLI-16-07 for the Indian Point LRA, and (1) to apply the maximum values specified by the Commission (one year (365 days) for TIMDEC and \$100,000 for the CDNFRM values for the decontamination factor of 15) or, in the alternative, (2) to explain, with sufficient justification, its rationale for choosing any other value(s) for its sensitivity analyses. In any event, Exelon Generation Company, LLC should execute sensitivity analyses for the release categories modeled that exceed 10^{15} Becquerels of Cs-137 released. Exelon Generation Company, LLC is requested to evaluate how these sensitivity analyses may affect its identification of potentially cost-beneficial SAMAs. Finally, upon completing its sensitivity analysis, Exelon Generation Company, LLC is requested to submit the spreadsheet (or equivalent table if another method is used) that conveys the population dose and off-site economic cost for each release category and integrates the results into a Population Dose Risk and an Offsite Economic Cost Risk for LaSalle County Station, Units 1 and 2.

This request for additional information was discussed with Nancy Ranek, and a mutually agreeable date for the response is within 30 days from the date of this letter. If you have any questions, please contact me at 301-415-1263 or e-mail William.Ford@nrc.gov.

Discussion:

The applicant's representatives indicated they had a clear understanding of the question. They understood the need for the RAI and that it was driven by a recent decision by the Commission. They also understood they were being asked to either justify why CLI-16-07 does not apply to the SAMA analysis performed for LaSalle County Station, Units 1 and 2 or supplement the SAMA analysis with sensitivity analyses for the CDNFRM and TIMDEC values. The applicant believes that they can respond to this RAI within the requested 30 day time period.

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON JUNE 27, 2016
BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND EXELON
GENERATION CO., LLC, CONCERNING A DRAFT REQUEST FOR
ADDITIONAL INFORMATION PERTAINING TO THE LASALLE COUNTY
STATION, LICENSE RENEWAL APPLICATION (TAC. NOS. MF5347 & MF5346)

DISTRIBUTION:

HARD COPY:

DLR RF

E-MAIL:

PUBLIC

RidsNrrDir Resource

RidsNrrDirRpb1 Resource

RidsNrrDirRpb2 Resource

RidsNrrDirRerb Resource

RidsNrrDirRarb Resource

RidsNrrDirRasb Resource

RidsNrrDirRsrg Resource

RidsNrrPMLasalle Resource

RidsOpaMail

RidsOgcMail

J. Mitchell

R. Plasse

W. Ford

J. Danna

J. Wachutka, OGC

D. McIntyre, OPA

M. Kunowski, RIII

V. Mitlyng, RIII

P. Chandrathil, RIII

H. Logaras, RIII

C. Lipa, RIII

S. Sheldon, RII

R. Ruiz, RIII

J. Robbins, RIII