



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

March 26, 2018

Mr. Bryan C. Hanson
Senior Vice President
Exelon Generation Company, LLC
President and Chief Nuclear Officer
Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: JAMES A. FITZPATRICK NUCLEAR POWER PLANT – ISSUANCE OF
AMENDMENT NO. 318 RE: EMERGENCY PLAN REQUALIFICATION
TRAINING FREQUENCY FOR EMERGENCY RESPONSE ORGANIZATION
PERSONNEL (CAC NO. MG0026; EPID L-2017-LLA-0273)

Dear Mr. Hanson:

The U.S. Nuclear Regulatory Commission (the Commission) has issued the enclosed Amendment No. 318 to Renewed Facility Operating License No. DPR-59 for the James A. FitzPatrick Nuclear Power Plant. The amendment revises the license to authorize changes to the Emergency Plan in response to your application dated July 31, 2017.

The amendment authorizes the licensee to revise the Emergency Plan description for the emergency response organization requalification training frequency from “annually” to “once per calendar year not to exceed 18 months between training sessions.”

A copy of our related Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission’s biweekly *Federal Register* Notice.

Sincerely,

A handwritten signature in black ink, appearing to read "Tanya E. Hood".

Tanya E. Hood, Project Manager
Plant Licensing Branch I
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-333

Enclosures:

1. Amendment No. 318 to Renewed License No DPR-59
2. Safety Evaluation

cc: Listserv



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EXELON GENERATION COMPANY, LLC

EXELON FITZPATRICK, LLC

DOCKET NO. 50-333

JAMES A. FITZPATRICK NUCLEAR POWER PLANT

AMENDMENT TO RENEWED FACILITY OPERATING LICENSE

Amendment No. 318
Renewed License No. DPR-59

1. The U.S. Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Exelon Generation Company, LLC and Exelon FitzPatrick, LLC (the licensee) dated July 31, 2017, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

2. Accordingly, by Amendment No. 318, the license is amended to authorize changes to the Emergency Plan as set forth in the licensee's application dated July 31, 2017, and evaluated in the NRC staff's safety evaluation for this amendment.
3. This license amendment is effective as of the date of its issuance and shall be implemented within 90 days.

FOR THE NUCLEAR REGULATORY COMMISSION

Michelle J Evans for

Brian E. Holian, Acting Director
Office of Nuclear Reactor Regulation

Date of Issuance: March 26, 2018



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SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 318 TO

RENEWED FACILITY OPERATING LICENSE NO. DPR-59

EXELON GENERATION COMPANY, LLC

EXELON FITZPATRICK, LLC

JAMES A. FITZPATRICK NUCLEAR POWER PLANT

DOCKET NO. 50-333

1.0 INTRODUCTION

By letter dated July 31, 2017 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML17213A049), Exelon Generation Company, LLC (Exelon or the licensee) requested a change to the renewed facility operating license for the James A. FitzPatrick Nuclear Power Plant (FitzPatrick). The proposed amendment would amend the license to allow the licensee to revise the Emergency Plan requalification training frequency for emergency response organization (ERO) personnel, consistent with emergency plans throughout the Exelon fleet.

2.0 REGULATORY EVALUATION

The applicable regulations and guidance for the emergency plans are as follows:

2.1 Regulations

The regulations in Title 10 of the *Code of Federal Regulations* (10 CFR) Section 50.47(b) provide standards to ensure that nuclear power reactor licensees have emergency response plans that provide reasonable assurance that adequate protective measures will be taken in the event of an emergency at a nuclear power reactor.

The following regulatory requirements are applicable to the license amendment request:

- 10 CFR 50.47(b)(15), which states, "Radiological emergency response training is provided to those who may be called on to assist in an emergency."

- 10 CFR Part 50, Appendix E, “Emergency Planning and Preparedness for Production and Utilization Facilities,” Section IV.F.1, which states, in part:

The program to provide for: (a) The training of employees and exercising, by periodic drills, of emergency plans to ensure that employees of the licensee are familiar with their specific emergency response duties, and (b) The participation in the training and drills by other persons whose assistance may be needed in the event of a radiological emergency shall be described. This shall include a description of specialized initial training and periodic retraining programs to be provided....

2.2 Guidance

Section II.O, Evaluation Criterion 5 of NUREG-0654/FEMA-REP-1, Revision 1, “Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants,” November 1980 (ADAMS Accession No. ML040420012), states:

Each organization shall provide for the initial and annual retraining of personnel with emergency response responsibilities.

3.0 TECHNICAL EVALUATION

In its license amendment request, Exelon requested U.S. Nuclear Regulatory Commission (NRC or the Commission) prior approval to revise the description of its ERO requalification training frequency in the FitzPatrick Emergency Plan from “annually” to “once per calendar year not to exceed 18 months between training sessions.” This change would align the requalification training frequency across the Exelon fleet and establish a common ERO requalification training frequency for personnel assigned to ERO positions.

The NRC staff determined that the proposed change would enable Exelon to establish consistency in training cycles, while allowing some flexibility in scheduling ERO requalification training. The NRC staff’s guidance regarding ERO requalification training periodicity is met by ensuring that requalification training will be conducted once each calendar year and that 18 months is the maximum period that elapses between ERO requalification training cycles. The purpose of annual training is to ensure that ERO personnel are familiar with their duties. To accommodate the scheduling of training, licensees can schedule their training at any time during each calendar year as long as they meet the annual requirement. Because the proposed change will allow training to be conducted annually (but no more than 18 months apart), it meets the guidance of NUREG-0654/FEMA-REP-1, Revision 1. Therefore, the NRC staff finds that the licensee’s request satisfies the guidance provided in Section II.O.5 of NUREG-0654/FEMA-REP-1, Revision 1 and meets planning standard 10 CFR 50.47(b)(15) and the requirements of Section IV.F.1 to Appendix E of 10 CFR Part 50.

Accordingly, the NRC staff concludes that the proposed revision to the requalification training frequency requirement from “annually” to “once per calendar year not to exceed 18 months between training sessions” provides reasonable assurance that the licensee can and will take adequate protective measures in the event of a radiological emergency.

4.0 STATE CONSULTATION

In accordance with the Commission's regulations, New York State officials were notified of the proposed issuance of the amendment on February 13, 2018. The New York State official had no comments.

5.0 ENVIRONMENTAL CONSIDERATION

The amendment changes the requirements with respect to how the emergency plan annual training requirements are administered. As such, the amendment relates to recordkeeping, reporting, or administrative procedures or requirements. The NRC staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendment involves no significant hazards consideration, and there has been no public comment on such finding (82 FR 44854; September 26, 2017). Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10)(ii). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendment.

6.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner; (2) there is reasonable assurance that such activities will be conducted in compliance with the Commission's regulations; and (3) the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: Michael Wasem

Date: March 26, 2018

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 JAnderson, NSIR
 MWasim, NSIR

ADAMS Accession No.: ML17289A175

*by e-mail

OFFICE	NRR/DORL/LPL1/PM	NRR/DORL/LPL/LA	NSIR/DPR/RLB/BC*	OGC - NLO
NAME	BVenkataraman	LRonewicz (JBurkhardt for)	JAnderson	MYoung
DATE	02/07/2018	03/06/2018	10/03/2017	03/01/2018
OFFICE	NRR/DORL/LPL1/BC	NRR/DORL/D	NRR/D(A)	NRR/DORL/LPL1/PM
NAME	JDanna	JGitter (KBrock for)	BHolian (MEvans for)	THood
DATE	03/12/2018	03/13/2018	03/21/2018	03/26/2018

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