



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

August 18, 2016

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

SUBJECT: CALVERT CLIFFS UNIT NOS. 1 AND 2 – EXEMPTION RELATED TO THE
UPDATED FINAL SAFETY ANALYSIS REPORT 10 CFR 50.71(e)(4) UPDATE
SCHEDULE (CAC NOS. MF7340 AND MF7341)

Dear Mr. Hanson:

The U.S. Nuclear Regulatory Commission has granted the enclosed exemption from the schedule requirements of Title 10 of the *Code of Federal Regulations* (10 CFR) Section 50.71(e)(4), as requested in your application dated January 29, 2016. Under the requirement of 10 CFR 50.71(e)(4), the revisions to the Updated Final Safety Analysis Report (UFSAR) must be filed annually or 6 months after each refueling outage, provided the interval between successive updates does not exceed 24 months. Calvert Cliffs Nuclear Power Plant (CCNPP) Unit Nos. 1 and 2 share a combined UFSAR. This exemption permits the licensee, Exelon Generation Company, LLC, to file its periodic updates to the CCNPP UFSAR within 6 months following the completion of each CCNPP Unit No. 2 refueling outage, not to exceed 24 months from the last submittal.

A copy of the exemption is enclosed and has been forwarded to the Office of the Federal Register for publication. If you have any questions concerning this evaluation, please contact me at (301) 415-1030 or via e-mail at richard.guzman@nrc.gov.

Sincerely,

Handwritten signature of Richard V. Guzman, followed by the word "for" in cursive.

Richard V. Guzman, Senior Project Manager
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-317 and 50-318

Enclosure:
Exemption

cc w/encl: Distribution via Listserv

NUCLEAR REGULATORY COMMISSION
DOCKET NOS. 50-317 AND 50-318; NRC-2016-XXXX
EXELON GENERATION COMPANY, LLC
CALVERT CLIFFS NUCLEAR POWER PLANT, UNITS 1 AND 2

AGENCY: Nuclear Regulatory Commission.

ACTION: Exemption; issuance.

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC) is issuing an exemption in response to a January 29, 2016, application from Exelon Generation Company, LLC (Exelon), the licensee for Calvert Cliffs Nuclear Power Plant (CCNPP), Units 1 and 2, which requested an exemption from the Updated Final Safety Analysis Report (UFSAR) update schedule requirements of Title 10 of the *Code of Federal Regulations* (10 CFR) Section 50.71(e)(4), for Renewed Facility Operating License Nos. DPR-53 and DPR-69. The NRC staff reviewed this request and is granting an exemption from the requirement that an update to the UFSAR be submitted 6 months after the refueling outage for each unit. The exemption allows the update to the CCNPP UFSAR to be submitted within 6 months following the completion of each CCNPP Unit 2 refueling outage, not to exceed 24 months from the last submittal.

ADDRESSES: Please refer to Docket ID **NRC-2016-XXXX** when contacting the NRC about the availability of information regarding this document. You may obtain publicly-available information related to this document using any of the following methods:

- **Federal Rulemaking Web Site:** Go to <http://www.regulations.gov> and search for Docket ID **NRC-2016-xxxx**. Address questions about NRC dockets to Carol Gallagher; telephone: 301-415-3463; e-mail: Carol.Gallagher@nrc.gov. For technical questions, contact the individual listed in the FOR FURTHER INFORMATION CONTACT section of this document.

- **NRC's Agencywide Documents Access and Management System (ADAMS):**
You may obtain publicly-available documents online in the ADAMS Public Documents collection at <http://www.nrc.gov/reading-rm/adams.html>. To begin the search, select "ADAMS Public Documents" and then select "Begin Web-based ADAMS Search." For problems with ADAMS, please contact the NRC's Public Document Room (PDR) reference staff at 1-800-397-4209, 301-415-4737, or by e-mail to pdr.resource@nrc.gov. The ADAMS accession number for each document referenced (if it available in ADAMS) is provided the first time that a document is referenced.

- **NRC's PDR:** You may examine and purchase copies of public documents at the NRC's PDR, Room O1-F21, One White Flint North, 11555 Rockville Pike, Rockville, Maryland 20852.

FOR FURTHER INFORMATION CONTACT: Richard V. Guzman, Office of Nuclear Reactor Regulation, U.S. Nuclear Regulatory Commission, Washington DC 20555-0001; telephone: 301-415-1030, e-mail: Richard.guzman@nrc.gov.

SUPPLEMENTARY INFORMATION:

I. Background.

CCNPP is a two-unit plant, both units of which share a single UFSAR. A strict interpretation of the language contained in 10 CFR 50.71(e)(4) would require Exelon to update this single UFSAR within 6 months after each unit's refueling outage. In August 1992, the NRC promulgated a rule change entitled "Reducing the Regulatory Burden on Nuclear Licensees," which affected 10 CFR 50.71(e)(4). This rule change was published in the *Federal Register* on August 31, 1992 (57 FR 39358), with an effective date of October 1, 1992, and was intended to provide a reduction in regulatory burden by, in part, providing licensees with the option to submit UFSAR updates once per refueling outage, not to exceed 24 months between successive updates, instead of annually. However, when a single UFSAR is shared between the units of a multi-unit plant and those units have staggered refueling outages (i.e., one unit a year on alternating years), as is the case with CCNPP, 10 CFR 50.71(e)(4) has the net effect of still requiring that the UFSAR be updated annually. Therefore, as written, the burden reduction provided by 10 CFR 50.71(e)(4) of providing licensees with the option to submit UFSAR updates each refueling outage instead of annually can only be realized by single-unit facilities, by multi-unit facilities that maintain separate UFSARs for each unit, or by multi-unit facilities that share a single UFSAR and have non-staggered refueling outages – none of which is the case for CCNPP. Consequently, since CCNPP is a multi-unit facility with a single shared USFAR and a staggered refueling outage schedule, the phrase "each refueling outage" in 10 CFR 50.71(e)(4) does not decrease the regulatory burden on the licensee as was the intent of the rule.

II. Request/Action.

Pursuant to 10 CFR 50.12, "Specific exemptions," the licensee has, by application dated January 29, 2016 (ADAMS Accession No. ML16033A048), requested an exemption from the requirements of 10 CFR 50.71, "Maintenance of records, making of reports," paragraph (e)(4), related to the schedule for submitting periodic updates to the CCNPP UFSAR. Pursuant to 10 CFR 50.12(a), the NRC may, upon application by any interested person or upon its own initiative, grant exemptions from the requirements of the regulations of this part, which are authorized by law, will not present an undue risk to the public health and safety, and are consistent with the common defense and security and when special circumstances are present.

III. Discussion.

Pursuant to 10 CFR 50.12, the NRC may, upon application by any interested person or upon its own initiative, grant exemptions from the requirements of 10 CFR part 50, including 10 CFR 50.71(e)(4) when: (1) the exemptions are authorized by law, will not present an undue risk to the public health or safety, and are consistent with the common defense and security; and (2) when special circumstances are present. Under 10 CFR 50.12(a)(2), special circumstances include, among other things, when application of the specific regulation in the particular circumstances would not serve, or is not necessary to achieve, the underlying purpose of the rule.

Authorized by Law

In accordance with 10 CFR 50.12, the NRC may grant an exemption from the requirements of 10 CFR part 50 if the exemption is authorized by law. The exemption

requested in this instance is authorized by law because no other prohibition of law exists to preclude the activities which would be authorized by the exemption. Additionally, even with the granting of the exemption, the underlying purpose of the regulation will continue to be served. The underlying purpose of 10 CFR 50.71(e)(4) is to ensure that licensees periodically update their UFSARs to assure that the UFSARs remain up-to-date such that they accurately reflect the plant design and operation. The rule does not require that licensees review all of the information contained in the UFSAR for each periodic update. Rather, the intent of the rule is for licensees to update only those portions of the UFSAR that have been affected by licensee activities since the previous update. As required by 10 CFR 50.71(e)(4), UFSAR updates shall be submitted within 6 months after each refueling outage provided that the interval between successive updates does not exceed 24 months. Submitting updates to the single shared CCNPP UFSAR 6 months after the CCNPP Unit 2 refueling outage as proposed and not exceeding 24 months between successive updates continues to meet the intent of the regulation from the perspective of regulatory burden reduction and maintaining UFSAR information up-to-date. Therefore, this exemption request is authorized by law.

No Undue Risk to the Public Health and Safety

The underlying purpose of 10 CFR 50.71(e)(4) is to ensure that licensees periodically update their UFSARs to assure that the UFSARs remain up-to-date such that they accurately reflect the plant design and operation. The NRC has determined by rule that an update frequency not exceeding 24 months between successive updates is acceptable for maintaining UFSAR content up-to-date. The requested exemption provides an equivalent level of protection to the existing requirements because it ensures that updates to the CCNPP UFSAR are submitted with no greater than 24 months between successive updates. The requested exemption also meets the intent of the rule for regulatory burden reduction. Additionally, based

on the nature of the requested exemption and that updates will not exceed 24 months from the last submittal as described above, no new accident precursors are created by the exemption; therefore, neither the probability nor the consequences of postulated accidents are increased. In conclusion, the requested exemption does not result in any undue risk to the public health and safety.

Consistent with the Common Defense and Security

The requested exemption from 10 CFR 50.71(e)(4) would allow Exelon to submit its periodic updates to the CCNPP UFSAR within 6 months following the completion of each CCNPP Unit 2 refueling outage, not to exceed 24 months from the last submittal. Neither the regulation nor the proposed exemption thereto has any relation to security issues. Therefore, the common defense and security is not impacted by the exemption.

Special Circumstances

Special circumstances, in accordance with 10 CFR 50.12(a)(2)(ii), are present whenever application of the regulation in the particular circumstances would not serve the underlying purpose of the rule or is not necessary to achieve the underlying purpose of the rule. As explained above, the rule change promulgated in August 1992 (57 FR 39358, dated August 31, 1992) was intended to provide a reduction in regulatory burden by providing licensees with the option to submit UFSAR updates once per refueling outage, not to exceed 24 months between successive updates, instead of annually. However, as written, this burden reduction can only be realized by single-unit facilities, by multi-unit facilities that maintain separate UFSARs for each unit, or by multi-unit facilities that share a single UFSAR and have non-staggered refueling outages – none of which is the case for CCNPP. Since CCNPP is a dual-unit facility with a single shared UFSAR and staggered refueling outages, the phrase "each refueling outage" in

10 CFR 50.71(e)(4) does not decrease the regulatory burden on the licensee as was the intent of the rule. Therefore, special circumstances exist under 10 CFR 50.12(a)(2)(ii) in that application of the requirements in these particular circumstances would not serve the underlying purpose of the rule and are not necessary to achieve the underlying purpose of the rule.

Environmental Considerations

With respect to its impact on the quality of the human environment, the NRC has determined that the issuance of the exemption discussed herein meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(25). Under 10 CFR 51.22(c)(25), the granting of an exemption from the requirements of any regulation of 10 CFR Chapter I (which includes 10 CFR 50.71(e)(4)) is an action that is a categorical exclusion, provided that:

- (i) There is no significant hazards consideration;
- (ii) There is no significant change in the types or significant increase in the amounts of any effluents that may be released offsite;
- (iii) There is no significant increase in individual or cumulative public or occupational radiation exposure;
- (iv) There is no significant construction impact;
- (v) There is no significant increase in the potential for or consequences from radiological accidents; and
- (vi) The requirements from which an exemption is sought involve:
 - (A) Recordkeeping requirements;
 - (B) Reporting requirements;
 - (C) Inspection or surveillance requirements;
 - (D) Equipment servicing or maintenance scheduling requirements;
 - (E) Education, training, experience, qualification, requalification or other

employment suitability requirements;

(F) Safeguard plans, and materials control and accounting inventory scheduling requirements;

(G) Scheduling requirements;

(H) Surety, insurance or indemnity requirements; or

(I) Other requirements of an administrative, managerial, or organizational nature.

The NRC staff's determination that all of the criteria for this categorical exclusion are met is as follows:

I. 10 CFR 51.22(c)(25)(i): There is no significant hazards consideration.

Staff Analysis: The criteria for determining whether an action involves a significant hazards consideration are found in 10 CFR 50.92. The proposed action involves only a schedule change regarding the submission of an update to the application. Therefore, there are no significant hazard considerations because granting the exemption would not:

(1) Involve a significant increase in the probability or consequences of an accident previously evaluated; or

(2) Create the possibility of a new or different kind of accident from any accident previously evaluated; or

(3) Involve a significant reduction in a margin of safety.

II. 10 CFR 51.22(c)(25)(ii): There is no significant change in the types or significant increase in the amounts of any effluents that may be released offsite.

Staff Analysis: The proposed action involves only a schedule change, which is administrative in nature, and does not involve any changes in the types or significant increase in

the amounts of any effluents that may be released offsite.

III. 10 CFR 51.22(c)(25)(iii): There is no significant increase in individual or cumulative public or occupational radiation exposure.

Staff Analysis: Since the proposed action involves only a schedule change, which is administrative in nature, it does not contribute to any significant increase in occupational or public radiation exposure.

IV. 10 CFR 51.22(c)(25)(iv): There is no significant construction impact.

Staff Analysis: Since the proposed action involves only a schedule change, which is administrative in nature, it does not involve any construction impact.

V. 10 CFR 51.22(c)(25)(v): There is no significant increase in the potential for or consequences from radiological accidents.

Staff Analysis: The proposed action involves only a schedule change, which is administrative in nature and does not impact the potential for or consequences from accidents.

VI. 10 CFR 51.22(c)(25)(vi): The requirements from which the exemption is sought involve scheduling requirements and other requirements of an administrative, managerial, or organizational nature.

Staff Analysis: The proposed action involves scheduling requirements and other requirements of an administrative, managerial, or organizational nature because it is associated with the submittal schedule requirements contained in 10 CFR 50.71(e)(4), which stipulate that revisions to the UFSAR must be filed annually or 6 months after each refueling outage provided the interval between successive updates does not exceed 24 months.

Based on the above, the NRC staff concludes that the proposed exemption meets the eligibility criteria for the categorical exclusion set forth in 10 CFR 51.22(c)(25). Therefore, in accordance with 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the NRC's issuance of this exemption.

IV. Conclusions.

The NRC has determined that, pursuant to 10 CFR 50.12, the exemption is authorized by law, will not present an undue risk to the public health and safety, and is consistent with the common defense and security. Also, special circumstances pursuant to 10 CFR 50.12(a)(2)(ii) are present. Therefore, the NRC hereby grants Exelon an exemption from the requirements of 10 CFR 50.71(e)(4) to allow Exelon to file its periodic updates to the CCNPP UFSAR within 6 months following the completion of each CCNPP Unit 2 refueling outage, not to exceed 24 months from the last submittal.

This exemption is effective upon issuance.

Dated at Rockville, Maryland, this 18th Day of August 2016.

FOR THE NUCLEAR REGULATORY COMMISSION



Anne T. Boland, Director
Division of Operating Reactor Licensing,
Office of Nuclear Reactor Regulation

August 18, 2016

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

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Sincerely,
/RA BVenkataraman for/

Richard V. Guzman, Senior Project Manager
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-317 and 50-318

Enclosure:
Exemption

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