



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

January 30, 2020

Ms. Cheryl A. Gayheart  
Regulatory Affairs Director  
Southern Nuclear Operating Co., Inc.  
3535 Colonnade Parkway  
Birmingham, AL 35243

SUBJECT: EDWIN I. HATCH NUCLEAR PLANT, UNIT NOS. 1 AND 2 - EXEMPTION  
FROM THE REQUIREMENTS OF 10 CFR PART 50, SECTION 50.71(e)(4),  
FINAL SAFETY ANALYSIS REPORT UPDATE SCHEDULE  
(EPID L-2019-LLE-0030)

Dear Ms. Gayheart:

The U.S. Nuclear Regulatory Commission has approved the enclosed exemption from specific requirements of Title 10 of the *Code of Federal Regulations* (10 CFR), Part 50, Section 50.71(e)(4), for the Edwin I. Hatch Nuclear Plant (HNP), Units 1 and 2. This action is in response to your application dated December 16, 2019 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML19350C266), that requested an exemption to allow periodic updates of the HNP, Units 1 and 2, Updated Final Safety Analysis Reports by August 31, of every even-numbered year and not to exceed 24-months between successive updates.

A copy of the exemption is enclosed. The exemption has been forwarded to the Office of the Federal Register for publication.

Sincerely,

/RA/

John G. Lamb, Senior Project Manager  
Plant Licensing Branch II-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-321 and 50-366

Enclosure:  
Exemption

cc: Listserv

**ENCLOSURE**

**EXEMPTION**

**NUCLEAR REGULATORY COMMISSION**

**Docket Nos. 50-321 and 50-366**

**Southern Nuclear Operating Company**

**Edwin I. Hatch Nuclear Plant, Units 1 and 2**

**Exemption**

**I. Background.**

Southern Nuclear Operating Company (SNC, the licensee) is the holder of Facility Operating License Nos. DPR-57 and NPF-5, for the Edwin I. Hatch Nuclear Plant (HNP), Units 1 and 2, respectively. The licenses provide, among other things, that the licensee is subject to all rules, regulations, and orders of the Commission now or hereafter in effect.

The HNP facility consists of two boiling-water reactors located at the licensee's site in Appling County, Georgia.

**II. Request/Action.**

Title 10 of the *Code of Federal Regulations* (10 CFR), Section 50.71, "Maintenance of records, making of reports," paragraph (e)(4) states, in part, that "Subsequent revisions [to the Updated Final Safety Analysis Report (UFSAR)] must be filed annually or 6 months after each refueling outage provided that the interval between successive updates [to the UFSAR] does not exceed 24 months." By letter dated December 16, 2019 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML19350C266), SNC requested that the due date for submittal of HNP, Unit 1, and HNP, Unit 2, UFSARs be by August 31 of every even-numbered year, provided the interval between successive updates does not exceed 24 months.

### **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.

#### **A. The Exemption is 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 intervals between

successive updates do not exceed 24 months. Submitting updates to the HNP, Units 1 and 2, UFSARs by August 31 of even-numbered years 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.

**B. The Exemption Presents no Undue Risk to 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 HNP, Units 1 and 2, UFSARs 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 the fact 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.

**C. The Exemption is Consistent with the Common Defense and Security.**

The requested exemption from 10 CFR 50.71(e)(4) would allow SNC to submit its periodic updates to the HNP, Units 1 and 2, UFSARs by August 31 of even-numbered years, and not to exceed 24 months from the last submittal. Neither the regulation nor the proposed exemption has any relation to security issues. Therefore, the common defense and security is not impacted by the exemption.

**D. 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. The rule change promulgated in August 1992 (57 FR 39358; 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. HNP is a two-unit plant, with different refueling outage schedules, and each unit has its own UFSAR. However, the Unit 1 UFSAR extensively references the Unit 2 UFSAR. Therefore, the Unit 1 UFSAR cannot stand alone and the two UFSARs effectively function as a common UFSAR, such that a single schedule for UFSAR updates is appropriate. Therefore, special circumstances exist under 10 CFR 50.12(a)(2)(ii) in that application of the requirements of 10 CFR 50.71(e)(4) in these particular circumstances would not serve the underlying purpose of the rule and is not necessary to achieve the underlying purpose of the rule.

## **E. 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 qualifies for a categorical exclusion.

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 UFSAR. 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.



**NUCLEAR REGULATORY COMMISSION**

**Docket Nos. 50-321 and 50-366**

**Southern Nuclear Operating Company**

**Edwin I. Hatch Nuclear Plant, Units 1 and 2**

**Exemption**

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**II. Request/Action.**

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### **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.

#### **A. The Exemption is 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 intervals between

successive updates do not exceed 24 months. Submitting updates to the HNP, Units 1 and 2, UFSARs by August 31 of even-numbered years 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.

**B. The Exemption Presents no Undue Risk to 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 HNP, Units 1 and 2, UFSARs 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 the fact 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.

**C. The Exemption is Consistent with the Common Defense and Security.**

The requested exemption from 10 CFR 50.71(e)(4) would allow SNC to submit its periodic updates to the HNP, Units 1 and 2, UFSARs by August 31 of even-numbered years, and not to exceed 24 months from the last submittal. Neither the regulation nor the proposed exemption has any relation to security issues. Therefore, the common defense and security is not impacted by the exemption.

**D. 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. The rule change promulgated in August 1992 (57 FR 39358; 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. HNP is a two-unit plant, with different refueling outage schedules, and each unit has its own UFSAR. However, the Unit 1 UFSAR extensively references the Unit 2 UFSAR. Therefore, the Unit 1 UFSAR cannot stand alone and the two UFSARs effectively function as a common UFSAR, such that a single schedule for UFSAR updates is appropriate. Therefore, special circumstances exist under 10 CFR 50.12(a)(2)(ii) in that application of the requirements of 10 CFR 50.71(e)(4) in these particular circumstances would not serve the underlying purpose of the rule and is not necessary to achieve the underlying purpose of the rule.

## **E. 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 qualifies for a categorical exclusion.

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 UFSAR. Therefore, there are no significant hazard considerations because granting the exemption would not:

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

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

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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.**

Accordingly, 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 SNC an exemption from the requirements of 10 CFR 50.71(e)(4) to allow SNC to file its periodic updates to the HNP, Units 1 and 2, UFSAR by August 31 of even-numbered years, and not to exceed 24 months from the last submittal.

Dated at Rockville, Maryland, this 30th day of January, 2020

For the Nuclear Regulatory Commission.

**/RA/**

Craig G. Erlanger, Director,  
Division of Operating Reactor Licensing,  
Office of Nuclear Reactor Regulation.

SUBJECT: EDWIN I. HATCH NUCLEAR PLANT, UNIT NOS. 1 AND 2 - EXEMPTION  
FROM THE REQUIREMENTS OF 10 CFR PART 50, SECTION 50.71(e)(4),  
FINAL SAFETY ANALYSIS REPORT UPDATE SCHEDULE  
(EPID L-2019-LLE-0030) DATED JANUARY 30, 2020

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\*via e-mail

NRR-042

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NAME	MMarkley	CErlanger	JLamb
DATE	1/28/2020	1/30/2020	1/30/2020

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