



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

August 4, 2021

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

SUBJECT: JOSEPH M. FARLEY NUCLEAR PLANT, UNITS 1 AND 2; AND VOGTLE  
ELECTRIC GENERATING PLANT, UNITS 1 AND 2 - EXEMPTIONS FROM THE  
REQUIREMENTS OF 10 CFR PART 50, SECTION 50.71(e)(4), FINAL SAFETY  
ANALYSIS REPORT UPDATE SCHEDULE (EPID L-2021-LLE-0031)

Dear Ms. Gayheart:

The U.S. Nuclear Regulatory Commission has approved the enclosed exemptions from specific requirements of Title 10 of the *Code of Federal Regulations* (10 CFR), Part 50, Section 50.71(e)(4), for the Joseph M. Farley Nuclear Plant (Farley), Units 1 and 2; and Vogtle Electric Generating Plant (Vogtle), Units 1 and 2. This action is in response to your application dated June 9, 2021, that requested exemptions to allow periodic updates of the Farley Updated Final Safety Analysis Reports (UFSAR) by October 31 of every odd-numbered year and not to exceed 24-months between successive updates, and to allow periodic updates of the Vogtle UFSAR by October 31 of every even-numbered year and not to exceed 24-months between successive updates.

A copy of the exemptions is enclosed. The exemptions have 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. 50-348, 50-364, 50-424,  
and 50-425

Enclosure:  
Exemption

cc: Listserv

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[Name], OEDO

**ADAMS Accession Nos. LTR ML21179A204; FRN ML21179A185; Exemption ML21179A176**

OFFICE	NRR/DORL/LPL2-1/PM	NRR/DORL/LPL2-1/LA	OGC - NLO
NAME	JLamb	KGoldstein	STurk
DATE	6/26/2021	06/28/2021	7/19/2021
OFFICE	NRR/DORL/LPL2-1/BC	NRR/DORL/DD	NRR/DORL/LPL2-1/PM
NAME	MMarkley	CCarusone	JLamb
DATE	7/29/2021	8/4/2021	8/4/2021

**OFFICIAL RECORD COPY**

**ENCLOSURE**

**EXEMPTION**

**NUCLEAR REGULATORY COMMISSION**

**[Docket Nos. 50-348, 50-364; and 50-424, 50-425; NRC-2021-0139]**

**Southern Nuclear Operating Company**

**Joseph M. Farley Nuclear Plant, Units 1 and 2**

**Vogtle Electric Generating Plant, Units 1 and 2**

**I. Background**

Southern Nuclear Operating Company (SNC, the licensee) is the holder of Facility Operating License Nos. NPF-2, NPF-8, NPF-68, and NPF-81, for the Joseph M. Farley Nuclear Plant (Farley), Units 1 and 2; and the Vogtle Electric Generating Plant (Vogtle), 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 Farley, Units 1 and 2; and Vogtle, Units 1 and 2, facilities consist of two pressurized-water reactors located at each of the licensee's sites in Houston County, Alabama, and Burke County, Georgia, respectively.

**II. Request/Action**

In accordance with Section 50.71 of title 10 of the *Code of Federal Regulations* (10 CFR), "Maintenance of records, making of reports," paragraph (e)(4) states, in part, that "Subsequent revisions [to the Updated Final Safety Analysis Report (UFSAR) submitted as part of the original license application] must be filed annually or 6 months after each refueling outage provided the interval between successive updates [to the UFSAR] does not exceed 24 months." By letter dated June 9, 2021 ADAMS Accession No. ML21160A156), SNC requested that the due date for submittal of the Farley, Units 1

and 2, UFSAR be by October 31 of every odd-numbered year, provided the interval between successive updates does not exceed 24 months, and that the due date for submittal of the Vogtle, Units 1 and 2, UFSAR be by October 31 of every even-numbered year, provided the interval between successive updates does not exceed 24 months.

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 and safety, and are consistent with the common defense and security; and (2) special circumstances are present. Under 10 CFR 50.12(a)(2), special circumstances include, among other things, whenever application of the regulation in the particular circumstances would not serve, or is not necessary to achieve, the underlying purpose of the rule.

### **III. Discussion**

#### **The Exemption is Authorized by Law**

The regulation at 10 CFR 50.71(e)(4) requires revisions to UFSARs to be filed annually or six months after each refueling outage, provided the interval between successive updates does not exceed 24 months. The underlying purpose of the regulation is to ensure that the licensee periodically updates its UFSAR so that the UFSAR remains up-to-date and accurately reflects the plant design and operation. The proposed exemptions would change the current UFSAR submittal schedule for Farley, Units 1 and 2, and Vogtle, Units 1 and 2, to a calendar-based schedule that would not exceed the maximum 24 months between successive updates as required by 10 CFR 50.71(e)(4). Submitting the UFSAR updates for Farley, Units 1 and 2; and Vogtle, Units 1 and 2, as proposed by October 31 of the odd year and by October 31 of the even year, respectively, continues to meet the intent of the regulation and

maintaining UFSAR information up-to-date. The NRC staff has determined that granting the licensee's proposed exemptions will not result in a violation of the Atomic Energy Act of 1954, as amended, or the Commission's regulations. Therefore, the exemptions are authorized by law.

### **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 so that the UFSARs remain up-to-date and 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 up to date UFSAR content. Farley, Units 1 and 2, were granted an exemption dated July 7, 1998 (ADAMS Accession No. ML013130216), that allowed the licensee to submit a unified UFSAR update for both units every 18 months, not to exceed 24 months from the last submittal. Vogtle, Units 1 and 2, were granted an exemption dated March 5, 1998 (ADAMS Accession No. ML012410088), that allowed the licensee to submit a unified UFSAR update for both units every 18 months, not to exceed 24 months from the last submittal. While the regulation requires, in part, that UFSAR updates be submitted "annually or 6 months after each refueling outage," it allows the submission of such updates on a different schedule, "provided the interval between successive updates does not exceed 24 months." The requested exemptions also meet the intent of the rule for regulatory burden reduction. Additionally, based on the nature of the requested exemptions and the requirement that updates will not exceed 24 months from the last submittal as described above, no new accident precursors are created by the exemptions; therefore, neither the probability nor the consequences of postulated accidents are increased. In conclusion, the requested exemptions do not result in any undue risk to the public health and safety.

### **The Exemption is Consistent with the Common Defense and Security**

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

### **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. Currently, Farley, Units 1 and 2, and Vogtle, Units 1 and 2, submit a combined UFSAR for each site every 18 months, not to exceed 24 months from the last submittal. The processing and submittal of the UFSAR every 18 months is not necessary to achieve the underlying purpose of the rule in that the licensee continues to meet the maximum 24-month interval between submittals as required by the regulation. 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 the impact of the exemptions on the quality of the human environment, the NRC has determined that the issuance of the exemptions discussed

herein meets the eligibility criteria for categorical exclusion from the requirement to prepare an environmental assessment or environmental impact statement, 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 certain specified criteria are met. The basis for NRC's determination is provided in the following evaluation of the requirements in 10 CFR 51.22(c)(25)(i)-(vi).

Requirements in 10 CFR 51.22(c)(25)(i):

To qualify for a categorical exclusion under 10 CFR 51.22(c)(25)(i), the exemption must involve no significant hazards consideration. 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. As set forth in that regulation, there are no significant hazard considerations because granting the exemptions 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.

Requirements in 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. The proposed action involves only a schedule change, which is administrative in nature, and does not involve any changes in the types or increase in the amounts of any effluents that may be released offsite.

Requirements in 10 CFR 51.22(c)(25)(iii):

There is no significant increase in individual or cumulative public or occupational radiation exposure. Since the proposed action involves only a schedule change, which

is administrative in nature, it does not contribute to any significant increase in individual or cumulative public or occupational radiation exposures.

Requirements in 10 CFR 51.22(c)(25)(iv):

There is no significant construction impact. Since the proposed action involves only a schedule change related to the timing for submittal of UFSAR updates, which is administrative in nature, it does not involve any construction impact.

Requirements in 10 CFR 51.22(c)(25)(v):

There is no significant increase in the potential for or consequences from radiological accidents. The proposed action involves only a schedule change related to the timing for submittal of UFSAR updates, which is administrative in nature and does not impact the potential for or consequences from radiological accidents.

Requirements in 10 CFR 51.22(c)(25)(vi):

The requirements from which the exemption is sought involve recordkeeping, reporting, scheduling, or other requirements of an administrative, managerial, or organizational nature. The proposed action involves recordkeeping, reporting, and scheduling requirements, and other requirements of an administrative, managerial, or organizational nature because it is associated with the schedule for submittal of UFSAR updates pursuant to 10 CFR 50.71(e)(4), and meets that regulation's requirement that the interval between successive updates does not exceed 24 months.

Based on the above, the NRC staff concludes that the proposed exemptions meet 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 these exemptions.

#### **IV. Conclusions**

Accordingly, the Commission has determined that, pursuant to 10 CFR Part 50.12, the requested exemptions are authorized by law, will not present an undue risk to public health and safety, and are 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 Farley, Units 1 and 2, UFSAR by October 31 of odd-numbered years, not to exceed 24 months from the last submittal, and to the Vogtle, Units 1 and 2, UFSAR by October 31 of even-numbered years, not to exceed 24 months from the last submittal.

The exemptions are effective upon issuance.

Dated: August 4, 2021.

For the Nuclear Regulatory Commission.



Caroline L. Carusone, Deputy Director,  
Division of Operating Reactor Licensing,  
Office of Nuclear Reactor Regulation.