

## NUCLEAR REGULATORY COMMISSION

[Docket Nos. 52–025 and 52–026; NRC–2008–0252]

### Southern Nuclear Operating Company, Inc., Vogtle Electric Generating Plant, Units 3 and 4; Automatic Depressurization System (ADS) and Core Makeup Tank (CMT) Design Parameters

**AGENCY:** Nuclear Regulatory Commission.

**ACTION:** Exemption and combined license amendment; issuance.

**SUMMARY:** The U.S. Nuclear Regulatory Commission (NRC) is granting an exemption to allow a departure from the certification information of Tier 1 of the generic design control document (DCD) and is issuing License Amendment Nos. 176 and 175 to Combined Licenses (COL), NPF–91 and NPF–92, respectively. The COLs were issued to Southern Nuclear Operating Company, Inc., and Georgia Power Company, Oglethorpe Power Corporation, MEAG Power SPVM, LLC, MEAG Power SPVJ, LLC, MEAG Power SPVP, LLC, and the City of Dalton, Georgia (collectively SNC); for construction and operation of the Vogtle Electric Generating Plant (VEGP) Units 3 and 4, located in Burke County, Georgia.

The granting of the exemption allows the changes to Tier 1 information asked for in the amendment. Because the acceptability of the exemption was determined in part by the acceptability of the amendment, the exemption and amendment are being issued concurrently.

**DATES:** The exemption and amendment were issued on March 11, 2020.

**ADDRESSES:** Please refer to Docket ID NRC–2008–0252 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 Website:* Go to <https://www.regulations.gov> and search for Docket ID NRC–2008–0252. Address questions about NRC dockets in *Regulations.gov* to Jennifer Borges; telephone: 301–287–9127; email: [Jennifer.Borges@nrc.gov](mailto:Jennifer.Borges@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

<https://www.nrc.gov/reading-rm/adams.html>. To begin the search, 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 email to [pdr.resource@nrc.gov](mailto:pdr.resource@nrc.gov). The ADAMS accession number for each document referenced (if it is available in ADAMS) is provided the first time that it is mentioned in this document. The request for the amendment and exemption was designated License Amendment Request (LAR) 19–009 and submitted by letter dated September 30, 2019, and supplemented by letter dated December 19, 2019 (ADAMS Accession Nos. ML19273A953 and ML19353B752).

- *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:** Alina Schiller, Office of Nuclear Reactor Regulation, U.S. Nuclear Regulatory Commission, Washington, DC 20555–0001; telephone: 301–415–8177; email: [Alina.Schiller@nrc.gov](mailto:Alina.Schiller@nrc.gov).

#### SUPPLEMENTARY INFORMATION:

##### I. Introduction

The NRC is issuing License Amendment Nos. 176 and 175 to COLs NPF–91 and NPF–92, respectively, and is granting an exemption from Tier 1 information in the plant-specific DCD for the AP1000. The AP1000 DCD is incorporated by reference in Appendix D, “Design Certification Rule for the AP1000,” to part 52 of title 10 of the *Code of Federal Regulations* (10 CFR). The exemption, granted pursuant to paragraph A.4 of section VIII, “Processes for Changes and Departures,” of 10 CFR part 52, Appendix D, allows the licensee to depart from the Tier 1 information. With the requested amendment, SNC sought proposed changes to revise automatic depressurization system (ADS) and core makeup tank (CMT) parameters. Specifically, the requested amendment required changes to reflect revisions in the design parameters of: (a) The maximum stroke times for the ADS Stage 1, 2, and 3 valves; (b) the minimum effective flow areas for the ADS Stage 2 and 3 valves; and (c) the CMT minimum volume.

Part of the justification for granting the exemption was provided by the review of the amendment. Because the exemption is necessary in order to issue the requested license amendment, the NRC granted the exemption and issued the amendment concurrently, rather

than in sequence. This included issuing a combined safety evaluation containing the NRC staff’s review of both the exemption request and the license amendment. The exemption met all applicable regulatory criteria set forth in sections 50.12, 52.7, and section VIII.A.4 of Appendix D to 10 CFR part 52. The license amendment was found to be acceptable as well. The combined safety evaluation is available in ADAMS under Accession No. ML20049A808.

Identical exemption documents (except for referenced unit numbers and license numbers) were issued to SNC for VEGP Units 3 and 4 (COLs NPF–91 and NPF–92). The exemption documents for VEGP Units 3 and 4 can be found in ADAMS under Accession Nos. ML20049A734 and ML20049A747, respectively. The exemption is reproduced (with the exception of abbreviated titles and additional citations) in Section II of this document. The amendment documents for COLs NPF–91 and NPF–92 are available in ADAMS under Accession Nos. ML20049A761 and ML20049A788, respectively. A summary of the amendment documents is provided in Section III of this document.

##### II. Exemption

Reproduced below is the exemption document issued to VEGP Units 3 and 4. It makes reference to the combined safety evaluation that provides the reasoning for the findings made by the NRC (and listed under Item 1) in order to grant the exemption:

1. In a letter dated September 30, 2019, as supplemented by letter dated December 19, 2019, Southern Nuclear Operating Company (SNC) requested from the Nuclear Regulatory Commission (NRC or Commission) an exemption to allow departures from Tier 1 information in the certified Design Control Document (DCD) incorporated by reference in 10 CFR part 52, appendix D, “Design Certification Rule for the AP1000 Design,” as part of license amendment request (LAR) 19–009, “Automatic Depressurization System (ADS) and Core Makeup Tank (CMT) Design Parameters.”

For the reasons set forth in Section 3.2 of the NRC staff’s Safety Evaluation that supports this license amendment, which can be found at Agencywide Documents Access and Management System (ADAMS) Accession Number ML20049A808, the Commission finds that:

- A. the exemption is authorized by law;
- B. the exemption presents no undue risk to public health and safety;

C. the exemption is consistent with the common defense and security;

D. special circumstances are present in that the application of the rule in this circumstance is not necessary to serve the underlying purpose of the rule;

E. the special circumstances outweigh any decrease in safety that may result from the reduction in standardization caused by the exemption; and

F. the exemption will not result in a significant decrease in the level of safety otherwise provided by the design.

2. Accordingly, SNC is granted an exemption from the certified DCD Tier 1 information, with corresponding changes to Appendix C of the facility Combined License, as described in the licensee's request dated September 30, 2019, and as supplemented by letter dated December 19, 2019. This exemption is related to, and necessary for, the granting of License Amendment No. 176 [for Unit 3, No. 175 for Unit 4], which is being issued concurrently with this exemption.

3. As explained in Section 5.0 of the NRC staff's Safety Evaluation (ADAMS Accession No. ML20049A808), this exemption meets the eligibility criteria for a categorical exclusion set forth in 10 CFR 51.22(c)(9). Therefore, pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment needs to be prepared in connection with the issuance of the exemption.

4. This exemption is effective as of the date of its issuance.

### III. License Amendment Request

By letter dated September 30, 2019 (ADAMS Accession No. ML19273A953), as supplemented by letter dated December 19, 2019 (ADAMS Accession No. ML19353B752), SNC requested that the NRC amend the COLs for VEGP, Units 3 and 4, COLs NPF-91 and NPF-92. The proposed amendment is described in Section I of this **Federal Register** notice.

The Commission has determined for these amendments that the application complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment.

A notice of consideration of issuance of amendment to facility operating license or COL, as applicable, proposed no significant hazards consideration determination, and opportunity for a hearing in connection with these actions, was published in the **Federal**

**Register** on December 3, 2019 (84 FR 66234). No comments were received during the 30-day comment period.

The Commission has determined that these amendments satisfy the criteria for categorical exclusion in accordance with 10 CFR 51.22. Therefore, pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need to be prepared for these amendments.

### IV. Conclusion

Using the reasons set forth in the combined safety evaluation, the staff granted the exemptions and issued the amendments that SNC requested on September 30, 2019. The exemptions and amendments were issued on March 11, 2020, as part of a combined package to SNC (ADAMS Accession No. ML20049A655).

Dated at Rockville, Maryland, this 16th day of March 2020.

For the Nuclear Regulatory Commission.

**Victor E. Hall,**

*Chief, Vogtle Project Office, Office of Nuclear Reactor Regulation.*

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## NUCLEAR REGULATORY COMMISSION

[NRC-2020-0076]

### Volcanic Hazards Assessment for Proposed New and Advanced Nuclear Power Plants

**AGENCY:** Nuclear Regulatory Commission.

**ACTION:** Draft regulatory guide; request for comment.

**SUMMARY:** The U.S. Nuclear Regulatory Commission (NRC) is issuing for public comment draft regulatory guide (DG), DG-4028, "Volcanic Hazards Assessment for Proposed Nuclear Power Reactor Sites." This DG proposes new guidance for facilitating NRC staff reviews of volcanic hazard assessments performed by applicants to support the siting and licensing of new nuclear power reactors. The DG also provides applicants with the methods and approaches the NRC staff considers acceptable for the assessment of volcanic hazards in license applications.

**DATES:** Submit comments by May 19, 2020. Comments received after this date will be considered if it is practical to do so, but the NRC is able to ensure consideration only for comments received on or before this date.

Although a time limit is given, comments and suggestions in

connection with items for inclusion in guides currently being developed or improvements in all published guides are encouraged at any time.

**ADDRESSES:** You may submit comments by any of the following methods:

- *Federal Rulemaking Website:* Go to <https://www.regulations.gov> and search for Docket ID NRC-2020-0076. Address questions about NRC dockets IDs in *Regulations.gov* to Jennifer Borges; telephone: 301-287-9127; email: [Jennifer.Borges@nrc.gov](mailto:Jennifer.Borges@nrc.gov). For technical questions, contact the individuals listed in the **FOR FURTHER INFORMATION CONTACT** section of this document.

- *Mail comments to:* Office of Administration, Mail Stop: TWFN-7-A60M, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, ATTN: Program Management, Announcements and Editing Staff.

For additional direction on obtaining information and submitting comments, see "Obtaining Information and Submitting Comments" in the **SUPPLEMENTARY INFORMATION** section of this document.

**FOR FURTHER INFORMATION CONTACT:**

Jenise Thompson, Office of Nuclear Reactor Regulation, telephone: 301-415-1811, email: [Jenise.Thompson@nrc.gov](mailto:Jenise.Thompson@nrc.gov); and Edward O'Donnell, Office of Nuclear Regulatory Research, telephone: 301-415-3317, email: [Edward.ODonnell@nrc.gov](mailto:Edward.ODonnell@nrc.gov). Both are staff of the U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

**SUPPLEMENTARY INFORMATION:**

**I. Obtaining Information and Submitting Comments**

*A. Obtaining Information*

Please refer to Docket ID NRC-2020-0076 when contacting the NRC about the availability of information for this action. You may obtain publicly-available information related to this action by any of the following methods:

- *Federal Rulemaking Website:* Go to <https://www.regulations.gov> and search for Docket ID NRC-2020-0076.

- *NRC's Agencywide Documents Access and Management System (ADAMS):* You may obtain publicly-available documents online in the ADAMS Public Documents collection at <https://www.nrc.gov/reading-rm/adams.html>. To begin the search, 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 email to [pdr.resource@nrc.gov](mailto:pdr.resource@nrc.gov). The DG-4028 is available in ADAMS under Accession No.