

**NUCLEAR REGULATORY COMMISSION**

**[Docket Nos. 52-027 and 52-028; NRC-2008-0441]**

**Virgil C. Summer Nuclear Station, Units 2 and 3;**

**South Carolina Electric & Gas Company;**

**South Carolina Public Service Authority**

**Relocation of Air Cooled Chiller Pump 3, VWS-MP-03**

**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 AP1000 design control document (DCD) and is issuing License Amendment No. 62 to Combined Licenses (COL), NPF-93 and NPF-94. The COLs were issued to South Carolina Electric & Gas Company and the South Carolina Public Service Authority, (both collectively referred to as the licensee) for construction and operation of the Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3, located in Fairfield County, South Carolina.

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 1, 2017.

**ADDRESSES:** Please refer to Docket ID NRC-2008-0441 when contacting the NRC about the availability of information regarding this document. You may access information related to this document, which the NRC possesses and is publicly available, using any of the following methods:

- **Federal Rulemaking Web site:** Go to <http://www.regulations.gov> and search for Docket ID NRC-2008-0252. Address questions about NRC dockets to Carol Gallagher; telephone: 301-415-3463; e-mail: [Carol.Gallagher@nrc.gov](mailto: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](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 submitted by letter dated October 21, 2015 (ADAMS Accession No. ML16246A214), and supplemented by letters dated March 31 and July 14, 2016 (ADAMS Accession Nos. ML16091A380 and ML16196A354).

- **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:** William C. Gleaves, Office of New Reactors, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001; telephone: 301-415-5848; e-mail: [Bill.Gleaves@nrc.gov](mailto:Bill.Gleaves@nrc.gov).

## **SUPPLEMENTARY INFORMATION:**

### **I. Introduction**

The NRC is granting an exemption from Paragraph B of Section III, "Scope and Contents," of appendix D, "Design Certification Rule for the AP1000," to part 52 of title 10 of the *Code of Federal Regulations* (10 CFR), and issuing License Amendment No. 64 to COLs, NPF-93 and NPF-94, to the licensee. The exemption is required by Paragraph A.4 of Section VIII, "Processes for Changes and Departures," of appendix D, to 10 CFR part 52 to modify the design of the low capacity Central Chilled Water Subsystem (VWS) by relocating Air Cooled Chiller Pump 3 and its associated equipment, including a new chemical feed tank, from the Auxiliary Building to the Annex Building. The LAR consists of changes to the Updated Final Safety Analysis Report (UFSAR) in the form of departures from the incorporated generic AP1000 Design Control Document (DCD) Tier 2 and Tier 2\* information and changes to Tier 1 information, with corresponding changes to the associated COL Appendix C information.

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 10 CFR 50.12, and 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. ML17031A116.

Identical exemption documents (except for referenced unit numbers and license numbers) were issued to the licensee for VCSNS Units 2 and 3 (COLs NPF-93 and NPF-94). The exemption documents for VCSNS Units 2 and 3 can be found in ADAMS under Accession

Nos. ML17031A106 and ML17031A113, 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-93 and NPF-94 are available in ADAMS under Accession Nos. ML17031A098 and ML17031A104, 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 VCSNS Units 2 and Unit 3. 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 October 21, 2015, as supplemented by letters dated March 31 and July 14, 2016, South Carolina Electric & Gas Company on behalf of itself and the South Carolina Public Service Authority (both hereafter called the licensee) 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 Title 10 of the *Code of Federal Regulations* (10 CFR) Part 52, Appendix D, "Design Certification Rule for the AP1000 Design," as part of license amendment request (LAR) 13-31, "Relocation of Air Cooled Chiller Pump 3."

For the reasons set forth in Section 3.1 of the NRC staff's Safety Evaluation, which can be found at ADAMS Accession Number ML17031A116, 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, the licensee is granted an exemption from the certified DCD Tier 1 information, with corresponding changes to Appendix C of the Facility Combined Licenses as described in the licensee's request dated October 21, 2015, as supplemented by letters dated March 31 and July 14, 2016. This exemption is related to, and necessary for, the granting of License Amendment No. 62, which is being issued concurrently with this exemption.

3. As explained in Section 5.0 of the NRC staff's Safety Evaluation (ADAMS Accession Number ML17031A116), this exemption meets the eligibility criteria for 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 October 21, 2015 (ADAMS Accession No. ML15295A090), supplemented by letters dated March 31 and July 14, 2016 (ADAMS Accession Nos. ML16091A380 and ML16196A354, respectively), the licensee requested that the NRC amend the COLs for VCSNS, Units 2 and 3, COLs NPF-93 and NPF-94. 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 January 19, 2016 (81 FR 2915). 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 be prepared for these amendments.

#### **IV. Conclusion**

Using the reasons set forth in the combined safety evaluation, the staff granted the exemption and issued the amendment that the licensee requested on March 1, 2017. The exemption and amendment were also issued on March 1, 2017, as part of a combined package to the licensee (ADAMS Accession No. ML17031A088).

Dated at Rockville, Maryland, this 21<sup>st</sup> day of April 2017.

For the Nuclear Regulatory Commission.

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