

Vogtle PEmails

From: Kallan, Paul
Sent: Monday, September 18, 2017 10:05 AM
To: Vogtle PEmails
Subject: Acceptance Letter for Vogtle LAR 17-023
Attachments: Acceptance Letter for Vogtle for Improvements to Main Control Room (MCR) Post-Accident Radiological Consequences (CAC RP9638).docx

Paul Kallan

Office of New Reactors
Division of New Reactor Licensing
Licensing Branch 4
Tel: (301) 415-2809
Paul.Kallan@nrc.gov

Hearing Identifier: Vogtle_COL_Docs_Public
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Subject: Acceptance Letter for Vogtle LAR 17-023
Sent Date: 9/18/2017 10:04:55 AM
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From: Kallan, Paul

Created By: Paul.Kallan@nrc.gov

Recipients:
"Vogtle PEmails" <Vogtle.PEmails@nrc.gov>
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MESSAGE	199	9/18/2017 10:04:56 AM
Acceptance Letter for Vogtle for Improvements to Main Control Room (MCR) Post-Accident Radiological Consequences (CAC RP9638).docx		33476

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Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

September 18, 2017

Mr. Brian H. Whitley, Director
Regulatory Affairs
Southern Nuclear Operating Company, Inc.
42 Inverness Center Parkway
BIN B237
Birmingham, AL 35242

SUBJECT: ACCEPTANCE REVIEW OF SOUTHERN NUCLEAR OPERATING COMPANY'S
REQUEST FOR LICENSE AMENDMENT (LAR 17-023) AND EXEMPTION FOR
THE VOGTLE ELECTRIC GENERATING PLANT UNITS 3 AND 4:
IMPROVEMENTS TO MAIN CONTROL ROOM (MCR) POST-ACCIDENT
RADIOLOGICAL CONSEQUENCES (CAC NO. RP9638)

Dear Mr. Whitley:

By letter dated August 31, 2017 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML17243A351, Southern Nuclear Operating Company (SNC) submitted a request for a license amendment and an exemption to Combined License (COL) Numbers NPF-91 and NPF-92, for the Vogtle Electric Generating Plant (VEGP) Units 3 and 4, respectively. The requested amendment proposes to depart from Tier 2 information in the Updated Final Safety Analysis Report (UFSAR) (which includes the plant-specific DCD Tier 2 information) and involves related changes to plant-specific Tier 1 (and associated COL Appendix C) information, and COL Appendix A Technical Specifications. Specifically, the requested amendment proposes changes to the plant-specific nuclear island non-radioactive ventilation system (VBS), the main control room emergency habitability system (VES), and post-accident operator dose analyses. These changes are proposed to maintain compliance with General Design Criterion (19), which requires that main control room (MCR) personnel dose does not exceed 5 rem total effective dose equivalent (TEDE) for the duration of a design basis accident (DBA).

SNC has also requested an exemption from the provisions of Title 10 of the *Code of Federal Regulations* (10 CFR) Part 52, Appendix D, Section III.B, "Design Certification Rule for the AP1000 Design, Scope and Contents," to allow a departure from the elements of the certification information in Tier 1 of the generic Design Control Document.

The purpose of this letter is to provide the results of the U.S. Nuclear Regulatory Commission (NRC) staff's acceptance review of the LAR. The acceptance review was performed to determine if there is sufficient technical information in scope and depth to allow the NRC staff to complete its detailed technical reviews. The acceptance review is also intended to identify whether the application has any readily apparent information insufficiencies in its characterization of the regulatory requirements or the licensing basis of the plant.

Consistent with Section 50.90 of Title 10 of the *Code of Federal Regulations* (10 CFR), an amendment to the license must fully describe the changes requested, and follow as far as applicable, the form prescribed for original applications. Section 52.79 of the 10 CFR addresses the content of technical information required. This section stipulates that the submittal address the design and operating characteristics, unusual or novel design features, and principal safety considerations.

The NRC staff has reviewed your application and concluded that it does provide technical information in sufficient detail to enable the NRC staff to complete its detailed technical review and make an independent assessment regarding the acceptability of the proposed amendment in terms of regulatory requirements and the protection of public health and safety and the environment.

Given the lesser scope and depth of the acceptance review as compared to the detailed technical review, there may be instances in which issues that impact the NRC staff's ability to complete the detailed technical review are identified despite completion of an adequate acceptance review. You will be advised of any further information needed to support the NRC staff's detailed technical review by separate correspondence.

You have requested an issuance date of March 30, 2018. We will attempt to support that date but it will depend on whether supplements to your request are needed. If the change is needed sooner than that date to support construction, please consider submitting a request for a PAR.

If you have any questions, please contact me at (301) 415-2809 or Paul.Kallan@nrc.gov.

Sincerely,

/RA/

Paul Kallan, Senior Project Manager
Licensing Branch 4
Division of New Reactor Licensing
Office of New Reactors

Docket No(s): 52-025
52-026