



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

November 15, 2019

Mr. Brian H. Whitley, Director
Regulatory Affairs
Southern Nuclear Operating Company, Inc.
3535 Colonnade Parkway, Bin N-226-EC
Birmingham, AL 35243

SUBJECT: VOGTLE ELECTRIC GENERATING PLANT, UNITS 3 AND 4 — ISSUANCE OF
AMENDMENTS RE: REACTOR COOLANT PUMP (RCP) SPEED SENSOR
CHANNEL CALIBRATION AND RESPONSE TIME TEST SURVEILLANCE
REQUIREMENT CHANGES (LAR19-008) (EPID L-2019-LLA-0107)

Dear Mr. Whitley:

In response to your application dated May 17, 2019 the U.S. Nuclear Regulatory Commission has issued the enclosed Amendment Nos. 166 and 164 to Combined License (COL) Nos. NPF-91 and NPF-92 for the Vogtle Electric Generating Plant (VEGP) Units 3 and 4, respectively. The amendment consists of changes to the Updated Final Safety Analysis Report (UFSAR) and the COL Appendix A, Technical Specifications (TS) definition for Channel Calibration to allow a qualitative check (i.e., sensor resistance and insulation resistance tests) as an acceptable means to perform channel calibration for the reactor coolant pump (RCP) speed sensors. An additional change is proposed to the UFSAR to allow the use of a conservatively allocated response time in lieu of measurement for the RCP speed sensors and preamplifiers.

The amendment approves changes to the COL Appendix A, TS 1.1 definition of Channel Calibration by identifying RCP speed sensors as instruments that may have calibration performed by an in-place qualitative assessment of the sensor behavior and normal calibration of the remaining adjustable devices in the channel. The amendment also authorizes a change to UFSAR Subsection 7.2.1.1.3 that permits the use of a conservatively allocated response time in lieu of measurement for the RCP speed sensors and preamplifiers. To accompany the change, UFSAR Subsection 7.2.4 is revised to add APP-GW-GLR-804, "AP1000® Technical Report to Support Modification to Response Time and Channel Calibration Testing Requirements for Reactor Coolant Pump Speed," as a secondary reference.

A copy of the related Safety Evaluation, which includes the staff's evaluation of the amendment is enclosed. The notice of issuance of the amendment documents included in this letter will be published in the *Federal Register*.

Sincerely,

/RA/

Chandu Patel, Senior Project Manager
Vogtle Project Office
Office of New Reactors

Docket Nos.: 52-025
52-026

Enclosures:

1. Amendment No. 1666 to NPF-91
2. Amendment No. 164 to NPF-92
3. Safety Evaluation

cc: See next page

VOGTLE ELECTRIC GENERATING PLANT, UNITS 3 AND 4 — ISSUANCE OF
AMENDMENTS RE: REACTOR COOLANT PUMP (RPC) SPEED SENSOR CHANNEL
CALIBRATION AND RESPONSE TIME TEST SURVEILLANCE REQUIREMENT
CHANGES (LAR19-008) (EPID L-2019-LLA-0107) DATED: November 15, 2019

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(Revised 08/13/2019)

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