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ND-17-0021
10 CFR 52.99(c)(2)

Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 4
Supplement for AP1000 ITAAC 2.6.01.02.ii [Index Number 580] Completion

Ladies and Gentlemen:

The purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) in accordance with 10 CFR 52.99(c)(2) of supplemental information regarding the completion status of Vogtle Electric Generating Station (VEGP) Unit 4 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 2.6.01.02.ii for verification that a report exists and concludes that the seismic Category I equipment in the Main AC Power System (ECS) can withstand seismic design basis loads without loss of safety function. This notification is being provided in accordance with NEI 08-01, "Industry Guideline for the ITAAC Closure Process under 10 CFR Part 52", which was endorsed by the NRC in Regulatory Guide 1.215.

Reason for Supplement

Additional actions were required to maintain the completed status of ITAAC 2.6.01.02.ii following the submittal of ITAAC Closure Notification ND-16-0690 (ADAMs Accession Number ML16166A030) originally submitted on May 17, 2016, due to engineering changes to incorporate new components into the Reactor Coolant Pump (RCP) switchgear cabinet design. Supplemental seismic testing and analysis was performed on the new components to demonstrate the equipment can withstand seismic design basis loads without loss of safety function.

This letter contains no new NRC regulatory commitments. Southern Nuclear Operating Company (SNC) requests NRC staff confirmation of this determination and publication of the required notice in the Federal Register per 10 CFR 52.99.

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If there are any questions, please contact David Woods at 706-848-6903.

Respectfully submitted,



Michael J. Yox

Regulatory Affairs Director Vogtle 3&4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 4
Supplement for AP1000 ITAAC 2.6.01.02.ii [Index Number 580] Completion

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**Southern Nuclear Operating Company
ND-17-0021
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 4
Supplement for AP1000 ITAAC 2.6.01.02.ii [Index Number 580] Completion**

ITAAC Statement

Design Commitment:

2. The seismic Category I equipment identified in Table 2.6.1-1 can withstand seismic design basis loads without loss of safety function.

Inspections, Tests, Analyses:

- ii) Type tests, analyses, or a combination of type tests and analyses of seismic Category I equipment will be performed.

Acceptance Criteria:

- ii) A report exists and concludes that the seismic Category I equipment can withstand seismic design basis loads without loss of safety function.

Supplemental ITAAC Determination Basis

After the original closure of ITAAC 2.6.01.02.ii (Reference 1), design changes were made to the Reactor Coolant Pump (RCP) switchgear cabinet to address compliance to The Institute of Electrical and Electronics Engineers, Inc. (IEEE) 384-1981. These changes incorporated new components into the RCP switchgear cabinet design which were not seismically qualified as part of the original RCP switchgear cabinet.

Seismic testing and analysis were performed on the new components in accordance with IEEE Standard 344-1987 (Reference 2). The testing utilized the same test methodology and loading requirements used in the original qualification of the RCP switchgear cabinet assembly. The results of the supplemental testing and analysis are documented in the Equipment Qualification Summary Report (Reference 3) and Equipment Qualification Data Package (Reference 4) for the RCP switchgear cabinet. These reports demonstrate the new components in the RCP switchgear cabinet assembly can withstand seismic design basis loads without loss of safety function and therefore the acceptance criteria remains satisfied. This maintains the completed status of ITAAC 2.6.01.02.ii.

Associated ITAAC Findings

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of all ITAAC findings pertaining to the subject ITAAC and associated corrective actions. This review found that there are no relevant ITAAC findings associated with this ITAAC. The Vogtle Unit 4 ITAAC 2.6.01.02.ii Completion Package (Reference 5) has been supplemented (Reference 6) to include this additional documentation and is available for NRC inspection.

ITAAC Completion Maintained Statement

Based on the above information, SNC hereby notifies the NRC that the completed status of ITAAC 2.6.01.02.ii for Vogtle Unit 4 has been maintained, and that the prescribed acceptance criteria continue to be met.

Systems, structures, and components verified as part of this ITAAC are being maintained in their as-designed, ITAAC compliant condition in accordance with approved plant programs and procedures.

References (available for NRC inspection)

1. ND-16-0690 (ADAMS Accession Number ML16166A030 – Dated May 17th, 2016), "ITAAC Closure Notification on Completion of ITAAC 2.6.01.02.ii [Index Number 580]"
2. IEEE 344-1987, "Recommended Practices for Seismic Qualification of Class 1E Equipment for Nuclear Power Generating Stations"
3. APP-ES02-VBR-001, Revision 6, "Equipment Qualification Summary Report for the RCP Switchgear for Use in the AP1000 Plant"
4. APP-ES02-VBR-003, Revision 5, "Equipment Qualification Data Package for the RCP Switchgear for Use in the AP1000 Plant"
5. SVP_SV0_003839, Attachment 1, "Submittal of Inspections, Test, Analyses and Acceptance Criteria (ITAAC) Completion Package for Unit 4 ITAAC 2.6.01.02.ii [COL Index No. 580] (ECS System Seismic Category 1 Equipment Design Basis Loads)"
6. SVP_SV0_004565, Attachment 3, "ITAAC Post-Closure Maintenance Information for ITAAC 2.6.01.02.ii"