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U.S. Nuclear Regulatory Commission
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Washington, DC 20555-0001

Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3 and Unit 4
Notice of Uncompleted ITAAC 225-days Prior to Initial Fuel Load
Item 2.6.02.02c [Index Number 595]

Ladies and Gentlemen:

Pursuant to 10 CFR 52.99(c)(3), Southern Nuclear Operating Company hereby notifies the NRC that as of May 1, 2018, Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4 Uncompleted Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 2.6.02.02c [Index Number 595] has not been completed greater than 225-days prior to initial fuel load. The Enclosure describes the plan for completing this ITAAC. Southern Nuclear Operating Company will, at a later date, provide additional notifications for ITAAC that have not been completed 225-days prior to initial fuel load.

This notification is informed by the guidance described in 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. In accordance with NEI 08-01, this notification includes ITAAC for which required inspections, tests, or analyses have not been performed or have been only partially completed. All ITAAC will be fully completed and all Section 52.99(c)(1) ITAAC Closure Notifications will be submitted to NRC to support the Commission finding that all acceptance criteria are met prior to plant operation, as required by 10 CFR 52.103(g).

This letter contains no new NRC regulatory commitments.

If there are any questions, please contact Tom Petrak at 706-848-1575.

Respectfully submitted,

Michael J. Yox
Regulatory Affairs Director Vogtle 3 & 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4
Completion Plan for Uncompleted ITAAC 2.6.02.02c [Index Number 595]

MJY/PGL/amw

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**Southern Nuclear Operating Company
ND-18-0640
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4
Completion Plan for Uncompleted ITAAC 2.6.02.02c [Index Number 595]**

ITAAC Statement

Design Commitment

2.c) Each EDS load group 1, 2, 3, and 4 inverter supplies the corresponding ac load.

Inspections/Tests/Analyses

Testing of each as-built inverter will be performed by applying a simulated or real load, or a combination of simulated or real loads, equivalent to a resistive load greater than 55 kW.

Acceptance Criteria

Each inverter provides a line-to-line output voltage of $208 \pm 2\%$ V at a frequency of $60 \pm 0.5\%$ Hz.

ITAAC Completion Description

Testing is performed in accordance with Unit 3 and Unit 4 component test package work orders (References 1 and 2) to demonstrate that each Non-Class 1E direct current (dc) and Uninterruptible Power Supply System (EDS) load group 1, 2, 3, and 4 inverter identified in the Combined License (COL) Appendix C, Table 2.6.2-2 (Attachment A) supplies its corresponding alternating current (ac) load.

A load test is performed on each EDS inverter by applying a simulated load greater than the inverter design capacity of 55 kilowatts (kW). Inverter output voltage, frequency, and power are continuously monitored during the test and after stabilization of load, recorded on data sheets included in the component test package work orders (References 1 and 2). Output voltage is verified to meet the specified acceptance criteria of $208 \pm 2\%$ Volts (V) at a frequency of $60 \pm 0.5\%$ Hertz (Hz) with the specified load applied. The recorded voltage and frequency values are identified in Attachment A for each EDS inverter.

The Unit 3 and Unit 4 component test results confirm that each inverter provides a line-to-line output voltage of $208 \pm 2\%$ V at a frequency of $60 \pm 0.5\%$ Hz.

The Unit 3 and Unit 4 component test package work orders (References 1 and 2, respectively) are available for NRC inspection as part of the Unit 3 and Unit 4 ITAAC 2.6.02.02c Completion Packages (References 3 and 4, respectively).

List of ITAAC Findings

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of all findings pertaining to the subject ITAAC and associated corrective actions. This review found there are no relevant ITAAC findings associated with this ITAAC.

References (available for NRC inspection)

1. SNC921194, Rev. 0, "EDS Inverter Frequency and Voltage Test – ITAAC: SV3-2.6.02.02c"
2. SNCXXXXXX, Rev x, "EDS Inverter Frequency and Voltage Test – ITAAC: SV4-2.6.02.02c"
3. 2.6.02.02c-U3-CP-Rev 0, ITAAC Completion Package
4. 2.6.02.02c-U4-CP-Rev 0, ITAAC Completion Package
5. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A

System: Non-Class 1E dc and Uninterruptible Power Supply System

Unit	*Component Name	*Tag No.	Load Bank Voltage and Frequency
3	Load Group 1 Inverter	EDS1-DU-1	XXX V YYY Hz
3	Load Group 2 Inverter	EDS2-DU-1	XXX V YYY Hz
3	Load Group 3 Inverter	EDS3-DU-1	XXX V YYY Hz
3	Load Group 4 Inverter	EDS4-DU-1	XXX V YYY Hz
4	Load Group 1 Inverter	EDS1-DU-1	XXX V YYY Hz
4	Load Group 2 Inverter	EDS2-DU-1	XXX V YYY Hz
4	Load Group 3 Inverter	EDS3-DU-1	XXX V YYY Hz
4	Load Group 4 Inverter	EDS4-DU-1	XXX V YYY Hz

Notes:

* Excerpt from COL Appendix C, Table 2.6.2-2