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U.S. Nuclear Regulatory Commission
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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 2.6.02.02a [Index Number 593]

Ladies and Gentlemen:

Pursuant to 10 CFR 52.99(c)(3), Southern Nuclear Operating Company hereby notifies the NRC that as of April 1, 2018, Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4 Uncompleted Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 2.6.02.02a [Index Number 593] 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 2.6.02.02a [Index Number 593]

MJY/PGL/amw

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**Southern Nuclear Operating Company
ND-18-0490
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4
Completion Plan for Uncompleted ITAAC 2.6.02.02a [Index Number 593]**

ITAAC Statement

Design Commitment

2.a) Each EDS load group 1, 2, 3, and 4 battery charger supplies the corresponding dc switchboard bus load while maintaining the corresponding battery charged.

Inspections, Tests, Analyses

Testing of each as-built battery charger will be performed by applying a simulated or real load, or a combination of simulated or real loads.

Acceptance Criteria

Each battery charger provides an output current of at least 900 amps with an output voltage in the range 105 to 140 V.

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 battery charger identified in the Combined License (COL) Appendix C, Table 2.6.2-2 (Attachment A) supplies the corresponding dc switchboard bus load while maintaining the corresponding battery charged.

The component test utilizes a load bank to simulate the most limiting loads on each EDS load group battery charger, totaling the value of a fully discharged battery and a full load from the dc switchboard. The EDS battery bank and dc switchboard are disconnected from the battery charger and a load bank is then connected to the output of the battery charger. The EDS battery charger output current and output voltage is measured using the load bank instrumentation and recorded on data sheets included in the component test package work orders (References 1 and 2). The current and output voltage are verified to remain within the acceptance criteria for each EDS battery charger. The current and voltage values are tabulated in Attachment A and demonstrate the EDS battery chargers meet the acceptance criteria.

The Unit 3 and Unit 4 component test results confirm that each EDS battery charger provides an output current of at least 900 amps with an output voltage in the range 105 to 140 V.

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

List of 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 there are no relevant ITAAC findings associated with this ITAAC.

References (available for NRC inspection)

1. SNC919925, Rev. 0, "EDS Battery Charger Current and Voltage Test – ITAAC: SV3-2.6.02.02a"
2. SNCXXXXXX, Rev 0, "EDS Battery Charger Current and Voltage Test – ITAAC: SV4-2.6.02.02a"
3. 2.6.02.02a-U3-CP-Rev X "Completion Package for Unit 3 ITAAC 2.6.02.02a [Index Number 593]"
4. 2.6.02.02a-U4-CP-Rev X "Completion Package for Unit 4 ITAAC 2.6.02.02a [Index Number 593]"
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 Current & Voltage
3	Load Group 1 Battery Charger	EDS1-DC-1	XXX A YYY V
3	Load Group 2 Battery Charger	EDS2-DC-1	XXX A YYY V
3	Load Group 3 Battery Charger	EDS3-DC-1	XXX A YYY V
3	Load Group 4 Battery Charger	EDS4-DC-1	XXX A YYY V
4	Load Group 1 Battery Charger	EDS1-DC-1	XXX A YYY V
4	Load Group 2 Battery Charger	EDS2-DC-1	XXX A YYY V
4	Load Group 3 Battery Charger	EDS3-DC-1	XXX A YYY V
4	Load Group 4 Battery Charger	EDS4-DC-1	XXX A YYY V

Notes:

* Excerpt from COL Appendix C, Table 2.6.2-2