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10 CFR 52.99(c)(3)

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 2.6.03.05a [Index Number 610]

Ladies and Gentlemen:

Pursuant to 10 CFR 52.99(c)(3), Southern Nuclear Operating Company hereby notifies the NRC that as of July 20, 2017, Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4 Uncompleted Inspection, Test, Analyses, and Acceptance Criteria (ITAAC) Item 2.6.03.05a [Index Number 610] has not been completed greater than 225-days prior to initial fuel load. The Enclosure describes the plan for completing ITAAC 2.6.03.05a [Index Number 610]. 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)(3) 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 David Woods at 706-848-6903.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Michael J. Yox".

Michael J. Yox  
Regulatory Affairs Director Vogtle 3 & 4

U.S. Nuclear Regulatory Commission

ND-17-1234

Page 2 of 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4  
Completion Plan for Uncompleted ITAAC 2.6.03.05a [Index Number 610]

MJY/LRG/amw

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**Southern Nuclear Operating Company  
ND-17-1234  
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4  
Completion Plan for Uncompleted ITAAC 2.6.03.05a [Index Number 610]**

## **ITAAC Statement**

### **Design Commitment**

5.a) Each IDS 24-hour battery charger supplies a dc switchboard bus load while maintaining the corresponding battery charged.

### **Inspections/Tests/Analyses**

Testing of each as-built 24-hour battery charger will be performed by applying a simulated or real load, or a combination of simulated or real loads.

### **Acceptance Criteria**

Each 24-hour battery charger provides an output current of at least 150 A with an output voltage in the range 210 to 280 V.

## **ITAAC Completion Description**

Testing is performed in accordance with Unit 3 and Unit 4 preoperational test procedures SV3-IDS-T1P-501 and SV4-IDS-T1P-501 (References 1 and 2, respectively) to confirm that each Class 1E direct current (dc) and Uninterruptible Power Supply System (IDS) 24-hour battery charger identified in the Combined License (COL) Appendix C, Table 2.6.3-4 (Attachment 1) provides an output current of at least 150 amperes (A) with an output voltage in the range 210 to 280 volts (V).

The preoperational test utilizes a load bank to simulate the most limiting loads on the IDS 24-hour battery chargers, totaling the value of a fully discharged battery and a full load from the dc switchboard. The IDS 24-hour battery bank and dc switchboard are disconnected from the IDS 24-hour battery charger and a load bank is then connected to the output of the battery charger. The IDS 24-hour battery charger current and output voltage is measured using the battery charger installed instrumentation and recorded hourly for 8 hours. The recorded voltage and current remained within the acceptance criteria for each IDS 24-hour battery charger. Output voltage and current are tabulated in Attachment A and demonstrate the IDS as-built 24-hour battery chargers meet the acceptance criteria.

The Unit 3 and Unit 4 preoperational test results reports SV3-IDS-T2R-501 and SV4-IDS-T2R-501 (References 3 and 4, respectively) confirm that each IDS 24-hour battery charger provides an output current of at least 150 A with an output voltage in the range 210 to 280 V.

References 1 through 4 are available for NRC inspection as part of the ITAAC 2.6.03.05a Completion Package (Reference 5).

## **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. SV3-IDS-T1P-501, "Class 1E DC and UPS System Preoperational Test Procedure"
2. SV4-IDS-T1P-501, "Class 1E DC and UPS System Preoperational Test Procedure"
3. SV3-IDS-T2R-501, "Class 1E DC and UPS System Preoperational Test Results Report"
4. SV4-IDS-T2R-501, "Class 1E DC and UPS System Preoperational Test Results Report"
5. ITAAC 2.6.03.05a Completion Package
6. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

**Attachment A**

**\*Excerpt from Combined License Appendix C Table 2.6.3-4**

<b>Unit</b>	<b>*Component Name</b>	<b>*Tag No.</b>	<b>Output Voltage Range</b>	<b>Minimum Output Current</b>
3	Division A 24-Hour Battery Charger 1	IDSA-DC-1	XXX-YYY	XXX
3	Division B 24-Hour Battery Charger 1	IDSB-DC-1	XXX-YYY	XXX
3	Division C 24-Hour Battery Charger 1	IDSC-DC-1	XXX-YYY	XXX
3	Division D 24-Hour Battery Charger 1	IDSD-DC-1	XXX-YYY	XXX
3	Spare Battery Charger 1	IDSS-DC-1	XXX-YYY	XXX
4	Division A 24-Hour Battery Charger 1	IDSA-DC-1	XXX-YYY	XXX
4	Division B 24-Hour Battery Charger 1	IDSB-DC-1	XXX-YYY	XXX
4	Division C 24-Hour Battery Charger 1	IDSC-DC-1	XXX-YYY	XXX
4	Division D 24-Hour Battery Charger 1	IDSD-DC-1	XXX-YYY	XXX
4	Spare Battery Charger 1	IDSS-DC-1	XXX-YYY	XXX