Southern Nuclear

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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 2.6.03.04c [Index Number 603]

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 2.6.03.04c [Index Number 603] has not been completed greater than 225-days prior to initial fuel load. The Enclosure describes the plan for completing ITAAC 2.6.03.04c [Index Number 603]. 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,

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 2.6.03.04c [Index Number 603]

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Southern Nuclear Operating Company
ND-17-1239
Enclosure

Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4
Completion Plan for Uncompleted ITAAC 2.6.03.04c [Index Number 603]

ITAAC Statement

Design Commitment

4.c) Each IDS 24-hour battery bank supplies a dc switchboard bus load for a period of 24 hours without recharging.

Inspections/Tests/Analyses

Testing of each 24-hour as-built battery bank will be performed by applying a simulated or real load, or a combination of simulated or real loads which envelope the battery bank design duty cycle. The test will be conducted on a battery bank that has been fully charged and has been connected to a battery charger maintained at 270±2 V for a period of no less than 24 hours prior to the test.

Acceptance Criteria

The battery terminal voltage is greater than or equal to 210 V after a period of no less than 24 hours with an equivalent load that equals or exceeds the battery bank design duty cycle capacity.

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 verify that each Class 1E direct current (dc) and Uninterruptible Power Supply System (IDS) 24-hour as-built battery bank terminal voltage is greater than or equal to 210 volts (V) after a period of no less than 24 hours with an equivalent load that equals or exceeds the battery bank IDS 24-hour design duty cycle capacity.

The preoperational test is performed on a fully charged IDS 24-hour battery bank that has been connected to a charger maintained at 270±2 V for a period of no less than 24 hours prior to the test. A 24-hour battery service test as defined in Institute of Electrical and Electronics Engineers (IEEE) 450-1995 at the IDS 24-hour battery bank design duty cycle capacity is performed using a load bank to simulate plant loads. Battery bank terminal voltages are recorded, corrected for instrument accuracy and compared to the acceptance criteria. The IDS 24-hour battery bank terminal voltage measurements are summarized in Attachment A.

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 as-built battery terminal voltage is greater than or equal to 210 V after a period of no less than 24 hours with an equivalent load that equals or exceeds the IDS 24-hour battery bank design duty cycle capacity.

References 1 through 4 are available for NRC inspection as part of the ITAAC 2.6.03.04c 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 2.6.03.04c 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 2.6.3-1**

Unit	*Equipment Name	*Tag No.	Battery Bank Terminal Voltage
3	Division A 250 Vdc 24-Hour Battery Bank	IDSA-DB-1	XXX
3	Division B 250 Vdc 24-Hour Battery Bank 1	IDSB-DB-1	XXX
3	Division C 250 Vdc 24-Hour Battery Bank 1	IDSC-DB-1	XXX
3	Division D 250 Vdc 24-Hour Battery Bank	IDSD-DB-1	XXX
4	Division A 250 Vdc 24-Hour Battery Bank	IDSA-DB-1	XXX
4	Division B 250 Vdc 24-Hour Battery Bank 1	IDSB-DB-1	XXX
4	Division C 250 Vdc 24-Hour Battery Bank 1	IDSC-DB-1	XXX
4	Division D 250 Vdc 24-Hour Battery Bank	IDSD-DB-1	XXX