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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3
ITAAC Closure Notification on Completion of ITAAC 2.7.01.06a [Index Number 687]

Ladies and Gentlemen:

In accordance with 10 CFR 52.99(c)(1), the purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) of the completion of Vogtle Electric Generating Plant (VEGP) Unit 3 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 2.7.01.06a [Index Number 687], for verifying that the Class 1E components identified in the Combined License (COL), Appendix C Table 2.7.1-1 are powered from their respective Class 1E division. The closure process for this ITAAC is based on 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.

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.

If there are any questions, please contact Kelli Roberts at 706-848-6991.

Respectfully submitted,

Michael J. Yox
Regulatory Affairs Director Vogtle 3 & 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC 2.7.01.06a [Index Number 687]

MJY/CMK/sfr

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**Southern Nuclear Operating Company
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Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC 2.7.01.06a [Index Number 687]**

ITAAC Statement

Design Commitment

6.a) The Class 1E components identified in Table 2.7.1-1 are powered from their respective Class 1E division.

Inspections, Tests, Analyses

Testing will be performed on the VBS by providing a simulated test signal in each Class 1E division.

Acceptance Criteria

A simulated test signal exists at the Class 1E equipment identified in Table 2.7.1-1 when the assigned Class 1E division is provided the test signal.

ITAAC Determination Basis

Testing was performed on the Class 1E components (equipment) identified in the VEGP Unit 3 COL Appendix C Table 2.7.1-1 (Attachment A) to demonstrate that they are powered from their respective Class 1E division. This ITAAC performed testing on the Nuclear Island Nonradioactive Ventilation System (VBS) and Sanitary Drainage System (SDS) equipment identified in Table 2.7.1-1 by providing a simulated test signal in each Class 1E division.

Class 1E power verification testing of the Protection and Safety Monitoring System (PMS) cabinets, associated with the equipment identified in Attachment A, was verified through the applicable portion of ITAAC 2.5.02.05a testing (Reference 1) and confirms the PMS cabinets are powered from their respective Class 1E division. SV3-VBS-ITR 800687 (Reference 2) documents completion of power verification activities from the PMS cabinets and the Class 1E motor control centers to the equipment identified in Attachment A. Reference 2 first verified that power supply cables/wiring were installed and terminated from the applicable PMS cabinet and Class 1E motor control center to the respective equipment identified in Attachment A using approved construction drawings and cable/wiring termination documentation. Reference 2 then confirmed, via cable/wiring termination inspection documentation, that continuity testing was performed on each of the installed cables/wiring to confirm current flow within the installed cable/wiring. The combination of cable/wiring installation and termination verification, with the installed cable/wiring continuity testing, confirmed that the equipment identified in Appendix A are powered from their respective Class 1E division.

The results of the testing are documented in SV3-VBS-ITR 800687 (Reference 2) and confirmed that a simulated test signal exists at the Class 1E components identified in Table 2.7.1-1 when the assigned Class 1E division provided the test signal.

References 1 and 2 are available for NRC inspection as part of the Unit 3 ITAAC 2.7.01.06a Completion Package (Reference 3).

ITAAC Finding Review

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.

The ITAAC completion review is documented in the Vogtle Unit 3 ITAAC Completion Package for ITAAC 2.7.01.06a (Reference 3) and is available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.7.01.06a was performed for VEGP Unit 3 and that the prescribed acceptance criteria were 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. SV3-PMS-ITR-800527-1 Rev. 0, "Unit 3 Protection & Safety Monitoring (PMS) System Equipment by Assigned Class 1E Division"
2. SV3-VBS-ITR-800687 Rev. 0, "Unit 3 Nuclear Island Nonradioactive Ventilation System (VBS) Class 1E Equipment Signaled From Assigned Division"
3. 2.7.01.06a-U3-CP-Rev0, ITAAC Completion Package

Attachment A

COL Appendix C Table 2.7.1-1

Equipment Name*	Tag No.*
MCR Supply Air Isolation Valve	VBS-PL-V186
MCR Supply Air Isolation Valve	VBS-PL-V187
MCR Return Air Isolation Valve	VBS-PL-V188
MCR Return Air Isolation Valve	VBS-PL-V189
MCR Exhaust Air Isolation Valve	VBS-PL-V190
MCR Exhaust Air Isolation Valve	VBS-PL-V191
MCR SDS (Vent) Isolation Valve	SDS-PL-V001
MCR SDS (Vent) Isolation Valve	SDS-PL-V002

* Excerpted from COL Appendix C Table 2.7.1-1