



MAR 31 2022

Docket No.: 52-025

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ND-22-0165
10 CFR 52.99(c)(1)

U.S. Nuclear Regulatory Commission
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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3
ITAAC Closure Notification on Completion of ITAAC 2.1.03.09b [Index Number 83]

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 2.1.03.09b [Index 83]. This ITAAC confirms that the Class 1E Reactor System (RXS) components identified in Combined License (COL) Table 2.1.3-1 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 2.1.03.09b [Index Number 83]

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**Southern Nuclear Operating Company
ND-22-0165
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC 2.1.03.09b [Index Number 83]**

ITAAC Statement

Design Commitment

9.b) The Class 1E components identified in Table 2.1.3-1 are powered from their respective Class 1E division.

Inspections/Tests/Analyses

Testing will be performed by providing simulated test signals in each Class 1E division.

Acceptance Criteria

A simulated test signal exists for Class 1E equipment identified in Table 2.1.3-1 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 2.1.3-1 (Attachment A) to demonstrate they are powered from their respective Class 1E division. This ITAAC performed testing on equipment identified in Table 2.1.3-1 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 that provide power to the equipment identified in Attachment A, was verified through the applicable portions of ITAAC 2.5.02.05a component testing (Reference 1) and confirmed the PMS cabinets are powered from their respective Class 1E division. SV3-RXS-ITR-800083 (Reference 2) documents completion of power verification activities from the PMS cabinets to the equipment identified in Attachment A. Reference 2 first verified that power supply cables/wiring are installed and terminated from the applicable PMS cabinet to the respective component 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 is powered from its respective Class 1E division.

SV3-RXS-ITR-800083 (Reference 2) confirmed that a simulated test signal exists at the Class 1E equipment identified in Table 2.1.3-1 when the assigned Class 1E division is provided the test signal.

References 1 and 2 are available for NRC inspection as part of Unit 3 ITAAC 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 2.1.03.09b (Reference 3) and is available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.1.03.09b 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: ITAAC 2.5.02.05a"
2. SV3-RXS-ITR-800083 Rev 0, "Unit 3 RXS Class 1E Equipment Signaled from Assigned Division: ITAAC 2.1.03.09b (NRC Index #83)"
3. 2.1.03.09b-U3-CP-Rev0, ITAAC Completion Package

Attachment A

COL Appendix C Table 2.1.3-1

Equipment Name*	Tag No.*
Source Range Detectors (4)	RXS-JE-NE001A/NE001B/NE001C/NE001D
Intermediate Range Detectors (4)	RXS-JE-NE002A/NE002B/NE002C/NE002D
Power Range Detectors – Lower (4)	RXS-JE-NE003A/NE003B/NE003C/NE003D
Power Range Detectors – Upper (4)	RXS-JE-NE004A/NE004B/NE004C/NE004D

* Excerpted from COL Appendix C Table 2.1.3-1