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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3
ITAAC Closure Notification on Completion of ITAAC 2.1.02.07b [Index Number 26]

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 2.1.02.07b [Index Number 26]. This ITAAC confirms that Class 1E Reactor Coolant System (RCS) components identified in Combined License (COL) Appendix C Table 2.1.2-1 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,

A handwritten signature in black ink that reads "Jamie Coleman".

Jamie M. Coleman
Regulatory Affairs Director Vogtle 3 & 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC 2.1.02.07b [Index Number 26]

JMC/LBP/sfr

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**Southern Nuclear Operating Company
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Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC 2.1.02.07b [Index Number 26]**

ITAAC Statement

Design Commitment

7.b) The Class 1E components identified in Table 2.1.2-1 are powered from their respective Class 1E division.

Inspections/Tests/Analyses

Testing will be performed on the RCS 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 2.1.2-1 when the assigned Class 1E division is provided the test signal.

ITAAC Determination Basis

Testing is performed on the Class 1E components (equipment) identified in the VEGP Unit 3 COL Appendix C Table 2.1.2-1 (Attachment A) to demonstrate they are powered from their respective Class 1E division. This ITAAC performs testing on the Reactor Coolant System (RCS) equipment identified in Table 2.1.2-1 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, is verified through 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. Reference 2 documented completion of power verification activities from the PMS cabinets and the Class 1E power distribution panels/motor control centers 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 and Class 1E power distribution panel/motor control center 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, confirms that the equipment identified in Appendix A is powered from its respective Class 1E division.

The Unit 3 Reports (References 1 and 2) confirm that a simulated test signal exists at the Class 1E equipment identified in Table 2.1.2-1 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 and is documented in Reference 3.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.1.02.07b 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-RCS-ITR-800026 Rev 0, "Unit 3 Reactor Coolant System (RCS) Class 1E Equipment Signaled from Assigned Division: ITAAC 2.1.02.07b (NRC Index #26)"
3. 2.1.02.07b-CP-Rev0, ITAAC Completion Package

Attachment A

COL Appendix C Table 2.1.2-1

Equipment Name*	Tag No.*
First-stage ADS Motor-operated Valve (MOV)	RCS-PL-V001A
First-stage ADS MOV	RCS-PL-V001B
Second-stage ADS MOV	RCS-PL-V002A
Second-stage ADS MOV	RCS-PL-V002B
Third-stage ADS MOV	RCS-PL-V003A
Third-stage ADS MOV	RCS-PL-V003B
Fourth-stage ADS Squib Valve	RCS-PL-V004A
Fourth-stage ADS Squib Valve	RCS-PL-V004B
Fourth-stage ADS Squib Valve	RCS-PL-V004C
Fourth-stage ADS Squib Valve	RCS-PL-V004D
First-stage ADS Isolation MOV	RCS-PL-V011A
First-stage ADS Isolation MOV	RCS-PL-V011B
Second-stage ADS Isolation MOV	RCS-PL-V012A
Second-stage ADS Isolation MOV	RCS-PL-V012B
Third-stage ADS Isolation MOV	RCS-PL-V013A
Third-stage ADS Isolation MOV	RCS-PL-V013B
Fourth-stage ADS MOV	RCS-PL-V014A
Fourth-stage ADS MOV	RCS-PL-V014B
Fourth-stage ADS MOV	RCS-PL-V014C
Fourth-stage ADS MOV	RCS-PL-V014D
Reactor Vessel Head Vent Valve	RCS-PL-V150A

Reactor Vessel Head Vent Valve	RCS-PL-V150B
Reactor Vessel Head Vent Valve	RCS-PL-V150C
Reactor Vessel Head Vent Valve	RCS-PL-V150D
RCS Hot Leg 1 Flow Sensor	RCS-101A
RCS Hot Leg 1 Flow Sensor	RCS-101B
RCS Hot Leg 1 Flow Sensor	RCS-101C
RCS Hot Leg 1 Flow Sensor	RCS-101D
RCS Hot Leg 2 Flow Sensor	RCS-102A
RCS Hot Leg 2 Flow Sensor	RCS-102B
RCS Hot Leg 2 Flow Sensor	RCS-102C
RCS Hot Leg 2 Flow Sensor	RCS-102D
RCS Cold Leg 1A Narrow Range Temperature Sensor	RCS-121A
RCS Cold Leg 1B Narrow Range Temperature Sensor	RCS-121B
RCS Cold Leg 1B Narrow Range Temperature Sensor	RCS-121C
RCS Cold Leg 1A Narrow Range Temperature Sensor	RCS-121D
RCS Cold Leg 2B Narrow Range Temperature Sensor	RCS-122A
RCS Cold Leg 2A Narrow Range Temperature Sensor	RCS-122B
RCS Cold Leg 2A Narrow Range Temperature Sensor	RCS-122C
RCS Cold Leg 2B Narrow Range Temperature Sensor	RCS-122D
RCS Cold Leg 1A Dual Range Temperature Sensor	RCS-125A
RCS Cold Leg 2A Dual Range Temperature Sensor	RCS-125B
RCS Cold Leg 1B Dual Range Temperature Sensor	RCS-125C
RCS Cold Leg 2B Dual Range Temperature Sensor	RCS-125D
RCS Hot Leg 1 Narrow Range Temperature Sensor	RCS-131A

RCS Hot Leg 2 Narrow Range Temperature Sensor	RCS-131B
RCS Hot Leg 1 Narrow Range Temperature Sensor	RCS-131C
RCS Hot Leg 2 Narrow Range Temperature Sensor	RCS-131D
RCS Hot Leg 1 Narrow Range Temperature Sensor	RCS-132A
RCS Hot Leg 2 Narrow Range Temperature Sensor	RCS-132B
RCS Hot Leg 1 Narrow Range Temperature Sensor	RCS-132C
RCS Hot Leg 2 Narrow Range Temperature Sensor	RCS-132D
RCS Hot Leg 1 Narrow Range Temperature Sensor	RCS-133A
RCS Hot Leg 2 Narrow Range Temperature Sensor	RCS-133B
RCS Hot Leg 1 Narrow Range Temperature Sensor	RCS-133C
RCS Hot Leg 2 Narrow Range Temperature Sensor	RCS-133D
RCS Hot Leg 1 Wide Range Temperature Sensor	RCS-135A
RCS Hot Leg 2 Wide Range Temperature Sensor	RCS-135B
RCS Wide Range Pressure Sensor	RCS-140A
RCS Wide Range Pressure Sensor	RCS-140B
RCS Wide Range Pressure Sensor	RCS-140C
RCS Wide Range Pressure Sensor	RCS-140D
RCS Hot Leg 1 Level Sensor	RCS-160A
RCS Hot Leg 2 Level Sensor	RCS-160B
Passive Residual Heat Removal (PRHR) Return Line Temperature Sensor	RCS-161
Pressurizer Pressure Sensor	RCS-191A
Pressurizer Pressure Sensor	RCS-191B
Pressurizer Pressure Sensor	RCS-191C
Pressurizer Pressure Sensor	RCS-191D

Pressurizer Level Reference Leg Temperature Sensor	RCS-193A
Pressurizer Level Reference Leg Temperature Sensor	RCS-193B
Pressurizer Level Reference Leg Temperature Sensor	RCS-193C
Pressurizer Level Reference Leg Temperature Sensor	RCS-193D
Pressurizer Level Sensor	RCS-195A
Pressurizer Level Sensor	RCS-195B
Pressurizer Level Sensor	RCS-195C
Pressurizer Level Sensor	RCS-195D
RCP 1A Bearing Water Temperature Sensor	RCS-211A
RCP 1A Bearing Water Temperature Sensor	RCS-211B
RCP 1A Bearing Water Temperature Sensor	RCS-211C
RCP 1A Bearing Water Temperature Sensor	RCS-211D
RCP 1B Bearing Water Temperature Sensor	RCS-212A
RCP 1B Bearing Water Temperature Sensor	RCS-212B
RCP 1B Bearing Water Temperature Sensor	RCS-212C
RCP 1B Bearing Water Temperature Sensor	RCS-212D
RCP 2A Bearing Water Temperature Sensor	RCS-213A
RCP 2A Bearing Water Temperature Sensor	RCS-213B
RCP 2A Bearing Water Temperature Sensor	RCS-213C
RCP 2A Bearing Water Temperature Sensor	RCS-213D
RCP 2B Bearing Water Temperature Sensor	RCS-214A
RCP 2B Bearing Water Temperature Sensor	RCS-214B
RCP 2B Bearing Water Temperature Sensor	RCS-214C
RCP 2B Bearing Water Temperature Sensor	RCS-214D

RCP 1A Pump Speed Sensor	RCS-281
RCP 1B Pump Speed Sensor	RCS-282
RCP 2A Pump Speed Sensor	RCS-283
RCP 2B Pump Speed Sensor	RCS-284

*Excerpted from COL Appendix C Table 2.1.2-1