

Docket Nos.: 52-025

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Southern Nuclear Operating Company  
Vogtle Electric Generating Plant Unit 3  
ITAAC Closure Notification on Completion of ITAAC 2.2.04.07b [Index Number 233]

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 2.2.04.07b [Index 233]. This ITAAC confirms that the Class 1E Steam Generator System (SGS) components identified in Combined License (COL) Table 2.2.4-1 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,

Jamie M. Coleman  
Regulatory Affairs Director Vogtle 3 & 4Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3  
Completion of ITAAC 2.2.04.07b [Index Number 233]

JMC/BSZ/sfr

U.S. Nuclear Regulatory Commission

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**Southern Nuclear Operating Company  
ND-22-0198  
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 3  
Completion of ITAAC 2.2.04.07b [Index Number 233]**

## **ITAAC Statement**

### **Design Commitment**

7.b) The Class 1E components identified in Table 2.2.4-1 are powered from their respective Class 1E division.

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

Testing will be performed 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 2.2.4-1 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 2.2.4-1 (Attachment A) to demonstrate they are powered from their respective Class 1E division. This ITAAC performs testing on the Steam Generator System (SGS) equipment identified in Table 2.2.4-1 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 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. Unit 3 SV3-SGS-ITR-800233 (Reference 2) documents 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, confirmed that the equipment identified in Appendix A is powered from its respective Class 1E division.

The Unit 3 technical reports (References 1 and 2) confirm that a simulated test signal exists at the Class 1E equipment identified in Table 2.2.4-1 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.

**ITAAC Completion Statement**

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.2.04.07b 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-SGS-ITR-800233 Rev. 0, "Unit 3 Steam Generator System (SGS) Class 1E Equipment Signaled from Assigned Division: ITAAC 2.2.04.07b"
3. 2.2.04.07b-U3-CP-Rev 0, ITAAC Completion Package

**Attachment A**

COL Appendix C Table 2.2.4-1

<b>Equipment Name*</b>	<b>Tag No.*</b>
Power-operated Relief Valve Block Motor-operated Valve Steam Generator 01	SGS-PL-V027A
Power-operated Relief Valve Block Motor-operated Valve Steam Generator 02	SGS-PL-V027B
Steam Line Condensate Drain Isolation Valve	SGS-PL-V036A
Steam Line Condensate Drain Isolation Valve	SGS-PL-V036B
Main Steam Line Isolation Valve	SGS-PL-V040A
Main Steam Line Isolation Valve	SGS-PL-V040B
Steam Line Condensate Drain Control Valve	SGS-PL-V086A
Steam Line Condensate Drain Control Valve	SGS-PL-V086B
Main Feedwater Isolation Valve	SGS-PL-V057A
Main Feedwater Isolation Valve	SGS-PL-V057B
Startup Feedwater Isolation Motor-operated Valve	SGS-PL-V067A
Startup Feedwater Isolation Motor-operated Valve	SGS-PL-V067B
Steam Generator Blowdown Isolation Valve	SGS-PL-V074A
Steam Generator Blowdown Isolation Valve	SGS-PL-V074B
Steam Generator Blowdown Isolation Valve	SGS-PL-V075A
Steam Generator Blowdown Isolation Valve	SGS-PL-V075B
Power-operated Relief Valve	SGS-PL-V233A
Power-operated Relief Valve	SGS-PL-V233B
Main Steam Isolation Valve Bypass Isolation	SGS-PL-V240A
Main Steam Isolation Valve Bypass Isolation	SGS-PL-V240B
Main Feedwater Control Valve	SGS-PL-V250A

Main Feedwater Control Valve	SGS-PL-V250B
Startup Feedwater Control Valve	SGS-PL-V255A
Startup Feedwater Control Valve	SGS-PL-V255B
Steam Generator 1 Narrow Range Level Sensor	SGS-001
Steam Generator 1 Narrow Range Level Sensor	SGS-002
Steam Generator 1 Narrow Range Level Sensor	SGS-003
Steam Generator 1 Narrow Range Level Sensor	SGS-004
Steam Generator 2 Narrow Range Level Sensor	SGS-005
Steam Generator 2 Narrow Range Level Sensor	SGS-006
Steam Generator 2 Narrow Range Level Sensor	SGS-007
Steam Generator 2 Narrow Range Level Sensor	SGS-008
Steam Generator 1 Wide Range Level Sensor	SGS-011
Steam Generator 1 Wide Range Level Sensor	SGS-012
Steam Generator 2 Wide Range Level Sensor	SGS-013
Steam Generator 2 Wide Range Level Sensor	SGS-014
Steam Generator 1 Wide Range Level Sensor	SGS-015
Steam Generator 1 Wide Range Level Sensor	SGS-016
Steam Generator 2 Wide Range Level Sensor	SGS-017
Steam Generator 2 Wide Range Level Sensor	SGS-018
Main Steam Line Steam Generator 1 Pressure Sensor	SGS-030
Main Steam Line Steam Generator 1 Pressure Sensor	SGS-031
Main Steam Line Steam Generator 1 Pressure Sensor	SGS-032
Main Steam Line Steam Generator 1 Pressure Sensor	SGS-033
Main Steam Line Steam Generator 2 Pressure Sensor	SGS-034

Main Steam Line Steam Generator 2 Pressure Sensor	SGS-035
Main Steam Line Steam Generator 2 Pressure Sensor	SGS-036
Main Steam Line Steam Generator 2 Pressure Sensor	SGS-037
Steam Generator 1 Startup Feedwater Flow Sensor	SGS-55A
Steam Generator 1 Startup Feedwater Flow Sensor	SGS-55B
Steam Generator 2 Startup Feedwater Flow Sensor	SGS-56A
Steam Generator 2 Startup Feedwater Flow Sensor	SGS-56B

\* Excerpted from COL Appendix C Table 2.2.4-1