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
ITAAC Closure Notification on Completion of ITAAC 2.2.01.06b [Index Number 103]

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 2.2.01.06b [Index 103]. This ITAAC confirms that the Class 1E Containment System (CNS) components identified in Combined License (COL) Table 2.2.1-1 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 2.2.01.06b [Index Number 103]

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Southern Nuclear Operating Company
ND-22-0162
Enclosure

Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC 2.2.01.06b [Index Number 103]

ITAAC Statement

Design Commitment

6.b) The Class 1E components identified in Table 2.2.1-1 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 2.2.1-1 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 2.2.1-1 (Attachment A) to demonstrate they are powered from their respective Class 1E division. This ITAAC performed testing on the Containment System (CNS) equipment identified in Table 2.2.1-1 by providing a simulated test signal in each Class 1E division. The Class 1E electrical penetrations identified in Attachment A are also tested by this ITAAC.

The electrical penetrations identified in Attachment A provide electrical continuity from Class 1E power supplies Outside Reactor Containment (ORC) to Class 1E equipment Inside Reactor Containment (IRC) and are not themselves powered components. Multiple Class 1E component and equipment ITAAC perform Class 1E power verifications that include power verifications through the electrical penetrations identified in Attachment A.

For the remaining equipment identified in Attachment A, SV3-CNS-ITR-800103 (Reference 1) documents completion of power verification activities from the Protection and Safety Monitoring System (PMS) cabinets and the Class 1E power distribution panels/motor control centers to the equipment identified in Attachment A. Class 1E power verification testing of the PMS cabinets, associated with the equipment identified in Attachment A, was verified through applicable portions of ITAAC 2.5.02.05a testing (Reference 2) and confirmed the PMS cabinets are powered from their respective Class 1E division. Reference 1 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 2.2.1-1 when the assigned Class 1E division is provided a test signal.

References 1 and 2 are available for NRC inspection as part of Unit 3 ITAAC 2.2.01.06b 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 2.2.01.06b (Reference 3) and is available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.2.01.06b 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-CNS-ITR-800103 Rev. 0, "Unit 3 Containment System (CNS) Class 1E Equipment Signaled from Assigned Division: ITAAC 2.2.01.06b (NRC Index #103)"
2. 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"
3. 2.2.01.06b-U3-CP-Rev0, ITAAC Completion Package

Attachment A

COL Appendix C Table 2.2.1-1

Equipment Name*	Tag No.*
Instrument Air Supply Outside Containment Isolation Valve	CAS-PL-V014
Component Cooling Water System (CCS) Containment Isolation Motor-operated Valve (MOV) – Inlet Line Outside Reactor Containment (ORC)	CCS-PL-V200
CCS Containment Isolation MOV – Outlet Line IRC	CCS-PL-V207
CCS Containment Isolation MOV – Outlet Line ORC	CCS-PL-V208
SFS Discharge Line Containment Isolation MOV – ORC	SFS-PL-V038
SFS Suction Line Containment Isolation MOV – IRC	SFS-PL-V034
SFS Suction Line Containment Isolation MOV – ORC	SFS-PL-V035
Containment Purge Inlet Containment Isolation Valve – ORC	VFS-PL-V003
Containment Purge Inlet Containment Isolation Valve – IRC	VFS-PL-V004
Containment Purge Discharge Containment Isolation Valve – IRC	VFS-PL-V009
Containment Purge Discharge Containment Isolation Valve – ORC	VFS-PL-V010
Vacuum Relief Containment Isolation A MOV – ORC	VFS-PL-V800A
Vacuum Relief Containment Isolation B MOV – ORC	VFS-PL-V800B
Fan Coolers Return Containment Isolation Valve – IRC	VWS-PL-V082
Fan Coolers Return Containment Isolation Valve – ORC	VWS-PL-V086
Fan Coolers Supply Containment Isolation Valve – ORC	VWS-PL-V058
Reactor Coolant Drain Tank (RCDT) Gas Outlet Containment Isolation Valve – IRC	WLS-PL-V067
RCDT Gas Outlet Containment Isolation Valve – ORC	WLS-PL-V068
Sump Discharge Containment Isolation Valve – IRC	WLS-PL-V055

Sump Discharge Containment Isolation Valve – ORC	WLS-PL-V057
Electrical Penetration P11	IDSA-EY-P11Z
Electrical Penetration P12	IDSA-EY-P12Y
Electrical Penetration P13	IDSA-EY-P13Y
Electrical Penetration P14	IDSD-EY-P14Z
Electrical Penetration P15	IDSD-EY-P15Y
Electrical Penetration P16	IDSD-EY-P16Y
Electrical Penetration P27	IDSC-EY-P27Z
Electrical Penetration P28	IDSC-EY-P28Y
Electrical Penetration P29	IDSC-EY-P29Y
Electrical Penetration P30	IDSB-EY-P30Z
Electrical Penetration P31	IDSB-EY-P31Y
Electrical Penetration P32	IDSB-EY-P32Y

* Excerpted from COL Appendix C Table 2.2.1-1