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Docket No.: 52-026

DEC 29 2016

ND-16-2818
10 CFR 52.99(c)(1)

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001

Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 4
ITAAC Closure Notification on Completion of ITAAC 2.6.03.02.i [Index Number 597]

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 4 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 2.6.03.02.i [Index Number 597] for verifying that an inspection was performed and concludes that the seismic Category I equipment identified in VEGP Unit 4 Combined License (COL) Appendix C, Table 2.6.3-1 is located on the Nuclear Island. 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 David Woods at 706-848-6903.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Michael J. Yox", written over a horizontal line.

Michael J. Yox
Regulatory Affairs Director Vogtle 3&4

MJY/hma/amm

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 2.6.03.02.i [Index Number 597]

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Enclosure

Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 2.6.03.02.i [Index Number 597]

ITAAC Statement

Design Commitment:

2. The seismic Category I equipment identified in Table 2.6.3-1 can withstand seismic design basis loads without loss of safety function.

Inspections, Tests, Analysis:

- i) Inspection will be performed to verify that the seismic Category I equipment identified in Table 2.6.3-1 is located on the Nuclear Island.

Acceptance Criteria:

- i) The seismic Category I equipment identified in Table 2.6.3-1 is located on the Nuclear Island.

ITAAC Determination Basis

Multiple ITAAC are performed to demonstrate that the equipment identified in VEGP Unit 4 Combined License (COL) Appendix C, Table 2.6.3-1 can withstand seismic design basis loads without loss of safety function.

This ITAAC requires an inspection be performed to verify that the Class 1E and Uninterruptible Power Supply System (IDS) equipment identified in Table 2.6.3-1 (Attachment A) are located on the Nuclear Island, which is a Seismic Category I structure. Subsequent ITAAC 2.6.03.02.ii (Index Number 598) verify that the equipment is seismically qualified and ITAAC 2.6.03.02.iii (Index Number 599) verify that the equipment is installed and seismically bounded for the as-built location (i.e., Nuclear Island). Completion of these multiple ITAAC will confirm the equipment can withstand seismic design basis loads without loss of its safety function.

The equipment location drawings (References 7-10) which are issued for construction for the IDS equipment were visually inspected and the equipment listed in Attachment A was verified to be located on the nuclear island per design. The location of the equipment as shown on the equipment location drawings (Reference 7-10) was compared to the Nuclear Island General Arrangement Plan at El 66'-6", SV4-1010-P2-001 (Reference 3); Nuclear Island General Arrangement Plan at El 82'-6", SV4-1020-P2-001 (Reference 4); Nuclear Island General Arrangement Plan at El 100'-0" & 107'-2", SV4-1030-P2-001 (Reference 5); Nuclear Island General Arrangement Plan at El 117'-6", SV4-1040-P2-001 (Reference 6) and were verified to be located within the bounds of the column lines shown on the Nuclear Island General Arrangement Plan, thereby confirming that the equipment in Attachment A is located on the Nuclear Island.

The results of the inspections are documented in the Inspection Report (Reference 1) and conclude that the seismic Category I equipment identified in Table 2.6.3-1 is located on the Nuclear Island.

ITAAC Finding Review

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of all ITAAC findings pertaining to the subject ITAAC and associated corrective actions. This review found that there are no relevant ITAAC findings associated with this ITAAC. The ITAAC completion review document number is included in the Vogtle Unit 4 ITAAC Completion Package for ITAAC 2.6.03.02.i (Reference 2) and available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.6.03.02.i was performed for VEGP Unit 4 and that the prescribed acceptance criteria are 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. SV4-IDS-ITR-001, Revision 0, "Inspection Report Confirming Class 1E and Uninterruptible Power Supply System (IDS) Seismic Category I Equipment is Located on the Nuclear Island, ITAAC 2.6.03.02.i"
2. SVP_SV0_004572, Attachment 1, "Submittal of Inspections, Test, Analyses and Acceptance Criteria (ITAAC) Completion Package for Unit 4 ITAAC 2.6.03.02.i [COL Index Number 597] (IDS System Seismic Category I Equipment Location)"
3. SV4-1010-P2-001, Revision 1, "Nuclear Island General Arrangement Plan At El. 66'-6"
4. SV4-1020-P2-001, Revision 0, "Nuclear Island General Arrangement Plan At El. 82'-6"
5. SV4-1030-P2-001, Revision 1, "Nuclear Island General Arrangement Plan At El. 100'-0" & 107'-2"
6. SV4-1040-P2-001, Revision 0, "Nuclear Island General Arrangement Plan At El. 117'-6"
7. SV4-1210-P3-001, Revision 2, "Auxiliary Building Equipment Location Plan EL 66'-6" Areas 1 & 2"
8. SV4-1220-P3-001, Revision 2, "Auxiliary Building Equipment Location Plan EL 82'-6" Areas 1 & 2"
9. SV4-1230-P3-001, Revision 2, "Auxiliary Building Equipment Location Plan EL 100'-0" Areas 1 & 2"
10. SV4-1240-P3-001, Revision 1, "Auxiliary Building Equipment Location Plan EL 117'-6" Areas 1 & 2"

Attachment A

SYSTEM: Class 1E and Uninterruptible Power Supply System (IDS)

Excerpt from COL Appendix C Table 2.6.3-1*

Equipment Name*	Tag No.*	Seismic Cat. I*	Equipment Location Plan	General Arrangement Drawings
Division A 250 Vdc 24-Hour Battery Bank	IDSA-DB-1	Yes	SV4-1210-P3-001 (Reference 7)	SV4-1010-P2-001 (Reference 3)
Division B 250 Vdc 24-Hour Battery Bank 1	IDSB-DB-1	Yes	SV4-1210-P3-001 (Reference 7)	SV4-1010-P2-001 (Reference 3)
Division B 250 Vdc 72-Hour Battery Bank 2	IDSB-DB-2	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division C 250 Vdc 24-Hour Battery Bank 1	IDSC-DB-1	Yes	SV4-1210-P3-001 (Reference 7)	SV4-1010-P2-001 (Reference 3)
Division C 250 Vdc 72-Hour Battery Bank 2	IDSC-DB-2	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division D 250 Vdc 24-Hour Battery Bank	IDSD-DB-1	Yes	SV4-1210-P3-001 (Reference 7)	SV4-1010-P2-001 (Reference 3)
Spare 250 Vdc Battery Bank	IDSS-DB-1	Yes	SV4-1210-P3-001 (Reference 7)	SV4-1010-P2-001 (Reference 3)
Division A 24-Hour Battery Charger 1	IDSA-DC-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division B 24-Hour Battery Charger 1	IDSB-DC-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division B 72-Hour Battery Charger 2	IDSB-DC-2	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division C 24-Hour Battery Charger 1	IDSC-DC-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division C 72-Hour Battery Charger 2	IDSC-DC-2	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division D 24-Hour Battery Charger 1	IDSD-DC-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Spare Battery Charger 1	IDSS-DC-1	Yes	SV4-1210-P3-001 (Reference 7)	SV4-1010-P2-001 (Reference 3)
Division A 250 Vdc Distribution Panel	IDSA-DD-1	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division B 250 Vdc Distribution Panel	IDSB-DD-1	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division C 250 Vdc Distribution Panel	IDSC-DD-1	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division D 250 Vdc Distribution Panel	IDSD-DD-1	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)

Division A 120 Vac Distribution Panel 1	IDSA-EA-1	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division A 120 Vac Distribution Panel 2	IDSA-EA-2	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division B 120 Vac Distribution Panel 1	IDSB-EA-1	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division B 120 Vac Distribution Panel 2	IDSB-EA-2	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division B 120 Vac Distribution Panel 3	IDSB-EA-3	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division C 120 Vac Distribution Panel 1	IDSC-EA-1	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division C 120 Vac Distribution Panel 2	IDSC-EA-2	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division C 120 Vac Distribution Panel 3	IDSC-EA-3	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division D 120 Vac Distribution Panel	IDSD-EA-1	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division D 120 Vac Distribution Panel 2	IDSD-EA-2	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division A Fuse Panel 4	IDSA-EA-4	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division B Fuse Panel 4	IDSB-EA-4	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division B Fuse Panel 5	IDSB-EA-5	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division B Fuse Panel 6	IDSB-EA-6	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division C Fuse Panel 4	IDSC-EA-4	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division C Fuse Panel 5	IDSC-EA-5	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division C Fuse Panel 6	IDSC-EA-6	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division D Fuse Panel 4	IDSD-EA-4	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division A Fused Transfer Switch Box 1	IDSA-DF-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division B Fused Transfer Switch Box 1	IDSB-DF-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division B Fused Transfer Switch Box 2	IDSB-DF-2	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division C Fused Transfer Switch Box 1	IDSC-DF-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division C Fused Transfer Switch Box 2	IDSC-DF-2	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)

Division D Fused Transfer Switch Box 1	IDSD-DF-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Spare Fused Transfer Switch Box 1	IDSS-DF-1	Yes	SV4-1210-P3-001 (Reference 7)	SV4-1010-P2-001 (Reference 3)
Division A 250 Vdc MCC	IDSA-DK-1	Yes	SV4-1240-P3-001 (Reference 10)	SV4-1040-P2-001 (Reference 6)
Division B 250 Vdc MCC	IDSB-DK-1	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division C 250 Vdc MCC	IDSC-DK-1	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division D 250 Vdc MCC	IDSD-DK-1	Yes	SV4-1230-P3-001 (Reference 9)	SV4-1030-P2-001 (Reference 5)
Division A 250 Vdc Switchboard 1	IDSA-DS-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division B 250 Vdc Switchboard 1	IDSB-DS-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division B 250 Vdc Switchboard 2	IDSB-DS-2	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division C 250 Vdc Switchboard 1	IDSC-DS-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division C 250 Vdc Switchboard 2	IDSC-DS-2	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division D 250 Vdc Switchboard 1	IDSD-DS-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division A Regulating Transformer	IDSA-DT-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division B Regulating Transformer	IDSB-DT-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division C Regulating Transformer	IDSC-DT-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division D Regulating Transformer	IDSD-DT-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division A 24-Hour Inverter 1	IDSA-DU-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division B 24-Hour Inverter 1	IDSB-DU-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division B 72-Hour Inverter 2	IDSB-DU-2	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division C 24-Hour Inverter 1	IDSC-DU-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division C 72-Hour Inverter 2	IDSC-DU-2	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Division D 24-Hour Inverter 1	IDSD-DU-1	Yes	SV4-1220-P3-001 (Reference 8)	SV4-1020-P2-001 (Reference 4)
Spare Battery Termination Box	IDSS-DF-3	Yes	SV4-1210-P3-001 (Reference 7)	SV4-1010-P2-001 (Reference 3)