

March 1, 2023

Docket No.: 52-026

ND-23-0159
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 2.6.03.05d.i [Index Number 613]

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 2.6.03.05d.i [Index Number 613] for verifying the IDS Divisions B and C regulating transformers supply their post-72-hour ac loads when powered from an ancillary diesel generator. 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 & 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 2.6.03.05d.i [Index Number 613]

JMC/PAW/sfr

cc: Regional Administrator, Region II
Director, Office of Nuclear Reactor Regulation (NRR)
Director, Vogtle Project Office NRR
Senior Resident Inspector – Vogtle 3 & 4

**Southern Nuclear Operating Company
ND-23-0159
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 2.6.03.05d.i [Index Number 613]**

ITAAC Statement

Design Commitment

5.d) The IDS Divisions B and C regulating transformers supply their post-72-hour ac loads when powered from an ancillary diesel generator.

Inspections/Tests/Analyses

Inspection of the as-built system will be performed.

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Acceptance Criteria

- i) Ancillary diesel generator 1 is electrically connected to regulating transformer IDSC-DT-1
- ii) Ancillary diesel generator 2 is electrically connected to regulating transformer IDSB-DT-1.

ITAAC Determination Basis

Ancillary generators 1 and 2 are provided to supply power to the Class 1E direct current (dc) and Uninterruptible Power Supply System (IDS) Division C and B regulating transformers, respectively, to supply their post-72-hour alternating current (ac) loads. This ITAAC requires an as-built system inspection to verify that each ancillary generator is electrically connected to its corresponding regulating transformer.

The cables from each ancillary diesel generator to its regulating transformer were installed in accordance with design drawings and specifications issued for construction and work package requirements. Cable continuity and completed cable terminations were inspected in accordance with the Construction Quality Verification Program (Reference 1). A review of the as-built circuit inspection records was performed to confirm ancillary diesel generator 1 is electrically connected to regulating transformer IDSC-DT-1 and ancillary diesel generator 2 is electrically connected to regulating transformer IDSB-DT-1.

The results of the inspection records are summarized in the ITAAC Technical Report (Reference 2) and confirm ancillary diesel generators 1 and 2 are electrically connected to regulating transformers IDSC-DT-1 and IDSB-DT-1, respectively.

The ITAAC Technical Report is available for NRC inspection as part of the Unit 4 ITAAC 2.6.03.05d.i 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 ITAAC 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 4 ITAAC Completion Package for ITAAC 2.6.03.05d.i (Reference 3) and is available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.6.03.05d.i was performed for VEGP Unit 4 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. 26139-000-4MP-T81C-N7101, Construction Quality Verification Program
2. SV4-IDS-ITR-800613, "Unit 4 Class 1E dc and Uninterruptible Power Supply System"
3. 2.6.03.05d.i-U4-CP-Rev0 "Completion Package for Unit 4 ITAAC 2.6.03.05d.i [Index Number 613]"