

FEB 24 2022

Docket No.: 52-025

ND-22-0088
10 CFR 52.99(c)(1)U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3
ITAAC Closure Notification on Completion of ITAAC 2.6.01.03a [Index Number 582]

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 2.6.01.03a [Index Number 582]. This ITAAC confirms that the Reactor Coolant Pump Circuit Breakers 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 & 4Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC 2.6.01.03a [Index Number 582]
MJY/GCS/sfr

To:

Southern Nuclear Operating Company/ Georgia Power Company

Mr. Peter P. Sena III

Mr. D. L. McKinney

Mr. H. Nieh

Mr. G. Chick

Mr. S. Stimac

Mr. P. Martino

Mr. J.B. Williams

Mr. M. J. Yox

Mr. A. S. Parton

Ms. K. A. Roberts

Ms. J.M. Coleman

Mr. C. T. Defnall

Mr. C. E. Morrow

Mr. K. J. Drudy

Mr. J. M. Fisher

Mr. R. L. Beilke

Mr. S. Leighty

Ms. A. C. Chamberlain

Mr. J. C. Haswell

Document Services RTYPE: VND.LI.L06

File AR.01.02.06

Nuclear Regulatory Commission

Ms. M. Bailey

Mr. M. King

Mr. G. Bowman

Ms. A. Veil

Mr. C. P. Patel

Mr. G. J. Khouri

Mr. C. J. Even

Mr. B. J. Kemker

Ms. N. C. Coover

Mr. C. Welch

Mr. J. Gaslevic

Mr. O. Lopez-Santiago

Mr. G. Armstrong

Mr. M. Webb

Mr. T. Fredette

Mr. C. Santos

Mr. B. Davis

Mr. J. Vasquez

Mr. J. Eargle

Mr. T. Fanelli

Ms. K. McCurry

Mr. J. Parent

Mr. B. Griman

Mr. V. Hall

Oglethorpe Power Corporation

Mr. R. B. Brinkman

Mr. E. Rasmussen

Municipal Electric Authority of Georgia

Mr. J. E. Fuller

Mr. S. M. Jackson

Dalton Utilities

Mr. T. Bundros

Westinghouse Electric Company, LLC

Dr. L. Oriani

Mr. D. C. Durham

Mr. M. M. Corletti

Mr. Z. S. Harper

Mr. J. L. Coward

Other

Mr. S. W. Kline, *Bechtel Power Corporation*

Ms. L. Matis, *Tetra Tech NUS, Inc.*

Dr. W. R. Jacobs, Jr., Ph.D., *GDS Associates, Inc.*

Mr. S. Roetger, *Georgia Public Service Commission*

Mr. R. L. Trokey, *Georgia Public Service Commission*

Mr. K. C. Greene, *Troutman Sanders*

Mr. S. Blanton, *Balch Bingham*

**Southern Nuclear Operating Company
ND-22-0088
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC 2.6.01.03a [Index Number 582]**

ITAAC Statement

Design Commitment

3.a) The Class 1E breaker control power for the equipment identified in Table 2.6.1-1 are powered from their respective Class 1E division.

Inspections/Tests/Analyses

Testing will be performed on the ECS 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 2.6.1-1 when the assigned Class 1E division is provided the test signal

ITAAC Determination Basis

Testing was performed on the Class 1E breaker control power for the equipment identified in the VEGP Unit 3 COL Appendix C Table 2.6.1-1 (Attachment A) to demonstrate the breaker control power is powered from its respective Class 1E division. This ITAAC performs testing on the Main ac Power System (ECS) equipment identified in Table 2.6.1-1 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 the applicable portions of ITAAC 2.5.02.05a testing (Reference 1) and confirms the PMS cabinets are powered from their respective Class 1E division. SV3-ECS-ITR 800582 (Reference 2) documents completion of power verification activities from the PMS cabinets and the Class 1E power distribution panels for the breaker control power for the equipment identified in Attachment A. Reference 2 first verified that power supply cables/wiring were installed and terminated from the applicable PMS cabinet and Class 1E power distribution panels to the respective circuit breaker 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 breaker control power for the equipment identified in Appendix A is powered from its respective Class 1E division.

The results of the testing are documented in SV3-ECS-ITR 800582 (Reference 2) and confirmed that a simulated test signal exists at the Class 1E equipment identified in Table 2.6.1-1 when the assigned Class 1E division provided the test signal.

References 1 and 2 are available for NRC inspection as part of the Unit 3 ITAAC 2.6.01.03a 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 2.6.01.03a (Reference 3) and is available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.6.01.03a 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-ECS-ITR 800582 Rev. 0, "Unit 3 Main AC Power System (ECS) Equipment Signaled from Assigned Division: ITAAC 2.6.01.03a (NRC Index #582)"
3. 2.6.01.03a-U3-CP-Rev 0, ITAAC Completion Package

Attachment A

COL Appendix C Table 2.6.1-1

| Equipment Name* | Tag No.* |
|--|-----------------|
| Reactor Coolant Pump (RCP) Circuit Breaker | ECS-ES-31 |
| RCP Circuit Breaker | ECS-ES-32 |
| RCP Circuit Breaker | ECS-ES-41 |
| RCP Circuit Breaker | ECS-ES-42 |
| RCP Circuit Breaker | ECS-ES-51 |
| RCP Circuit Breaker | ECS-ES-52 |
| RCP Circuit Breaker | ECS-ES-61 |
| RCP Circuit Breaker | ECS-ES-62 |

* Excerpted from COL Appendix C Table 2.6.1-1