



Michael J. Yox
Regulatory Affairs Director
Vogtle 3 & 4

7825 River Road
Waynesboro, GA 30830
706-848-6459 tel
410-474-8587 cell
myox@southernco.com

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U.S. Nuclear Regulatory Commission
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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3 and Unit 4
Notice of Uncompleted ITAAC 225-days Prior to Initial Fuel Load
Item 2.6.03.04f [Index Number 606]

Ladies and Gentlemen:

Pursuant to 10 CFR 52.99(c)(3), Southern Nuclear Operating Company hereby notifies the NRC that as of July 20, 2017, Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4 Uncompleted Inspection, Test, Analyses, and Acceptance Criteria (ITAAC) Item 2.6.03.04f [Index Number 606] has not been completed greater than 225-days prior to initial fuel load. The Enclosure describes the plan for completing ITAAC 2.6.03.04f [Index Number 606]. Southern Nuclear Operating Company will, at a later date, provide additional notifications for ITAAC that have not been completed 225-days prior to initial fuel load.

This notification is informed by 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. In accordance with NEI 08-01, this notification includes ITAAC for which required inspections, tests, or analyses have not been performed or have been only partially completed. All ITAAC will be fully completed and all Section 52.99(c)(3) ITAAC Closure Notifications will be submitted to NRC to support the Commission finding that all acceptance criteria are met prior to plant operation, as required by 10 CFR 52.103(g).

This letter contains no new NRC regulatory commitments.

If there are any questions, please contact David Woods at 706-848-6903.

Respectfully submitted,

Michael J. Yox
Regulatory Affairs Director Vogtle 3 & 4

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Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4
Completion Plan for Uncompleted ITAAC 2.6.03.04f [Index Number 606]

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To:

Southern Nuclear Operating Company/ Georgia Power Company

Mr. D. A. Bost (w/o enclosures)

Mr. M. D. Rauckhorst (w/o enclosures)

Mr. M. D. Meier

Mr. D. H. Jones (w/o enclosures)

Mr. D. L. McKinney

Mr. M. J. Yox

Mr. D. L. Fulton

Mr. J. D. Williams

Mr. D. F. Woods

Mr. F. H. Willis

Ms. A. L. Pugh

Mr. A. S. Parton

Mr. W. A. Sparkman

Mr. C. E. Morrow

Ms. K. M. Stacy

Mr. J. P. Redd

Ms. A. C. Chamberlain

Mr. D. R. Culver

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cc:

Nuclear Regulatory Commission

Mr. W. Jones (w/o enclosures)

Ms. J. M. Heisserer

Mr. C. P. Patel

Mr. M. E. Ernstes

Mr. G. J. Khouri

Mr. T. E. Chandler

Ms. S. E. Temple

Ms. P. Braxton

Mr. T. C. Brimfield

Mr. A. J. Lerch

Mr. C. J. Even

Ms. V. L. Ordaz

Mr. B. J. Davis

Oglethorpe Power Corporation

Mr. K. T. Haynes

Mr. R. B. Brinkman

Municipal Electric Authority of Georgia

Mr. J. E. Fuller

Mr. S. M. Jackson

Dalton Utilities

Mr. T. Bundros

WECTEC

Mr. C. A. Castell

Westinghouse Electric Company, LLC

Mr. R. Easterling (w/o enclosures)

Mr. G. Koucheravy (w/o enclosures)

Mr. D. C. Durham (w/o enclosures)

Ms. K. B. Chesko

Mr. J. Hopkins

Mr. D. Hawkins

Mr. C. F. Landon

Mr. M. L. Clyde

Ms. S. DiTommaso

Other

Mr. J. E. Hesler, *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*

Ms. S. W. Kernizan, *Georgia Public Service Commission*

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

Mr. S. Blanton, *Balch Bingham*

Mr. R. R. Newton, *SCANA*

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**Southern Nuclear Operating Company
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Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4
Completion Plan for Uncompleted ITAAC 2.6.03.04f [Index Number 606]**

ITAAC Statement

Design Commitment

4.f) Each IDS 24-hour inverter supplies its ac load.

Inspections/Tests/Analyses

Testing of each 24-hour as-built inverter will be performed by applying a simulated or real load, or a combination of simulated or real loads, equivalent to a resistive load greater than 12 kW. The inverter input voltage will be no more than 210 Vdc during the test.

Acceptance Criteria

Each 24-hour inverter supplies a line-to-line output voltage of $208 \pm 2\%$ V at a frequency of $60 \pm 0.5\%$ Hz.

ITAAC Completion Description

Testing is performed in accordance with Unit 3 and Unit 4 preoperational test procedures SV3-IDS-T1P-501 and SV4-IDS-T1P-501 (References 1 and 2, respectively) to demonstrate that each Class 1E Direct Current (dc) and Uninterruptible Power Supply System (IDS) 24-hour inverter identified in the Combined License (COL) Appendix C, Table 2.6.3-1 (see Attachment 1) supplies its Alternating Current (ac) load.

A load test is performed on each 24-hour inverter by applying a simulated load greater than the inverters design capacity of 12 kilowatts (kW) with minimum input voltage (no more than 210 Volt Direct Current (Vdc)). Key parameters were continuously monitored and recorded during the test, including input voltage, resistive applied load (i.e., current), output voltage, and output frequency. Output voltage was verified to meet the specified acceptance criteria of $208 \pm 2\%$ V at a frequency of $60 \pm 0.5\%$ Hertz (Hz). The recorded voltage and frequency remained within the ranges identified in Attachment 1 for each IDS 24-hour inverter.

The Unit 3 and Unit 4 preoperational test results reports SV3-IDS-T2R-501 and SV4-IDS-T2R-501 (References 3 and 4, respectively) confirm that each IDS 24-hour inverter supplies a line-to-line output voltage of $208 \pm 2\%$ V at a frequency of $60 \pm 0.5\%$ Hz.

References 1 through 4 are available for NRC inspection as part of the ITAAC 2.6.03.04f Completion Package (Reference 5).

List of ITAAC Findings

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.

References (available for NRC inspection)

1. SV3-IDS-T1P-501, "Class 1E DC and UPS System Preoperational Test Procedure"
2. SV4-IDS-T1P-501, "Class 1E DC and UPS System Preoperational Test Procedure"
3. SV3-IDS-T2R-501, "Class 1E DC and UPS System Preoperational Test Results Report"
4. SV4-IDS-T2R-501, "Class 1E DC and UPS System Preoperational Test Results Report"
5. ITAAC 2.6.03.04f Completion Package
6. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment 1

***Excerpt from Combined License Appendix C Table 2.6.3-1**

Unit	*Component Name	*Tag No.	Recorded Voltage Range (203.84 – 212.16)	Recorded Frequency Range (59.7 – 60.3)
3	Division A 24-Hour Inverter 1	IDSA-DU-1	XXX.XX-YYY.YY	XX.X-YY.Y
3	Division B 24-Hour Inverter 1	IDSB-DU-1	XXX.XX-YYY.YY	XX.X-YY.Y
3	Division C 24-Hour Inverter 1	IDSC-DU-1	XXX.XX-YYY.YY	XX.X-YY.Y
3	Division D 24-Hour Inverter 1	IDSD-DU-1	XXX.XX-YYY.YY	XX.X-YY.Y
4	Division A 24-Hour Inverter 1	IDSA-DU-1	XXX.XX-YYY.YY	XX.X-YY.Y
4	Division B 24-Hour Inverter 1	IDSB-DU-1	XXX.XX-YYY.YY	XX.X-YY.Y
4	Division C 24-Hour Inverter 1	IDSC-DU-1	XXX.XX-YYY.YY	XX.X-YY.Y
4	Division D 24-Hour Inverter 1	IDSD-DU-1	XXX.XX-YYY.YY	XX.X-YY.Y