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Docket No.: 52-025  
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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 and Unit 4  
ITAAC Closure Notification on Completion of ITAAC 2.3.02.08a.ii [Index Number 302]

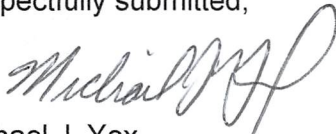
Ladies and Gentlemen:

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 and Unit 4 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 2.3.02.08a.ii [Index Number 302] for verifying the Chemical and Volume Control System (CVS) provides makeup water to the Reactor Coolant System (RCS). 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 Tom Petrak at 706-848-1575.

Respectfully submitted,

Michael J. Yox  
Regulatory Affairs Director Vogtle 3 & 4Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4  
Completion of ITAAC 2.3.02.08a.ii [Index Number 302]

MJY/GJL/sfr

U.S. Nuclear Regulatory Commission

ND-19-0257

Page 2 of 3

To:

**Southern Nuclear Operating Company/ Georgia Power Company**

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

Mr. D. L. McKinney (w/o enclosures)

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

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

Mr. J. B. Klecha

Mr. G. Chick

Mr. M. J. Yox

Mr. A. S. Parton

Ms. K. A. Roberts

Mr. T. G. Petrak

Mr. W. A. Sparkman

Mr. C. T. Defnall

Mr. C. E. Morrow

Mr. J. L. Hughes

Ms. K. M. Stacy

Ms. A. C. Chamberlain

Mr. J. C. Haswell

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cc:

**Nuclear Regulatory Commission**

Mr. W. Jones (w/o enclosures)

Mr. F. D. Brown

Ms. J. M. Heisserer

Mr. C. P. Patel

Mr. G. J. Khouri

Ms. S. E. Temple

Mr. N. D. Karlovich

Mr. A. Lerch

Mr. C. J. Even

Mr. B. J. Kemker

Ms. N. C. Coovert

Mr. C. Welch

Mr. I. Cozens

Mr. J. Gaslevic

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

U.S. Nuclear Regulatory Commission

ND-19-0257

Page 3 of 3

**Westinghouse Electric Company, LLC**

Dr. L. Oriani (w/o enclosures)

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

Mr. M. M. Corletti

Ms. L. G. Iller

Ms. J. Monahan

Mr. J. L. Coward

**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*

U.S. Nuclear Regulatory Commission  
ND-19-0257 Enclosure  
Page 1 of 3

**Southern Nuclear Operating Company  
ND-19-0257  
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4  
Completion of ITAAC 2.3.02.08a.ii [Index Number 302]**

## **ITAAC Statement**

### **Design Commitment**

8.a) The CVS provides makeup water to the RCS.

### **Inspections, Tests, Analysis**

ii) Inspection of the boric acid storage tank volume will be performed.

### **Acceptance Criteria**

ii) The volume in the boric acid storage tank is at least 70,000 gallons between the tank suction point and the tank overflow.

## **ITAAC Determination Basis**

Multiple ITAAC are performed to demonstrate that the Chemical and Volume Control System (CVS) provides makeup water to the Reactor Coolant System (RCS). This ITAAC performs inspections to verify volumes in Unit 3 and Unit 4 boric acid storage tanks (BAST)(SV3-CVS-MT-01 and SV4-CVS-MT-01) are at least 70,000 gallons between the tank suction point and the tank overflow (i.e., usable volume).

Inspections of each BAST were performed by the vendor to demonstrate the Unit 3 and Unit 4 BAST usable volume. The BAST does not have an overflow line; however, an atmospheric vent line is installed on the top of the tank dome. As-built measurements of the individual tanks' outer circumference and distance from the bottom of each outlet pipe (suction point) to the top of each tanks' cylindrical shell were taken and recorded. These measurements were used to determine each tanks' volume considering the shell thickness and unavailable volume due to tank internals.

Each BAST volume was documented in the Unit 3 and Unit 4 Vendor Volume Calculations (Reference 1 and 2, respectively) which verify the boric acid storage tank volumes are 80,349 gallons each for both Unit 3 and Unit 4 and meets the ITAAC acceptance criteria.

Reference 1 and 2 are available for NRC inspection as part of the Unit 3 and Unit 4 ITAAC completion packages (Reference 3 and 4, respectively).

## **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 reviews are documented in the ITAAC Completion Packages for ITAAC 2.3.02.08a.ii (Reference 3 and 4) and are available for NRC review.

**ITAAC Completion Statement**

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.3.02.08a.ii was performed for VEGP Unit 3 and 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. SV3-MT5A-VDR-002, Rev. 0, "Vendor Volume Calculation"
2. SV4-MT5A-VDR-002, Rev. 0, "Vendor Volume Calculation"
3. 2.3.02.08a.ii-U3-CP-Rev 0, ITAAC Completion Package
4. 2.3.02.08a.ii-U4-CP-Rev 0, ITAAC Completion Package