

Michael J. Yox  
Regulatory Affairs Director  
Vogtle 3 & 4  
Nuclear Development

Southern Nuclear  
Operating Company, Inc.  
7825 River Road  
Waynesboro, GA 30830  
Tel: 706.848.6459



Docket No.: 52-026

**DEC 27 2016**

U.S. Nuclear Regulatory Commission  
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ND-16-2806  
10 CFR 52.99(c)(1)

Southern Nuclear Operating Company  
Vogtle Electric Generating Plant Unit 4  
ITAAC Closure Notification on Completion of ITAAC 2.6.01.02.i [Index Number 579]

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 2.6.01.02.i [Index Number 579] 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 2.6.1-1 are 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".

Michael J. Yox  
Regulatory Affairs Director Vogtle 3&4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 4  
Completion of ITAAC 2.6.01.02.i [Index Number 579]

MJY/hma/amm

**To:**

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

Mr. D. A. Bost (w/o enclosures)  
Mr. M. D. Meier  
Mr. M. D. Rauckhorst (w/o enclosures)  
Mr. D. H. Jones (w/o enclosures)  
Ms. K. D. Fili  
Mr. D. L. McKinney  
Mr. D. L. Fulton  
Mr. C. E. Morrow  
Mr. M. J. Yox  
Mr. D. Woods  
Ms. A. L. Pugh  
Ms. K. M. Stacy  
Mr. A. S. Parton  
Mr. W. A. Sparkman  
Mr. J. P. Redd  
Mr. D. R. Culver  
Mr. F. H. Willis  
Ms. A. C. Chamberlain  
Document Services RTYPE: VND.LI.L06  
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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. Ernestes  
Mr. G. J. Khouri  
Mr. J. D. Fuller  
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

**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. F. Gill

Ms. L. Iller

Mr. J. Hopkins

Mr. D. Hawkins

Mr. C. F. Landon

Mr. M. Y. Shaqqo

Ms. S. DiTommaso

Mr. A. F. Dohse

**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*

**Southern Nuclear Operating Company  
ND-16-2806  
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 4  
Completion of ITAAC 2.6.01.02.i [Index Number 579]**

### **ITAAC Statement**

#### **Design Commitment:**

2. The seismic Category I equipment identified in Table 2.6.1-1 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 2.6.1-1 is located on the Nuclear Island.

#### **Acceptance Criteria:**

- i) The seismic Category I equipment identified in Table 2.6.1-1 is located on the Nuclear Island.

### **ITAAC Determination Basis**

Multiple ITAAC are performed to demonstrate that the equipment identified in VEPG Unit 4 Combined License (COL) Appendix C, Table 2.6.1-1 can withstand seismic design basis loads without loss of safety function.

This ITAAC requires an inspection be performed to verify that the Main AC Power System (ECS) equipment (circuit breakers) identified in Table 2.6.1-1 (Attachment A) are located on the Nuclear Island, which is a Seismic Category I structure. Subsequent ITAAC 2.6.01.02.ii (Index Number 580) verify that the equipment is seismically qualified and ITAAC 2.6.01.02.iii (Index Number 581) 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 5-6) which are issued for construction for each circuit breaker were visually inspected and each circuit breaker listed in Attachment A was verified to be located on the nuclear island per design. The location of the circuit breakers as shown on the equipment location drawings (Reference 5-6) was compared to the Nuclear Island General Arrangement Plan at EI 82'-6", SV4-1020-P2-001 (Reference 3) as well as the Nuclear Island General Arrangement Plan at EI 100'-0" & 107'-2", SV4-1030-P2-001 (Reference 4) 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 circuit breakers in Attachment A are 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 2.6.1-1 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 2.6.01.02.i (Reference 2) and available for NRC inspection.

### **ITAAC Completion Statement**

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.6.01.02.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-ECS-ITR-001, Revision 0, "Inspection Report Confirming ECS Equipment is Located on the Nuclear Island"
2. SVP\_SV0\_004574, Attachment 1, "Submittal of Inspections, Test, Analyses and Acceptance Criteria (ITAAC) Completion Package for Unit 4 ITAAC 2.6.01.02.i [COL Index Number 579] (ECS System Seismic Category I Equipment Location)"
3. SV4-1020-P2-001, Revision 0, "Nuclear Island General Arrangement Plan At El. 82'-6""
4. SV4-1030-P2-001, Revision 1, "Nuclear Island General Arrangement Plan At El. 100'-0" & 107'-2""
5. SV4-1220-P3-001, Revision 2, "Auxiliary Building Equipment Location Plan EL 82'-6" Areas 1 & 2"
6. SV4-1230-P3-001, Revision 2, "Auxiliary Building Equipment Location Plan EL 100'-0" Areas 1 & 2"

**Attachment A**

SYSTEM: Main AC Power System (ECS)

Excerpt from COL Appendix C Table 2.6.1-1\*

<b>Equipment Name*</b>	<b>Tag No.*</b>	<b>Seismic Cat. I*</b>	<b>Equipment Location Drawing</b>	<b>General Arrangement Drawing</b>
Reactor Coolant Pump (RCP) Circuit Breaker	ECS-ES-31	Yes	SV4-1230-P3-001 (Reference 6)	SV4-1030-P2-001 (Reference 4)
RCP Circuit Breaker	ECS-ES-32	Yes	SV4-1220-P3-001 (Reference 5)	SV4-1020-P2-001 (Reference 3)
RCP Circuit Breaker	ECS-ES-41	Yes	SV4-1230-P3-001 (Reference 6)	SV4-1030-P2-001 (Reference 4)
RCP Circuit Breaker	ECS-ES-42	Yes	SV4-1220-P3-001 (Reference 5)	SV4-1020-P2-001 (Reference 3)
RCP Circuit Breaker	ECS-ES-51	Yes	SV4-1230-P3-001 (Reference 6)	SV4-1030-P2-001 (Reference 4)
RCP Circuit Breaker	ECS-ES-52	Yes	SV4-1220-P3-001 (Reference 5)	SV4-1020-P2-001 (Reference 3)
RCP Circuit Breaker	ECS-ES-61	Yes	SV4-1230-P3-001 (Reference 6)	SV4-1030-P2-001 (Reference 4)
RCP Circuit Breaker	ECS-ES-62	Yes	SV4-1220-P3-001 (Reference 5)	SV4-1020-P2-001 (Reference 3)

Serial No.	Name	Address	City	State	Post Code
1	Amit Kumar	123 Main St	Delhi	India	110001
2	Pooja Singh	456 Park Ave	Mumbai	India	400001
3	Ravi Sharma	789 Garden Rd	Chennai	India	600001
4	Sneha Reddy	101 Market St	Hyderabad	India	500001
5	Anish Gupta	202 School Rd	Bangalore	India	560001
6	Meera Das	303 Temple Rd	Kolkata	India	700001
7	Rohan Pillai	404 Beach Rd	Coimbatore	India	641001
8	Shruti Joshi	505 Station Rd	Jaipur	India	302001
9	Arjun Mehta	606 Hospital Rd	Pune	India	411001
10	Divya Nair	707 Airport Rd	Thiruvananthapuram	India	715001

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