

June 30, 2023

Docket No.: 52-026

ND-23-0565  
10 CFR 52.99(c)(1)

U.S. Nuclear Regulatory Commission  
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Washington, DC 20555-0001

Southern Nuclear Operating Company  
Vogtle Electric Generating Plant Unit 4  
ITAAC Closure Notification on Completion of ITAAC Item 2.1.02.11c.ii [Index Number 52]

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 2.1.02.11c.ii [Index Number 52]. This ITAAC confirms that the other remotely operated valves identified in Table 2.1.2-1 as having DAS control perform the active function identified in the table after receiving a signal from DAS. The closure process for this ITAAC is based on the guidance described in Nuclear Energy Institute (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) request 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 A. 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 2.1.02.11c.ii [Index Number 52]

JMC/TJC/sfr

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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- ND-23-0565  
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 4  
Completion of ITAAC 2.1.02.11c.ii [Index Number 52]**

## **ITAAC Statement**

### **Design Commitment**

11.c) The valves identified in Table 2.1.2-1 as having DAS control perform an active safety function after receiving a signal from DAS.

### **Inspections, Tests, Analyses**

ii) Testing will be performed on the other remotely operated valves identified in Table 2.1.2-1 using real or simulated signals into the DAS.

### **Acceptance Criteria**

ii) The other remotely operated valves identified in Table 2.1.2-1 as having DAS control perform the active function identified in the table after receiving a signal from DAS.

## **ITAAC Determination Basis**

Multiple ITAAC were performed to verify that the valves identified in Combined License (COL) Appendix C Table 2.1.2-1 as having Diverse Actuation System (DAS) control perform an active safety function after receiving a signal from DAS. The subject ITAAC performed testing on each Automatic Depressurization System (ADS) stage 1, 2, and 3 motor operated valve (MOV) and ADS motor operated isolation valve.

The preoperational test was performed in accordance with Unit 4 preoperational test procedure listed in Reference 1 to confirm that the other remotely operated valves identified in Table 2.1.2-1 (Attachment A) as having DAS control perform an active safety function after receiving a signal from DAS. Testing was performed on the other remotely operated valves identified in Attachment A using simulated signals into the DAS to verify they perform the active function identified in the table after receiving a signal from DAS.

The preoperational test procedure listed in Reference 1 demonstrated that each ADS stage 1, 2, and 3 valve and ADS isolation valve received a signal from DAS and performed the active function required. The valves were tested one stage at a time and the tested valves were initially verified closed. The ADS control switches on the DAS control panel in the Main Control Room (MCR) were placed to OPEN and the valves were verified to OPEN. The valves were verified locally and in the MCR to be in the OPEN position.

The report documenting the Unit 4 preoperational test results (Reference 1), confirmed the other remotely operated valves identified in Table 2.1.2-1 as having DAS control perform the active function identified in the table after receiving a signal from DAS.

Reference 1 is available for NRC inspection as part of the ITAAC 2.1.02.11c.ii Completion Package (Reference 2).

### **ITAAC Finding Review**

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of 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 ITAAC Completion Package for ITAAC 2.1.02.11c.ii (Reference 2) and is available for NRC review.

### **ITAAC Completion Statement**

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.1.02.11c.ii 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. SV4-RCS-ITR-800052, Rev. 0, Unit 4 Recorded Results of RCS Remotely Operated Valves Other Than Squib Control From DAS: ITAAC 2.1.02.11c.ii NRC Index Number: 52
2. 2.1.02.11c.ii-U4-CP-Rev0, ITAAC Completion Package

**Attachment A**

**\*Excerpt from COL Appendix C Table 2.1.2-1**

<b>*Tag No.</b>	<b>*Equipment Name</b>	<b>*Active Function</b>	<b>*Control PMS/DAS</b>
RCS-PL-V001A	First-stage ADS Motor-operated Valve (MOV)	Transfer Open	Yes/Yes
RCS-PL-V001B	First-stage ADS MOV	Transfer Open	Yes/Yes
RCS-PL-V011A	First-stage ADS Isolation MOV	Transfer Open	Yes/Yes
RCS-PL-V011B	First-stage ADS Isolation MOV	Transfer Open	Yes/Yes
RCS-PL-V002A	Second-stage ADS MOV	Transfer Open	Yes/Yes
RCS-PL-V002B	Second-stage ADS MOV	Transfer Open	Yes/Yes
RCS-PL-V012A	Second-stage ADS Isolation MOV	Transfer Open	Yes/Yes
RCS-PL-V012B	Second-stage ADS Isolation MOV	Transfer Open	Yes/Yes
RCS-PL-V003A	Third-stage ADS MOV	Transfer Open	Yes/Yes
RCS-PL-V003B	Third-stage ADS MOV	Transfer Open	Yes/Yes
RCS-PL-V013A	Third-stage ADS Isolation MOV	Transfer Open	Yes/Yes
RCS-PL-V013B	Third-stage ADS Isolation MOV	Transfer Open	Yes/Yes