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U.S. Nuclear Regulatory Commission  
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Southern Nuclear Operating Company  
Vogtle Electric Generating Plant Unit 4  
ITAAC Closure Notification on Completion of ITAAC 2.1.02.08a.ii [Index Number 29]

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 2.1.02.08a.ii [Index Number 29] "RCS Pressurizer Safety Valves Set Pressure," for verifying that a report exists and concludes that the safety valves set pressure is 2485 psig  $\pm$  25psi. 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 Calvin Morrow at 706-848-6566.

Respectfully submitted,

Michael J. Yox  
Regulatory Affairs Director Vogtle 3&4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 4  
Completion of ITAAC 2.1.02.08a.ii [Index Number 29]

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**Southern Nuclear Operating Company  
ND-16-0362  
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 4  
Completion of ITAAC 2.1.02.08a.ii [Index Number 29]**

### **ITAAC Statement**

#### **Design Commitment:**

8.a) The pressurizer safety valves provide overpressure protection in accordance with Section III of the ASME Boiler and Pressure Vessel Code.

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

ii) Testing and analysis in accordance with ASME Code Section III will be performed to determine set pressure.

#### **Acceptance Criteria:**

ii) A report exists and concludes that the safety valves set pressure is 2485 psig  $\pm$  25 psi.

### **ITAAC Determination Basis**

Multiple ITAAC are performed to demonstrate that the pressurizer safety valves provide overpressure protection in accordance with Section III of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (Reference 1). This ITAAC performs testing and analysis to determine the set pressure is 2485 psig  $\pm$  25 psi.

In accordance with Section III of the ASME Boiler and Pressure Vessel Code, testing of the pressurizer safety valves (SV4-RCS-PL-V005A and SV4-RCS-PL-V005B) was performed. ASME Boiler and Pressure Vessel Code, Section III, NB-7400, "Set Pressures of Pressure Relief Devices," requires that at least one pressure relief device shall have a set pressure not greater than any of the components within the system, and NB-7512.2, "Safety Valve Operating Requirements - Set Pressure Tolerance," requires a maximum of 1% set pressure tolerance for pressures over 1000 psig. Three lift check tests were performed by the manufacturer for each pressurizer safety valve and the values were recorded on a valve test report which is included in the quality data package for the valves.

Pressurizer safety valve SV4-RCS-PL-V005A had three set pressure tests performed with the following results: 2489 psig, 2497 psig and 2490 psig. Pressurizer safety valve SV4-RCS-PL-V005B had three set pressure tests performed with the following results: 2498 psig, 2483 psig and 2466 psig. Analysis of these lift check test results confirms the safety valves meet the required set pressure acceptance criteria.

The "Quality Release and Certificate of Conformance for PV62 Valves" (Reference 2) exists and contains valve test reports that conclude each safety valve's set pressure is 2485 psig  $\pm$  25 psi which meets the ITAAC acceptance criteria.

### **ITAAC Finding Review**

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of ITAAC findings pertaining to the subject ITAAC and associated corrective actions. This review identified one such finding, listed below.

1. Nonconformance (NON) 99901431/2013-201-01

The corrective actions for the finding have been completed and the finding has been closed. The ITAAC completion review document number is referenced in the Vogtle Unit 4 ITAAC Completion Package for ITAAC 2.1.02.08a.ii (Reference 3) and is available for NRC inspection.

### **ITAAC Completion Statement**

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.1.02.08a.ii 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. American Society of Mechanical Engineers Boiler & Pressure Vessel Code, 1998 edition, 2000 Addenda.
2. SV4-PV62-VQQ-001, Rev. 0, "Quality Release and Certificate of Conformance for PV62 Valves."
3. SVP\_SV0\_003746, Attachment 1, Submittal of Inspections, Test, Analyses and Acceptance Criteria (ITAAC) Completion Package for Unit 4 ITAAC 2.1.02.08a.ii (29) (Verification of Pressurizer Safety Valve Set Pressure)