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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 4
ITAAC Closure Notification on Completion of ITAAC 2.2.04.08a.ii [Index Number 236]


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 2.2.04.08a.ii [Index Number 236] for verifying that the steam generator system safety valves set pressure is less than 1305 psig. 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,


forMichael J. Yox
Regulatory Affairs Director Vogtle 3&4Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 2.2.04.08a.ii [Index Number 236]

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**Southern Nuclear Operating Company
ND-18-0116
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 2.2.04.08a.ii [Index Number 236]**

ITAAC Statement

Design Commitment:

8.a) The SGS provides a heat sink for the RCS and provides overpressure protection in accordance with Section III of the ASME Boiler and Pressure Vessel Code.

Inspections, Tests, Analyses:

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

Acceptance Criteria:

ii) A report exists to indicate the set pressure of the valves is less than 1305 psig.

ITAAC Determination Basis

Multiple ITAAC are performed to demonstrate that the Steam Generator System (SGS) provides a heat sink for the Reactor Coolant System (RCS) and provides overpressure protection in accordance with Section III of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (BPVC) (Reference 1). This ITAAC requires testing and analysis in accordance with Section III of the ASME Code be performed to ensure the set pressure of the SGS Safety Valves is less than 1305 psig.

Testing was performed on the SGS safety valves listed in combined license (COL) Appendix C, Table 2.2.4-1 (Attachment A). ASME B&PVC, Section III, NC-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 NC-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 SGS safety valve and the values were recorded on a valve test report.

The test results are documented in the valve test report included in Reference 2 and noted in Attachment A which shows the set pressure for each valve is less than 1305 psig and 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 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 is included in the Vogtle Unit 4 ITAAC Completion Package for ITAAC 2.2.04.08a.ii (Reference 3) and available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.2.04.08a.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, Section III, 1998 Edition with 2000 Addenda
2. SV4-PV65-VQQ-001 Rev 1, "Quality Release and Certificate of Conformance for PV65 MSSV's"
3. 2.2.04.08a.ii-U4-CP-Rev 0, Completion Package for Unit 4 ITAAC 2.2.04.08a.ii [COL Index 236] (SGS Safety Valves Set Pressure)

Attachment A

Steam Generator System Steam Safety Valves

*Equipment Name	*Tag No.	Serial No.	Quality Release and Certificate of Conformance	Set Pressure (psig)	Test 1	Test 2	Test 3
Main Steam Safety Valve SG01	SGS-PL-V030A	JX-16-CN0023 JX-16-CN0029	SV4-PV65-VQQ-001	1185	1175 1181	1182 1184	1176 1174
Main Steam Safety Valve SG02	SGS-PL-V030B						
Main Steam Safety Valve SG01	SGS-PL-V031A	JX-16-CN0024 JX-16-CN0030	SV4-PV65-VQQ-001	1197	1188 1197	1187 1193	1189 1193
Main Steam Safety Valve SG02	SGS-PL-V031B						
Main Steam Safety Valve SG01	SGS-PL-V032A	JX-16-CN0025 JX-16-CN0031	SV4-PV65-VQQ-001	1209	1210 1198	1196 1198	1212 1205
Main Steam Safety Valve SG02	SGS-PL-V032B						
Main Steam Safety Valve SG01	SGS-PL-V033A	JX-16-CN0026 JX-16-CN0032	SV4-PV65-VQQ-001	1221	1213 1229	1213 1223	1211 1222
Main Steam Safety Valve SG02	SGS-PL-V033B						
Main Steam Safety Valve SG01	SGS-PL-V034A	JX-16-CN0027 JX-16-CN0028 JX-16-CN0033 JX-16-CN0034	SV4-PV65-VQQ-001	1232	1228 1220 1223 1229	1229 1226 1225 1232	1223 1226 1224 1230
Main Steam Safety Valve SG02	SGS-PL-V034B						
Main Steam Safety Valve SG01	SGS-PL-V035A						
Main Steam Safety Valve SG02	SGS-PL-V035B						
All set point and test values <1305							

*Excerpt from COL Appendix C Table 2.2.4-1