

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.: 52-025

AUG 22 2016

ND-16-0351
10 CFR 52.99(c)(1)

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

Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3
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 3 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 David Woods at 706-848-6903.

Respectfully submitted,

David Woods on behalf of Michael Yox

Michael J. Yox
Regulatory Affairs Director Vogtle 3&4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC 2.1.02.08a.ii [Index Number 29]

MJY/jyk/amm

To:

Southern Nuclear Operating Company/Georgia Power Company

Mr. S. E. Kuczynski (w/o enclosures)
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. B. H. Whitley
Mr. D. L. Fulton
Mr. C. E. Morrow
Mr. M. J. Yox
Mr. D. Woods
Ms. A. L. Pugh
Ms. K. Stacy
Mr. J.J. Olson
Mr. W. A. Sparkman
Mr. J. P. Redd
Mr. D. R. Culver
Document Services RTYPE: VND.LI.L06

cc:

Nuclear Regulatory Commission

Mr. M. S. Delligatti (w/o enclosures)
Mr. L. J. Burkhart (w/o enclosures)
Mr. C. P. Patel
Mr. B. M. Bovol
Ms. R. C. Reyes
Ms. M. A. Sutton
Mr. M. E. Ernstes
Mr. G. J. Khouri
Mr. M. G. Kowal
Mr. J. D. Fuller
Mr. T. E. Chandler
Ms. S. E. Temple
Ms. P. Braxton
Mr. M. A. Junge
Mr. T. Brimfield
Mr. A. Lerch

Oglethorpe Power Corporation

Mr. M. W. Price
Ms. K. T. Haynes
Ms. A. Whaley

Municipal Electric Authority of Georgia

Mr. J. E. Fuller
Mr. S. M. Jackson

Dalton Utilities

Mr. D. Cope

WECTEC

Ms. K. Stoner (w/o enclosures)
Mr. C. A. Castell

Westinghouse Electric Company, LLC

Mr. R. Easterling (w/o enclosures)
Mr. J. W. Crenshaw (w/o enclosures)
Mr. L. Woodcock (w/o enclosures)
Mr. M. P. Rubin
Mr. P. A. Russ
Mr. A. F. Dohse
Mr. M. Y. Shaggo
Ms. S. DiTommaso

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-16-0351
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 3
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.

Testing of the pressurizer safety valves (SV3-RCS-PL-V005A and SV3-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.

Pressurizer safety valve SV3-RCS-PL-V005A had three set pressure tests performed with the following results: 2506 psig, 2467 psig and 2490 psig. Pressurizer safety valve SV3-RCS-PLV005B had three set pressure tests performed with the following results: 2471 psig, 2481 psig and 2474 psig. Analysis of these lift check test results confirms the safety valves meet the required set pressure acceptance criteria.

The "AP1000 Pressurizer Safety Valve Post-Slow Pressurization Transient Production Test Report" (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 found 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 3 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 3 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. SV3-PV62-VTR-001, Rev. 0, "AP1000 Pressurizer Safety Valve Post-Slow Pressurization Transient Production Test Report"
3. SVP_SV0_004076, Attachment 1, Submittal of Inspections, Test, Analyses and Acceptance Criteria (ITAAC) Completion Package for Unit 3 ITAAC 2.1.02.08a.ii [COL Index Number 29] (RCS Pressurizer Safety Valves Set Pressure)