David H. Jones
Technical Compliance VP
Vogtle 3&4

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

Tel 706.826.4336
Fax 205.980.5443
dahjones@southernco.com

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U.S. Nuclear Regulatory Commission
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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3
Completion of ITAAC 2.1.03.11 [Index Number 86]

Ladies and Gentlemen:

In accordance with 10 CFR 52.99(c)(1), 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 2.1.03.11[Index Number 86] for verifying that the Reactor Pressure Vessel (RPV) beltline material has a Charpy upper-shelf energy of no less than 75 ft-lb. 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.

ITAAC Statement

Design Commitment

The RPV beltline material has a Charpy upper-shelf energy of no less than 75 ft-lb.

Inspection/Test/Analysis

Manufacturing tests of the Charpy V-notch specimen of the RPV beltline material will be performed.

Acceptance Criteria

A report exists and concludes that the initial RPV beltline Charpy upper-shelf energy is no less than 75 ft-lb.

ITAAC Determination Basis

Tests were performed during manufacturing to determine that the RPV beltline material has a Charpy upper-shelf energy of no less than 75 ft-lb. Testing was performed in accordance with the technical requirements of ASME Section III for Class 1 components on the RPV beltline material. The upper-shelf energy was determined by performing Charpy V-notch testing on the beltline materials, which include the upper shell, lower shell, transition ring forgings, and the weld material used to join the upper shell to the lower shell and to join the lower shell to the transition ring.

The Charpy V-notch test data was used to develop Charpy V-notch impact curves and determine the upper-shelf energy for each beltline forging and each lot of weld material. As documented in the Vogtle Unit 3 Quality Release & Certificate of Conformance (Reference 1), the upper shelf energy of the RPV beltline materials ranged from a minimum of 156 ft-lb to a maximum of 184 ft-lb, and is no less than 75 ft-lb.

The Vogtle Unit 3 Quality Release & Certificate of Conformance (Reference 1) exists and concludes that the initial RPV beltline Charpy upper-shelf energy is no less than 75 ft-lb.

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 Finding review is documented in the ITAAC Completion Package for Vogtle Unit 3 ITAAC 2.1.03.11 (Reference 2) and is available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.1.03.11 [Index Number 86] was performed for Vogtle Electric Generating Plant Unit 3, and 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.

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 Jim Davis at 706-826-5544.

Sincerely,

David Jones

SNC Technical Compliance Vice President

References (available for NRC inspection)

1. SV3-MV01-VQQ-001 Revision 2, Vogtle Unit 3 Quality Release & Certificate of Conformance
2. SVP_SV0_002003, Attachment 2, Vogtle Unit 3 ITAAC 2.1.03.11 Completion Package

cc:

Southern Nuclear Operating Company/ Georgia Power Company
Mr. J. A. Miller
Mr. B. L. Ivey
Mr. M. D. Rauckhorst
Mr. D. H. Jones
Mr. B.H. Whitley
Mr. C. H. Mahan
Mr. J. T. Davis
Mr. B. W. Waites
Document Services RTYPE: VND.LI.L06
File AR.01.02.06

Nuclear Regulatory Commission
Mr. V. M. McCree
Mr. F. M. Akstulewicz
Mr. L. Burkhart
Mr. B. C. Anderson
Mr. R. G. Joshi
Ms. D. L. McGovern
Mr. M. E. Ernstes
Mr. G. Khouri
Mr. J. D. Fuller
Mr. C. B. Abbott
Mr. C. Huffman

Georgia Power Company
Ms. C. D. Collins
Mr. R. B. Brinkman

State of Georgia
Mr. J. H. Turner

Oglethorpe Power Corporation
Mr. M. W. Price
Mr. K. T. Haynes

Municipal Electric Authority of Georgia
Mr. J. E. Fuller
Mr. S. M. Jackson

Dalton Utilities
Mr. D. Cope

CB&I
Mr. J. Simmons
Mr. G. Grant
Ms. K. Stoner
Mr. C. A. Castell

Westinghouse Electric Company, LLC
Ms. J. Falascino
Mr. S. W. Gray
Mr. F. G. Gill
Mr. P. A. Russ
Mr. L. E. Erin
Mr. G. F. Couture

Other
Mr. S. Blanton, Balch Bingham