

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



August 1, 2013

Docket No.: 52-025

ND-13-1659  
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  
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**

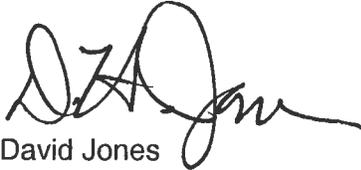
Based on the above information, SNC hereby notifies the NRC that ITAAC 2.1.03.11 [Index Number 86] was performed for Vogtle Electric Generating Plant Unit 3, and the prescribed acceptance criteria are met.

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,

A handwritten signature in black ink, appearing to read "D. Jones". The signature is fluid and cursive, with a large initial "D" and a long, sweeping tail.

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

U.S. Nuclear Regulatory Commission  
ND-13-1659  
Page 5 of 6

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