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August 7, 2014

Docket No.: 52-026

ND-14-1137
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 4
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 4 Inspection, Test, Analysis 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.

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 Paulo Albuquerque at 706-826-5531.

Respectfully submitted,


Michael J. Yox

Site Licensing Manager

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 2.1.03.11 [Index Number 86]

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File AR.01.02.06

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Southern Nuclear Operating Company

ND-14-1137

Enclosure

Vogtle Electric Generating Plant (VEGP) Unit 4

Completion of ITAAC 2.1.03.11 [Index Number 86]

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 4 Quality Release & Certificate of Conformance (Reference 1), the upper shelf energy of the RPV beltline materials ranged from a minimum of 169 ft-lb to a maximum of 205 ft-lb, and is no less than 75 ft-lb.

The Vogtle Unit 4 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 completion review is documented in the Vogtle Unit 4 ITAAC Completion Package for ITAAC 2.1.03.11 (Reference 2) and available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.1.03.11 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. SV4-MV01-VQQ-001 Revision 0, Vogtle Unit 4 Quality Release & Certificate of Conformance
2. Vogtle Unit 4 ITAAC 2.1.03.11 Completion Package