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July 29, 2015

Docket No.: 52-026

ND-15-1427
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 2.3.11.03a [Index Number 453]

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 2.3.11.03a for verifying that a report exists and concludes that the contained volume in each of the Gaseous Radwaste System (WGS) activated carbon delay beds, WGS-MV02A and WGS-MV02B, is at least 80 ft^3. 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 706-848-5531.

Respectfully submitted,

Michael J. Yox
Regulatory Affairs Director Vogtle 3&4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 2.3.11.03a [Index Number 453]

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Southern Nuclear Operating Company
ND-15-1427
Enclosure

Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 2.3.11.03a
[Index Number 453]

ITAAC Statement

Design Commitment:

3.a) The WGS provides the nonsafety-related function of processing radioactive gases prior to discharge.

Inspections, Tests, Analyses:

Inspection will be performed to verify the contained volume of each of the activated carbon delay beds, WGS-MV02A and WGS-MV02B.

Acceptance Criteria:

A report exists and concludes that the contained volume in each of the activated carbon delay beds, WGS-MV02A and WGS-MV02B, is at least 80 ft^3.

ITAAC Determination Basis

Inspections were performed to confirm that the Gaseous Radwaste System (WGS) provides the nonsafety- related function of processing radioactive gases prior to discharge. This ITAAC requires confirmation of activated carbon delay bed contained volume necessary to demonstrate appropriate capacity for expected radioactive gases produced during normal reactor operation, including anticipated operational occurrences.

Inspections of each delay bed were conducted to verify that the contained volume of each unit is at least 80 ft^3. To confirm that the volume of each of the activated carbon delay beds (WGS-MV02A and WGS-MV02B) is greater than or equal to 80 ft^3, the delay bed fabricator performed inspections, measurements, and calculations upon final fabrication of the activated carbon delay beds. To calculate the volume, the fabricator initially determined the weight of each empty delay bed using a scale. The delay beds were then filled with water, and the fabricator determined the weight of the full delay beds. The weight of the empty delay beds was subtracted from the weight of the full delay beds to determine the weight of the water within the contained volume of each delay bed. The water weight was converted to volume using the density of water, compensated for temperature at the time of measurement. The contained volume of delay bed WGS-MV02A is 86.66 ft^3, and the contained volume of delay bed WGS-MV02B is 86.67 ft^3. These measurements and calculations are documented in the "MV6H Quality Release and Certificate of Conformance" (Reference 1).

The volume for each of the Vogtle Unit 4 delay beds is greater than or equal to 80 ft^3 and meets ITAAC 2.3.11.03a 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 documented in the Vogtle Unit 4 ITAAC Completion Package for ITAAC 2.3.11.03a (Reference 2) and available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.3.11.03a 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-MV6H-VQQ-002, Revision 0, MV6H Quality Release and Certificate of Conformance

2. SVP_SV0_003351, Attachment 1, Submittal of Inspections, Test, Analyses and Acceptance Criteria (ITAAC) Completion Package for Unit 4 ITAAC 2.3.11.03a (453) (Verification of WGS Activated Carbon Delay Bed Volume)