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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 2.3.12.02 [Index Number 457]

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 2.3.12.02 [Index Number 457] for verifying that a report exists and concludes that the volume of each of the Solid Radwaste System (WSS) spent resin tanks, WSS-MV01A and WSS-MV01B, is at least 250 ft<sup>3</sup>. 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 2.3.12.02 [Index Number 457]

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**Southern Nuclear Operating Company  
ND-15-1640  
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 4  
Completion of ITAAC 2.3.12.02 [Index Number 457]**

## **ITAAC Statement**

### **Design Commitment:**

*2. The WSS provides the nonsafety-related function of storing radioactive solids prior to processing or shipment.*

### **Inspections, Tests, Analyses:**

*Inspection will be performed to verify that the volume of each of the spent resin tanks, WSS-MV01A and WSS-MV01B, is at least 250 ft<sup>3</sup>.*

### **Acceptance Criteria:**

*A report exists and concludes that the volume of each of the spent resin tanks, WSS-MV01A and WSS-MV01B, is at least 250 ft<sup>3</sup>.*

## **ITAAC Determination Basis**

Inspections were performed to verify that the Solid Radwaste System (WSS) provides the nonsafety-related function of storing radioactive solids prior to processing or shipment. This ITAAC requires confirmation of the volumes of each of the two spent resin tanks to demonstrate that the tanks have adequate storage capacity for radioactive solid waste produced during normal reactor operation, including anticipated operational occurrences.

Inspections of each spent resin tank were conducted to verify that the volume of each tank is at least 250 ft<sup>3</sup>.

To determine the volume, the fabricator initially measured the weight of each empty tank using a scale. The tanks were then filled with water and weighed to obtain the weight of each tank when full of water. The weight of each empty tank was then subtracted from the weight of each tank when full of water to determine the weight of the water contained within the volume of each tank. The water weights were then converted to volumes using the density of water, compensated for temperature at the time of measurement. The volume of spent resin tank WSS-MV01A was determined to be 302 ft<sup>3</sup>, and the volume of spent resin tank WSS-MV01B was determined to be 300 ft<sup>3</sup>.

The volume of each of the Vogtle Unit 4 spent resin tanks is at least 250 ft<sup>3</sup> and meets the acceptance criteria for ITAAC 2.3.12.02. These measurements and calculations are documented in the "Quality Release and Certificate of Conformance for MV99 Tanks" (Reference 1).

## **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 document number is included in the Vogtle Unit 4 ITAAC Completion Package for ITAAC 2.3.12.02 (Reference 2) and available for NRC inspection.

**ITAAC Completion Statement**

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.3.12.02 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-MV99-VQQ-001 Rev. 0, Quality Release and Certificate of Conformance for MV99 Tanks
2. SVP\_SV0\_003427, Attachment 1, Submittal of Inspections, Test, Analyses and Acceptance Criteria (ITAAC) Completion Package for Unit 4 ITAAC 2.3.12.02 (457) (Verification of WSS Spent Resin Tank Volume)