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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3 and Unit 4
ITAAC Closure Notification on Completion of ITAAC 2.3.03.03d [Index Number 323]

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 3 and Unit 4 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 2.3.03.03d [Index Number 323] for verifying the volume of the Standby Diesel Fuel Oil System (DOS) ancillary diesel generator fuel tank. 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 Tom Petrak at 706-848-1575.

Respectfully submitted,

Michael J. Yox
Regulatory Affairs Director Vogtle 3&4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4
Completion of ITAAC 2.3.03.03d [Index Number 323]

MJY/KJD/amw

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**Southern Nuclear Operating Company
ND-18-0336
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4
Completion of ITAAC 2.3.03.03d [Index Number 323]**

ITAAC Statement

Design Commitment:

3.d) The ancillary diesel generator fuel tank is sized to supply power to long-term safety-related post accident monitoring loads and control room lighting through a regulating transformer and one PCS recirculation pump for four days.

Inspections, Tests, Analyses:

Inspection of the ancillary diesel generator fuel tank will be performed.

Acceptance Criteria:

The volume of the ancillary diesel generator fuel tank is greater than or equal to 650 gallons.

ITAAC Determination Basis

An inspection was performed to demonstrate the Unit 3 and Unit 4 Standby Diesel Fuel Oil System (DOS) Ancillary Diesel Generator Fuel Tanks (SV3-DOS-MT-03 and SV4-DOS-MT-03, respectively) are sized to supply power to long-term safety-related post accident monitoring loads and control room lighting through a regulating transformer and one Passive Containment Cooling System (PCS) recirculation pump for four days.

An inspection was performed by the vendor to verify that each Ancillary Diesel Generator Fuel Tank is sized to supply power for 4 days as described in Subsection 9.5.4.2.2.4 of the VEGP 3&4 Updated Final Safety Analysis Report (UFSAR) (Reference 1). As-built measurements of the individual tank components (i.e., the rectangular tanks' internal length, width and height) were taken and recorded to calculate the total internal and useable tank volumes. The useable volume was determined by subtracting the volume below the oil supply nozzle and above the freeboard from the total volume. The calculated total and useable volumes were compared and verified to meet the required capacity requirements as described in Table 9.5.4-1 of the UFSAR (Reference 1). A receipt dimensional inspection was performed to validate as-built vendor measurements for Unit 3 and 4 Ancillary Diesel Generator Fuel Tanks (References 6 and 7, respectively).

The Unit 3 and Unit 4 reports (References 2 and 3, respectively) document the Unit 3 tank (SV3-DOS-MT-03) has a total volume of 698 gallons and the Unit 4 tank (SV4-DOS-MT-03) has a total volume of 696 gallons, which meets the ITAAC acceptance criteria of greater than or equal to 650 gallons.

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, which found no relevant ITAAC findings associated with this ITAAC, is documented in the Vogtle Unit 3 and Unit 4 ITAAC 2.3.03.03d Completion Package (References 4 and 5, respectively) and available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.3.03.03d was performed for VEGP Unit 3 and Unit 4 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. VEGP 3&4 Updated Final Safety Analysis Report
 - a. Subsection 9.5.4.2.2.4 Ancillary Diesel Generator Fuel Oil Storage Tank
 - b. Table 9.5.4-1 Nominal Component Data Standby Diesel Fuel Oil System
2. SV3-MS90-VDC-850004, Rev 0, "SV3 Diesel Fuel Oil Volumetric"
3. SV4-MS90-VDC-850005, Rev 0, "SV4 Diesel Fuel Oil Volumetric"
4. 2.3.03.03d-U3-CP-Rev 0, "Completion Package for Unit 3 ITAAC 2.3.03.03d (Index Number 323)"
5. 2.3.03.03d-U4-CP-Rev 0, "Completion Package for Unit 4 ITAAC 2.3.03.03d (Index Number 323)"
6. SV3-MS90-V1K-850000, Rev 0, "SV3 Ancillary Diesel Fuel Oil Storage Tank External Dimensions (Field Measurements)"
7. SV4-MS90-V1K-850000, Rev 0, "SV4 Ancillary Diesel Fuel Oil Storage Tank External Dimensions (Field Measurements)"
8. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"