

Docket No.: 52-026

ND-22-0596
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
ITAAC Closure Notification on Completion of ITAAC 2.3.07.07b.i [Index Number 402]

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 2.3.07.07b.i [Index Number 402] for verifying the water volume of the spent fuel pool, fuel transfer canal, and both gate areas above the fuel assemblies and below the spent fuel pool cooling suction piping is greater than or equal to 130,350 gallons. 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 Kelli A. Roberts at 706-848-6991.

Respectfully submitted,



Jamie M. Coleman
Regulatory Affairs Director Vogtle 3 & 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 2.3.07.07b.i [Index Number 402]

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U.S. Nuclear Regulatory Commission
ND-22-0596 Enclosure
Page 1 of 3

Southern Nuclear Operating Company
ND-22-0596
Enclosure

Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 2.3.07.07b.i [Index Number 402]

ITAAC Statement

Design Commitment

7.b) The SFS provides spent fuel cooling for 7 days by boiling the spent fuel pool water and makeup water from on-site storage tanks.

Inspections, Tests, Analyses

i) Inspection will be performed to verify the spent fuel pool includes a sufficient volume of water.

Acceptance Criteria

i) The volume of the spent fuel pool, fuel transfer canal, and both gate areas above the fuel assemblies and below the spent fuel pool cooling suction piping is greater than or equal to 130,350 gallons.

ITAAC Determination Basis

Multiple ITAAC are performed to demonstrate that the Spent Fuel Pool Cooling System (SFS) provides spent fuel cooling for 7 days by boiling the spent fuel pool water and makeup water from on-site storage tanks. This ITAAC performs an inspection to verify the volume of the spent fuel pool, fuel transfer canal, and both gate areas above the fuel assemblies and below the spent fuel pool cooling suction piping is greater than or equal to 130,350 gallons.

An inspection was performed of the as-built dimensions of the spent fuel pool, fuel transfer canal, and both gate areas above the fuel assemblies and below the spent fuel pool cooling suction piping. Measurements were taken using survey equipment in accordance with 26139-000-4MP-T81C-N3201, "Construction Survey" (Reference 1). The volume was calculated using the inspection results of survey data starting from the top of the designed fuel assemblies to the calculated invert elevation of the spent fuel pool cooling suction piping. The calculated volume of the spent fuel pool, fuel transfer canal, and gate areas above the fuel and to the elevation below the spent fuel pool cooling suction piping was compared to the minimum volume of 130,350 gallons specified in the ITAAC Acceptance Criteria. The results of the comparison are documented in Inspection Report SV4-CA20-C0K-900402 for the Unit 4 Spent Fuel Pool, Fuel Transfer Canal, and Gate Areas (Reference 2). The results of the inspection verify the calculated volume of the spent fuel pool, fuel transfer canal, and both gate areas above the fuel assemblies and below the spent fuel pool cooling suction piping is 130,466 gallons.

The results are documented in the Unit 4 Principal Closure Document (Reference 2) which show the volume of the spent fuel pool, fuel transfer canal, and both gate areas above the fuel assemblies and below the spent fuel pool cooling suction piping is greater than 130,350 gallons and meets the ITAAC acceptance criteria.

Reference 2 is available for NRC inspection as part of the Unit 4 ITAAC completion package (Reference 3).

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 ITAAC Completion Package for ITAAC 2.3.07.07b.i (Reference 3) and is available for NRC review.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.3.07.07b.i was performed for VEGP Unit 4 and that the prescribed acceptance criteria were 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. 26139-000-4MP-T81C-N3201, Rev. 7, "Construction Survey"
2. SV4-CA20-C0K-900402, Rev. 0, "ITAAC Volume of the Spent Fuel Pool, Fuel Transfer Canal, and SFP Gate Areas"
3. 2.3.07.07b.i-U4-CP-Rev0, ITAAC Completion Package