

June 13, 2023

Docket No.: 52-026

ND-23-0469
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 Item 3.3.00.10.i [Index Number 815]

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 3.3.00.10.i [Index Number 815] to verify that the total water flow from the leak chase collection system does not exceed 10 gal/hr. 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 is 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 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 3.3.00.10.i [Index Number 815]

JMC/MKO/sfr

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cc: Regional Administrator, Region II
Director, Office of Nuclear Reactor Regulation (NRR)
Director, Vogtle Project Office NRR
Senior Resident Inspector – Vogtle 3 & 4

**Southern Nuclear Operating Company
ND-23-0469
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 3.3.00.10.i [Index Number 815]**

ITAAC Statement

Design Commitment

10. The shield building roof and PCS storage tank support and retain the PCS water sources. The PCS storage tank has a stainless steel liner which provides a barrier on the inside surfaces of the tank. Leak chase channels are provided on the tank boundary liner welds.

Inspections/Tests/Analyses

i) A test will be performed to measure the leakage from the PCS storage tank based on measuring the water flow out of the leak chase collection system.

Acceptance Criteria

i) A report exists and concludes that total water flow from the leak chase collection system does not exceed 10 gal/hr.

ITAAC Determination Basis

Testing was performed in accordance with Unit 4 preoperational test procedure identified in Reference 1 to verify that total water flow from the leak chase collection system did not exceed 10 gal/hr.

Initial level for the Passive Containment Cooling Water Storage Tank (PCCWST) was established at > 96.1%. Initial condition in the Leak Chase Collection Pot (PCS-MT06) established a level at the lower flange. A leakage collection device was placed under lower flange, and any potential leakage was measured for one hour. A calculation was performed to determine the flowrate into PCS-MT06 using the volume collected and elapsed time.

The result of the testing showed that the leakage from the PCS storage tank into Unit 4 Leak Chase Collection Pot was 0.0 gal/hr. This testing concluded that total water flow from the leak chase collection system does not exceed 10 gal/hr and is documented in Reference 1.

Reference 1 is available for NRC inspection as part of Unit 4 ITAAC Completion Package (Reference 2).

ITAAC Finding Review

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of all findings pertaining to the subject ITAAC and associated corrective actions. This review found there are no relevant ITAAC findings associated with this ITAAC. The ITAAC completion review is documented in the ITAAC Completion Package for ITAAC 3.3.00.10.i (Reference 2) and is available for NRC review.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 3.3.00.10.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. SV4-PCS-ITR-800815, Rev. 0, ITAAC Technical Report "Unit 4 Test Results for PCCWST Leakage into the Leak Chase Collection System: ITAAC 3.3.00.10.i, NRC Index Number 815"
2. 3.3.00.10.i-U4-CP-Rev0, "ITAAC Completion Package"