



November 13, 2015
NND-15-0626
10 CFR 52.99(c)(1)

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555-0001

Subject: Virgil C. Summer Nuclear Station (VCSNS) Unit 3
Combined License No. NPF-94
Docket Number 52-028
ITAAC Closure Notification for ITAAC 2.2.03.08c.vi.01 [Index No. 189]

Attachments: References

The purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) in accordance with 10 CFR 52.99(c)(1) of the completion of Virgil C. Summer Nuclear Station (VCSNS) Unit 3 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) item 2.2.03.08c.vi.01 for verifying that the calculated volume of each of the Core Makeup Tanks (CMTs) results in a volume greater than or equal to 2,487ft³. The closure process for this ITAAC is based on the guidance described in NEI 08-01 (Reference 1), which was endorsed by the NRC in Regulatory Guide 1.215.

ITAAC Statement

Design Commitment:

8.c) The PXS provides RCS makeup, boration, and safety injection during design basis events.

Inspections, Tests, Analyses:

vi. Inspections of each of the following tanks will be conducted:

1. CMTs

Acceptance Criteria:

vi. The calculated volume of each of the following tanks is as follows:

1. CMTs $\geq 2,487 \text{ ft}^3$

ITAAC Determination Basis

Multiple ITAAC are performed to ensure the Passive Core Cooling System (PXS) system provides Reactor Coolant System (RCS) makeup, boration, and safety injection during design basis events. This ITAAC requires an inspection of the Core Makeup Tanks to confirm that the volume is greater than or equal to 2,487 ft³. Inspections of each of the Core Makeup Tanks (CMTs) were conducted to verify the calculated volume of each of the CMTs is greater than or equal 2,487 ft³.

Upon final fabrication of the CMTs, measurements were taken by the vendor, and calculations conducted by Westinghouse to determine that the tank volume is greater than or equal to 2,487 ft³. The volume of the Unit 3, CMT A is 2508.81 ft³, and the Unit 3, CMT B volume is 2511.21ft³. These measurements were recorded in the AP1000 Core Makeup Tank – V.C. Summer Unit 3 (VS3) As-Built Analysis (Reference 2).

The calculated volume for both V.C. Summer Unit 3 CMTs is greater than or equal to 2,487 ft³ and meets ITAAC 2.2.03.08c.vi.01 acceptance criteria.

ITAAC Finding Review

In accordance with plant procedures for ITAAC completion, SCE&G performed a review of all 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 2.2.03.08c.vi.01 (Reference 3) and available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SCE&G hereby notifies the NRC that ITAAC 2.2.03.08c.vi.01 was performed for VCSNS Unit 3 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.

We request NRC staff confirmation of this determination and publication of the required notice in the Federal Register per 10 CFR 52.99(e)(1).

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If there are any questions, please contact Nick Kellenberger at (803) 941-9834.

Sincerely,

A handwritten signature in black ink, appearing to read "April Rice". The signature is written in a cursive, flowing style.

April R. Rice
Manager
Nuclear Licensing
New Nuclear Deployment

NK/AR/vk

- c. Document Control Desk
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References (available for NRC inspection):

1. NEI 08-01, Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52.
2. VS3-MT01-Z0R-201, AP1000 Core Makeup Tank – V.C. Summer Unit 3 (VS3) As-Built Analysis
3. ITAAC 2.2.03.08c.vi.01 Completion Package