April R. Rice
Manager
New Nuclear Licensing

January 28, 2016
NND-16-0022
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 2.3.12.02 [Index No. 457]

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 2.3.12.02 for verifying that the volume of each of the spent resin tanks, WSS-MV01A and WSS-MV01B, is at least 250 ft^3. 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:

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^3.

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^3.

ITAAC Determination Basis

Inspections were performed to verify that the Solid Rad Waste 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^3.

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 302.4 ft^3, and the volume of spent resin tank WSS-MV01B was determined to be 300.3 ft^3.

The volume of each of the V.C. Summer Unit 3 spent resin tanks is at least 250 ft^3 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 2).

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 2.3.12.02 (Reference 3) and available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SCE&G hereby notifies the NRC that ITAAC 2.3.12.02 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).

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

Sincerely,

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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-MV99-VQQ-001, Quality Release and Certificate of Conformance for MV99 Tanks

3. ITAAC 2.3.12.02 Completion Package