



January 17, 2014
NND-14-0018
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 2
Combined License No. NPF-93
Docket Number 52-027
Completion of ITAAC 3.3.00.09

Attachments: 1. References
2. Appendix 1

The purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) of the completion of Virgil C. Summer Nuclear Station (VCSNS) Unit 2 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 3.3.00.09 for verifying the reactor cavity sump has a minimum concrete thickness between the bottom of the sump and the steel containment. 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:

9. The reactor cavity sump has a minimum concrete thickness as shown in Table 3.3-5 between the bottom of the sump and the steel containment.

Inspections, Tests, Analyses:

An inspection of the as-built containment building internal structures will be performed.

Acceptance Criteria:

A report exists and concludes that the reactor cavity sump has a minimum concrete thickness as shown on Table 3.3-5 between the bottom of the sump and the steel containment.

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ITAAC Determination Basis

An inspection of the as-built containment building internal structures was performed to confirm the reactor cavity sump has a minimum concrete thickness as indicated in Table 3.3-5 (excerpt included as Appendix 1) between the bottom of the sump and the steel containment. Measurements of the concrete thickness were taken using survey equipment in accordance with site survey procedures. The inspection results were compiled into a report (Reference 2) that concludes that the reactor cavity sump has a minimum concrete thickness as shown in Table 3.3-5 between the bottom of the containment sump and the steel containment. The actual measured minimum value of concrete thickness is 2 feet-7 ¼ inches, which meets the acceptance criteria of 2 feet-8 inches +/- 3 inches.

ITAAC Finding Review

In accordance with plant procedures for ITAAC completion, SCE&G 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 3.3.00.09 (Reference 3) and is available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SCE&G hereby notifies the NRC that ITAAC 3.3.00.09 was performed for VCSNS Unit 2 and 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 in accordance with 10 CFR 52.99(e) (1).

If there are any questions, please contact Ryder Thompson at (803) 941-9812.

Sincerely,



Alfred M. Paglia, Jr.
Manager
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New Nuclear Deployment

RCT/AP/jl

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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. VS2-KQ11-MTK-002, "Verification for Unit 2 Module 1110 KQ-11 WLS Sump Pump Structural Interfaces"
3. ITAAC 3.3.00.09 Completion Package

**Appendix 1 (excerpt from License No. NPF-93,
Appendix C, Amendment 7, Table 3.3-5)**

Table 3.3-5 Key Dimensions of Nuclear Island Building Features			
Key Dimension	Reference Dimension (Figure 3.3-14)	Nominal Dimension	Tolerance
Distance from Bottom of Containment Sump to Top Surface of Embedded Containment Shell	-	2 ft-8 in	± 3 in