



April R. Rice
Manager
New Nuclear Licensing

July 25, 2016
NND-16-0277
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 3.3.00.09 [Index No. 814]

Attachments: 1. References
2. Key Dimensions of Nuclear Island Building Features

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 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

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 Attachment 2) 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-7¹/₈ 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 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 3 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 per 10 CFR 52.99(e)(1).

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

Sincerely,


FOR April R. Rice
Manager
Nuclear Licensing
New Nuclear Deployment

- c. Document Control Desk
 - Catherine Haney – Region II Regional Administrator
 - Tomy Nazario – Senior Resident
 - Patrick Heher - NRC
 - Thomas R. Fredette – NRC
 - Billy Gleaves – NRC
 - James Reece – NRC
 - Marion Cherry – Santee Cooper
 - Stephen A. Byrne – SCE&G
 - Jeffrey B. Archie – SCE&G
 - Ronald A. Jones – SCE&G
 - Alan Torres – SCE&G
 - Ryder Thompson – SCE&G
 - Nick Kellenberger – SCE&G
 - April Rice – SCE&G
 - Alvis J. Bynum – SCE&G
 - Kyle Young – SCE&G
 - Margaret Felkel – SCE&G
 - Cynthia Lanier – SCE&G
 - Kathryn M. Sutton – Morgan Lewis
 - Carl Churchman – Westinghouse
 - William Macecevic – Westinghouse
 - Brian McIntyre – Westinghouse
 - Michael Frankle – Westinghouse
 - Curtis Castell – WECTEC
 - Chuck Baucom – WECTEC
 - Sean Burk – WECTEC
 - Peter Leroy – WECTEC
 - Jeff Hawkins - Fluor
 - vcsummeremail@westinghouse.com
 - vcsummer2&3project@westinghouse.com
 - DCRM-EDMS@SCANA.COM

References (available for NRC inspection):

1. NEI 08-01, Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52.
2. VS3-KQ11-MTK-001, "Verification for Unit 3 Module 1110-KQ-11 WLS Sump Pump Structural Interfaces"
3. ITAAC 3.3.00.09 Completion Package

KEY DIMENSIONS OF NUCLEAR ISLAND BUILDING FEATURES
Excerpt from COL Appendix C, 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