April R. Rice
Manager
New Nuclear Licensing

February 29, 2016
NND-16-0073
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 2.6.01.02.ii [Index No. 580]

Attachments: 1. References
2. Equipment Qualification ITAAC Compliance Table

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 2.6.01.02.ii for verification that a report exists and concludes that the seismic Category I equipment in the Main AC Power System can withstand seismic design basis loads without loss of safety function. 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 seismic Category I equipment identified in Table 2.6.1-1 can withstand seismic design basis loads without loss of safety function.

Inspections, Tests, Analyses:

ii) Type tests, analyses, or a combination of type tests and analyses of seismic Category I equipment will be performed.

Acceptance Criteria:

ii) A report exists and concludes that the seismic Category I equipment can withstand seismic design basis loads without loss of safety function.

ITAAC Determination Basis

Multiple ITAAC are performed to demonstrate that the seismic Category I equipment identified in Table 2.6.1-1 can withstand seismic design basis loads without loss of safety function. The subject ITAAC requires type tests, analyses, or a combination of type tests and analyses to be performed on seismic Category I equipment identified in Table 2.6.1-1.

The seismic Category I equipment identified in Table 2.6.1-1 (Attachment 2) were seismically qualified by type testing combined with analysis in accordance with IEEE Standard 344-1987, "IEEE Recommended Practice for Seismic Qualification of Class 1E Equipment for Nuclear Power Generating Stations" (Reference 2) to demonstrate the equipment can withstand design basis loads without loss of safety function. Additional information regarding the methods used to qualify safety-related equipment supplied for the AP1000 is provided in UFSAR Appendix 3D, "Methodology for Qualifying AP1000 Safety-Related Electrical and Mechanical Equipment," (Reference 3).

The following Main AC Power System (ECS) Equipment Qualification Summary Report (EQSR) and Equipment Qualification Data Package (EQDP) document the results of seismic testing and analysis for the seismic Category I equipment identified in Table 2.6.1-1:

- APP-ES02-VBR-003, "Equipment Qualification Data Package for the Reactor Coolant Pump (RCP) Switchgear for Use in the AP1000 Plant" (Reference 4)

- APP-ES02-VBR-001, "Equipment Qualification Summary Report for the Reactor Coolant Pump (RCP) Switchgear for Use in the AP1000 Plant" (Reference 5)

The EQSR and EQDP, which comply with the requirements of UFSAR Chapter 3, exist and conclude that the seismic Category I equipment identified in Table 2.6.1-1 can withstand seismic design basis loads without loss of safety function.

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 2.6.01.02.ii (Reference 6) and available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SCE&G hereby notifies the NRC that ITAAC 2.6.01.02.ii 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,

for April R. Rice
Manager
Nuclear Licensing
New Nuclear Deployment

NK/AR/vk

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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. IEEE 344-1987, Recommended Practices for Seismic Qualification of Class 1E Equipment for Nuclear Power Generating Stations

3. V.C. Summer Nuclear Station Unit 2 and 3 Updated Final Safety Analysis Report, Appendix 3D

4. APP-ES02-VBR-003, Equipment Qualification Data Package for the RCP Switchgear for Use in the AP1000 Plant

5. APP-ES02-VBR-001, Equipment Qualification Summary Report for the RCP Switchgear for Use in the AP1000 Plant

6. ITAAC 2.6.01.02.ii Completion Package

Attachment 2
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EQUIPMENT QUALIFICATION ITAAC COMPLIANCE TABLE
Excerpt from COL Appendix C, Table 2.6.1-1

SYSTEM: MAIN AC POWER SYSTEM

Equipment Name	Tag Number	Seismic Cat. I	Type of Qualification
Reactor Coolant Pump (RCP) Circuit Breaker	ECS-ES-31	Yes	Type Test & Analysis
RCP Circuit Breaker	ECS-ES-32	Yes	Type Test & Analysis
RCP Circuit Breaker	ECS-ES-41	Yes	Type Test & Analysis
RCP Circuit Breaker	ECS-ES-42	Yes	Type Test & Analysis
RCP Circuit Breaker	ECS-ES-51	Yes	Type Test & Analysis
RCP Circuit Breaker	ECS-ES-52	Yes	Type Test & Analysis
RCP Circuit Breaker	ECS-ES-61	Yes	Type Test & Analysis
RCP Circuit Breaker	ECS-ES-62	Yes	Type Test & Analysis