



November 14, 2016  
NND-16-0327  
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  
ITAAC Closure Notification on Completion of ITAAC 3.2.00.01a [Index No. 739]

Attachments: (1) 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 2 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 3.2.00.01a to verify that a report exists and concludes that the Human Factors Engineering Task Support Verification (TSV) was conducted in conformance with the implementation plan and includes verification that the information and controls provided by the Human-System Interface (HSI) match the display and control requirements generated by the function-based task analyses and operational sequence analyses. 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:**

1. *The HFE verification and validation program is performed in accordance with the HFE verification and validation implementation plan and includes the following activities:*

a) *HSI Task support verification*

#### **Inspections, Tests, Analyses:**

a) *An evaluation of the implementation of the HSI task support verification will be performed.*

Acceptance Criteria:

- a) *A report exists and concludes that: Task support verification was conducted in conformance with the implementation plan and includes verification that the information and controls provided by the HSI match the display and control requirements generated by the function-based task analyses and the operational sequence analyses.*

**ITAAC Determination Basis**

Multiple ITAAC are performed to verify that the Human Factors Engineering (HFE) verification and validation program, as described in V.C. Summer Unit 2 Updated Final Safety Analysis Report, Section 18.11, is performed in accordance with the HFE verification and validation implementation plan. The subject ITAAC requires that an evaluation of the implementation of the Human-System Interface (HSI) task support verification be performed.

Following the execution of the HSI task support verification, an evaluation was conducted to ensure the task support verification was conducted in conformance with the Human Factors Engineering Task Support Verification Plan (Reference 2), and to verify that the task support verification includes verification that the information and controls provided by the HSI match the display and control requirements generated by the function-based task analyses and the operational sequence analyses.

The results of the evaluation are documented in the AP1000 Human Factors Engineering Task Support Verification Summary Report, APP-OCS-GER-220 (Reference 3). This report concludes that the HSI task support verification was conducted in conformance with the implementation plan and includes verification that the information and controls provided by the HSI match the display and control requirements generated by the function-based task analyses and the operational sequence analyses.

**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 3.2.00.01a (Reference 4) and available for NRC inspection.

**ITAAC Completion Statement**

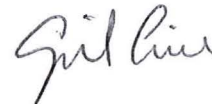
Based on the above information, SCE&G hereby notifies the NRC that ITAAC 3.2.00.01a was performed for VCSNS Unit 2 and that the prescribed acceptance criteria are met.

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 Ryder Thompson at (803) 941-9812.

Sincerely,



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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. APP-OCS-GEH-220, AP1000 Human Factors Engineering Task Support Verification Plan.
3. APP-OCS-GER-220, AP1000 Human Factors Engineering Task Support Verification Summary Report.
4. ITAAC 3.2.00.01a Completion Package.