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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 4
ITAAC Closure Notification on Completion of ITAAC 3.2.00.01a [Index Number 739]

Ladies and Gentlemen:

In accordance with 10 CFR 52.99(c)(1), the purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) of the completion of Vogtle Electric Generating Plant (VEGP) Unit 4 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 3.2.00.01a [Index Number 739] for verifying the Human Factors Engineering Task Support Verification (TSV) was performed in conformance with the implementation plan. The closure process for this ITAAC is based on the guidance described in NEI 08-01, Industry Guideline for the ITAAC Closure Process under 10 CFR Part 52, which was endorsed by the NRC in Regulatory Guide 1.215.

This letter contains no new NRC regulatory commitments. Southern Nuclear Operating Company (SNC) requests NRC staff confirmation of this determination and publication of the required notice in the Federal Register per 10 CFR 52.99.

If there are any questions, please contact David Woods at 706-848-6903.

Respectfully submitted,

Michael J. Yox
Regulatory Affairs Director Vogtle 3&4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 3.2.00.1a [Index Number 739]

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U.S. Nuclear Regulatory Commission

ND-16-1591

Page 2 of 3

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**Southern Nuclear Operating Company
ND-16-1591
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 3.2.00.01a [Index Number 739]**

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 VEGP 3&4 Updated Final Safety Analysis Report, Section 18.11, Human Factors Engineering Verification and Validation, 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 1), 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 HSI task support verification are documented in the AP1000 Human Factors Engineering Task Support Verification Summary Report (Reference 2). This report concludes that the HSI task support verification is 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. The AP1000 Human Factors Engineering Task Support Verification Summary Report is available for NRC inspection as part of the ITAAC Completion Package (Reference 3).

ITAAC Finding Review

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of all findings pertaining to the subject ITAAC and associated corrective actions. This review found there are no relevant ITAAC findings associated with this ITAAC. The ITAAC completion review document number is referenced in the Vogtle Unit 4 ITAAC completion package for ITAAC 3.2.00.01a (Reference 3) and available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 3.2.00.01a was performed for VEGP Unit 4 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.

References (available for NRC inspection)

1. APP-OCS-GEH-220 Revision 4, "AP1000 Human Factors Engineering Task Support Verification Plan"
2. APP-OCS-GER-220 Revision 1, "AP1000 Human Factors Engineering Task Support Verification Summary Report"
3. SVP_SV0_003967, Attachment 1, Submittal of Inspections, Tests, Analyses and Acceptance Criteria (ITAAC) Completion Package for Unit 4 ITAAC 3.2.00.01a [COL Index Number 739] (HFE – Task Support Verification)