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A SOUTHERN COMPANY

Docket No.: 52-025

SEP 30 2016

ND-16-1861
10 CFR 52.99(c)(3)

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001

Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3
Notice of Uncompleted ITAAC 225-days Prior to Initial Fuel Load
Item 2.6.03.08 [Index Number 617]

Ladies and Gentlemen:

Pursuant to 10 CFR 52.99(c)(3), Southern Nuclear Operating Company hereby notifies the NRC that as of September 30, 2016, Vogtle Electric Generating Plant (VEGP) Unit 3 Uncompleted Inspection, Test, Analysis, and Acceptance Criteria (ITAAC) Item 2.6.03.08 [Index Number 617] has not been completed greater than 225-days prior to initial fuel load. Enclosure 1 describes the plan for completing ITAAC 2.6.03.08 [Index Number 617]. Southern Nuclear Operating Company will at a later date provide additional notifications for ITAAC that have not been completed 225-days prior to initial fuel load.

This notification is informed by 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. In accordance with NEI 08-01, this notification includes ITAAC for which required inspections, tests, or analyses have not been performed or have been only partially completed. All ITAAC will be fully completed and all Section 52.99(c)(1) ITAAC Closure Notifications will be submitted to NRC to support the Commission finding that all acceptance criteria are met prior to plant operation, as required by 10 CFR 52.103(g).

This letter contains no new NRC regulatory commitments.

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

Respectfully submitted,

Michael J. Yox
Regulatory Affairs Director Vogtle 3&4

MJY/KMS/amm

U.S. Nuclear Regulatory Commission

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Enclosure:

1. Vogtle Electric Generating Plant (VEGP) Unit 3 Completion Plan for Uncompleted ITAAC Item 2.6.03.08 [Index Number 617]

To:

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Enclosure 1
Completion Plan

Southern Nuclear Operating Company

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Enclosure 1

Vogtle Electric Generating Plant (VEGP) Unit 3

**Completion Plan for Uncompleted ITAAC
Item 2.6.03.08 [Index No. 617]**

Subject: Uncompleted ITAAC 2.6.03.08 [Index No. 617]

ITAAC Statement

Design Commitment

8. *Circuit breakers and fuses in IDS battery, battery charger, dc distribution panel, and MCC circuits are rated to interrupt fault currents.*

Inspections/Tests/Analyses

Analyses for the as-built IDS dc electrical distribution system to determine fault currents will be performed.

Acceptance Criteria

Analyses for the as-built IDS dc electrical distribution system exist and conclude that the analyzed fault currents do not exceed the interrupt capacity of circuit breakers and fuses in the battery, battery charger, dc distribution panel, and MCC circuits, as determined by their nameplate ratings.

ITAAC Completion Description

Analyses for the as-built Class 1E dc and Uninterruptible Power Supply System (IDS) dc electrical distribution system are performed to verify that the analyzed fault currents do not exceed the interrupt capacity of circuit breakers and fuses in the battery, battery charger, dc distribution panel, and Motor Control Center (MCC) circuits, as determined by their nameplate ratings.

The minimum required interrupt capacity rating of circuit breakers and fuses in the battery, battery charger, dc distribution panel, and MCC circuits in the IDS is determined by calculation and summarized in the IDS Protection Coordination Study (Reference 1). The IDS interrupt capacity rating calculation utilizes the worst case short circuit contribution from each battery and charger in the IDS as input to the protection coordination study, which determines protective device sizes in accordance with the criteria stated in Section 7.1 of Institute of Electrical and Electronics Engineers (IEEE) Standard 946 (Reference 2).

The nameplate capacity ratings of the as-built IDS circuit breakers and fuses in the battery, battery charger, dc distribution panel, and MCC circuits are inspected in accordance with QSI 10.1-V, "Inspection Planning and Reporting" (Reference 3). The nameplate rating for each of these circuit breakers and fuses is evaluated for protection from the analytically determined system fault currents.

The combination of the as-built IDS inspection results and the analyses documented in the IDS Protection Coordination Study conclude that the analyzed fault currents do not exceed the interrupt capacity of circuit breakers and fuses in the battery, battery charger, dc distribution panel, and MCC circuits, as determined by their nameplate ratings. The as-built IDS inspection results and the IDS Protection Coordination Study analysis results are documented in the Principal Closure Document XXX (Reference 4) supporting the ITAAC 2.6.03.08 Completion Package (Reference 5).

Principal Closure Document XXX exists and is available for NRC inspection as part of the ITAAC 2.6.03.08 Completion Package.

List of ITAAC Findings

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.

References (available for NRC inspection)

1. IDS Protection Coordination Study
2. IEEE Standard 946, IEEE Recommended Practice for the Design of dc Auxiliary Power Systems for Generating Stations, 1992
3. QSI 10.1-V, Inspection Planning and Reporting
4. Principal Closure Document XXX
5. ITAAC 2.6.03.08 Completion Package
6. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"