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U.S. Nuclear Regulatory Commission
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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3
ITAAC Closure Notification on Completion of ITAAC 2.3.09.02b [Index Number 422]

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 3 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 2.3.09.02b [Index Number 422]. This ITAAC verified that testing was performed on Containment Hydrogen Control System components, each non-Class 1E power group is powered from their respective non-Class 1E power group, and simulated test signal exists at the containment hydrogen control component when the assigned non-Class 1E power group is provided the test signal.

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 is 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 Kelli Roberts at 706-848-6991.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Michael J. Yox".

Michael J. Yox
Regulatory Affairs Director Vogtle 3 & 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC 2.3.09.02b [Index Number 422]

MJY/MSV/sfr

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**Southern Nuclear Operating Company
ND-22-0080
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 3
ITAAC Closure Notification on Completion of ITAAC 2.3.09.02b [Index Number 422]**

ITAAC Statement

Design Commitment

2.b) The components identified in Table 2.3.9-2 are powered from the respective non-Class 1E power group.

Inspections, Tests, Analyses

Testing will be performed by providing a simulated test signal in each non-Class 1E power group.

Acceptance Criteria

A simulated test signal exists at the equipment identified in Table 2.3.9-2 when the assigned non-Class 1E power group is provided the test signal.

ITAAC Determination Basis

Testing is performed on the components (equipment) identified in the VEGP Unit 3 COL Appendix C Table 2.3.9-2 (Attachment A) to demonstrate they are powered from their respective non-Class 1E power group. This ITAAC performs testing on the equipment identified in Attachment A by providing a simulated test signal in each non-Class 1E power group.

The Unit 3 component test work order identified in Reference 1 documents completion of power verification activities from the non-Class 1E power supplies to the components in Attachment A. This testing verified that power supply cables/wiring are installed and terminated from the applicable non-Class 1E power supply to the respective containment hydrogen control components in Attachment A. The component testing performed in Reference 1 confirms that the containment hydrogen control components are powered from their respective non-Class 1 E power supply.

The Unit 3 component testing documented in Reference 1 confirm that a simulated test signal exists at the equipment identified in Table 2.3.9-2 when the assigned non-Class 1E power group is provided the test signal.

Reference 1 is available for NRC inspection, as well as the Unit 3 ITAAC 2.3.09.02b Completion Package (Reference 2).

ITAAC Finding Review

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of all ITAAC findings and associated corrective actions. This review found no relevant ITAAC findings associated with this ITAAC.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.3.09.02b was performed for VEGP 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.

References (available for NRC inspection)

1. SV3-VLS-ITR-800422 Rev 0, "Unit 3 Containment Hydrogen Control System"
2. 2.3.09.02b-U3-CP-Rev0, "ITAAC Completion Package"

Attachment A

COL Appendix C Table 2.3.9-2

| Equipment Name* | Tag Number* | Power Group Number* |
|------------------------|--------------------|----------------------------|
| Hydrogen Igniter 01 | VLS-EH-01 | 1 |
| Hydrogen Igniter 02 | VLS-EH-02 | 2 |
| Hydrogen Igniter 03 | VLS-EH-03 | 1 |
| Hydrogen Igniter 04 | VLS-EH-04 | 2 |
| Hydrogen Igniter 05 | VLS-EH-05 | 1 |
| Hydrogen Igniter 06 | VLS-EH-06 | 2 |
| Hydrogen Igniter 07 | VLS-EH-07 | 2 |
| Hydrogen Igniter 08 | VLS-EH-08 | 1 |
| Hydrogen Igniter 09 | VLS-EH-09 | 1 |
| Hydrogen Igniter 10 | VLS-EH-10 | 2 |
| Hydrogen Igniter 11 | VLS-EH-11 | 2 |
| Hydrogen Igniter 12 | VLS-EH-12 | 1 |
| Hydrogen Igniter 13 | VLS-EH-13 | 1 |
| Hydrogen Igniter 14 | VLS-EH-14 | 2 |
| Hydrogen Igniter 15 | VLS-EH-15 | 2 |
| Hydrogen Igniter 16 | VLS-EH-16 | 1 |
| Hydrogen Igniter 17 | VLS-EH-17 | 2 |
| Hydrogen Igniter 18 | VLS-EH-18 | 1 |

| | | |
|---------------------|-----------|---|
| Hydrogen Igniter 19 | VLS-EH-19 | 2 |
| Hydrogen Igniter 20 | VLS-EH-20 | 2 |
| Hydrogen Igniter 21 | VLS-EH-21 | 1 |
| Hydrogen Igniter 22 | VLS-EH-22 | 1 |
| Hydrogen Igniter 23 | VLS-EH-23 | 2 |
| Hydrogen Igniter 24 | VLS-EH-24 | 2 |
| Hydrogen Igniter 25 | VLS-EH-25 | 2 |
| Hydrogen Igniter 26 | VLS-EH-26 | 2 |
| Hydrogen Igniter 27 | VLS-EH-27 | 1 |
| Hydrogen Igniter 28 | VLS-EH-28 | 1 |
| Hydrogen Igniter 29 | VLS-EH-29 | 1 |
| Hydrogen Igniter 30 | VLS-EH-30 | 2 |
| Hydrogen Igniter 31 | VLS-EH-31 | 1 |
| Hydrogen Igniter 32 | VLS-EH-32 | 1 |
| Hydrogen Igniter 33 | VLS-EH-33 | 2 |
| Hydrogen Igniter 34 | VLS-EH-34 | 1 |
| Hydrogen Igniter 35 | VLS-EH-35 | 1 |
| Hydrogen Igniter 36 | VLS-EH-36 | 2 |
| Hydrogen Igniter 37 | VLS-EH-37 | 1 |
| Hydrogen Igniter 38 | VLS-EH-38 | 2 |
| Hydrogen Igniter 39 | VLS-EH-39 | 1 |

| | | |
|---------------------|-----------|---|
| Hydrogen Igniter 40 | VLS-EH-40 | 2 |
| Hydrogen Igniter 41 | VLS-EH-41 | 2 |
| Hydrogen Igniter 42 | VLS-EH-42 | 1 |
| Hydrogen Igniter 43 | VLS-EH-43 | 1 |
| Hydrogen Igniter 44 | VLS-EH-44 | 1 |
| Hydrogen Igniter 45 | VLS-EH-45 | 2 |
| Hydrogen Igniter 46 | VLS-EH-46 | 2 |
| Hydrogen Igniter 47 | VLS-EH-47 | 1 |
| Hydrogen Igniter 48 | VLS-EH-48 | 2 |
| Hydrogen Igniter 49 | VLS-EH-49 | 1 |
| Hydrogen Igniter 50 | VLS-EH-50 | 2 |
| Hydrogen Igniter 51 | VLS-EH-51 | 1 |
| Hydrogen Igniter 52 | VLS-EH-52 | 2 |
| Hydrogen Igniter 53 | VLS-EH-53 | 2 |
| Hydrogen Igniter 54 | VLS-EH-54 | 1 |
| Hydrogen Igniter 55 | VLS-EH-55 | 1 |
| Hydrogen Igniter 56 | VLS-EH-56 | 2 |
| Hydrogen Igniter 57 | VLS-EH-57 | 2 |
| Hydrogen Igniter 58 | VLS-EH-58 | 1 |
| Hydrogen Igniter 59 | VLS-EH-59 | 2 |
| Hydrogen Igniter 60 | VLS-EH-60 | 1 |

| | | |
|---------------------|-----------|---|
| Hydrogen Igniter 61 | VLS-EH-61 | 1 |
| Hydrogen Igniter 62 | VLS-EH-62 | 2 |
| Hydrogen Igniter 63 | VLS-EH-63 | 1 |
| Hydrogen Igniter 64 | VLS-EH-64 | 2 |
| Hydrogen Igniter 65 | VLS-EH-65 | 1 |
| Hydrogen Igniter 66 | VLS-EH-66 | 2 |

* Excerpted from COL Appendix C Table 2.3.9-2