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U.S. Nuclear Regulatory Commission  
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Southern Nuclear Operating Company  
Vogtle Electric Generating Plant Unit 4  
ITAAC Closure Notification on Completion of ITAAC 2.1.01.06.i [Index Number 6]

Ladies and Gentlemen:

In accordance with 10 CFR 52.99(c)(1), 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 2.1.01.06.i [Index Number 6] for verifying that an inspection was performed and concludes that the Refueling Machine and the Fuel Handling Machine are located on the Nuclear Island. 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,

A handwritten signature in blue ink that reads "Michael J. Yox". The signature is stylized with a large, looped "M" and a cursive "Yox".

Michael J. Yox  
Regulatory Affairs Director Vogtle 3&4

MJY/hma/amm

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 4  
Completion of ITAAC 2.1.01.06.i [Index Number 6]

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**Southern Nuclear Operating Company  
ND-16-2830  
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 4  
Completion of ITAAC 2.1.01.06.i [Index Number 6]**

### **ITAAC Statement**

#### **Design Commitment:**

6. The RM and FHM are designed to maintain their load carrying and structural integrity functions during a safe shutdown earthquake.

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

- i) Inspection will be performed to verify that the RM and FHM are located on the nuclear island.

#### **Acceptance Criteria:**

- i) The RM and FHM are located on the nuclear island.

### **ITAAC Determination Basis**

Multiple ITAAC are performed to demonstrate that the Refueling Machine (RM) and Fuel Handling Machine (FHM) can withstand seismic design basis loads without loss of load carrying and structural integrity functions.

This ITAAC requires an inspection to be performed to verify that the Fuel Handling and Refueling System (FHS) RM and FHM are located on the Nuclear Island, which is a Seismic Category I structure. In addition, following completion of construction, ITAAC 2.1.01.01 (Index Number 1) verifies that the location of the as-built RM and FHM are in Containment and the Auxiliary Building, (i.e., Nuclear Island), respectively.

The FHS general arrangement drawing SV4-FHS-V2-001 (Reference 2) which is issued for construction for the RM and FHM was visually inspected and the RM and FHM, listed in Attachment A, were verified to be located on the nuclear island in accordance with design. The locations of the RM and FHM as shown on the FHS general arrangement drawing was compared to the nuclear island general arrangement plan at elevation 135' – 3" (Reference 3) was verified to be located within the bounds of the column lines shown on the nuclear island general arrangement plan, thereby confirming that the RM and FHM are located on the nuclear island.

The results of the inspection are documented in the Inspection Report (Reference 1) and conclude that the RM and the FHM are located on the nuclear island.

### **ITAAC Finding Review**

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of all ITAAC 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 Vogtle Unit 4 ITAAC Completion Package for ITAAC 2.1.01.06.i (Reference 4) and available for NRC inspection.

**ITAAC Completion Statement**

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.1.01.06.i 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. SV4-FHS-ITR-003, Revision 0, "Inspection Report Confirming Refueling Machine (RM) and Fuel Handling Machine (FHM) are Located on the Nuclear Island, ITAAC 2.1.01.06.i"
2. SV4-FHS-V2-001, Revision 0, "Fuel Handling System General Arrangement Auxiliary Building & Containment Operating Deck Elevation 135' – 3'"
3. SV4-1050-P2-001, Revision 0, "Nuclear Island General Arrangement Operating Deck El. 135' – 3'"
4. SVP\_SV0\_004443, "Submittal of Inspections, Test, Analyses and Acceptance Criteria (ITAAC) Completion Package for Unit 4 ITAAC 2.1.01.06.i [Index Number 6] (FHS Refueling and Fuel Handling Machines Location)"

**Attachment A**

Fuel Handling and Refueling System (FHS)

<b>Component Name*</b>	<b>Tag No.*</b>	<b>FHS General Arrangement Drawing</b>	<b>General Arrangement Drawing</b>
Refueling Machine	FHS-FH-01	SV4-FHS-V2-001 (Reference 2)	SV4-1050-P2-001 (Reference 3)
Fuel Handling Machine	FHS-FH-02	SV4-FHS-V2-001 (Reference 2)	SV4-1050-P2-001 (Reference 3)

\*Excerpt from COL Appendix C Table 2.1.1-2