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Docket No.: 52-025

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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 3.3.00.05b [Index Number 785]

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 3.3.00.05b [Index Number 785]. An inspection of the boundaries between the rooms identified in VEGP Unit 3 Combined License (COL) Appendix C Table 3.3-2 was performed to demonstrate that the boundaries between these rooms were designed and constructed to prevent flooding of rooms that contain safety-related equipment. 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 A. Roberts at 706-848-6991.

Respectfully submitted,

A handwritten signature in black ink that reads "Jamie Coleman". The signature is fluid and cursive, with the first name "Jamie" and last name "Coleman" clearly distinguishable.

Jamie M. Coleman  
Regulatory Affairs Director Vogtle 3 & 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3  
Completion of ITAAC 3.3.00.05b [Index Number 785]

JMC/JRV/sfr

U.S. Nuclear Regulatory Commission

ND-22-0139

Page 2 of 3

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U.S. Nuclear Regulatory Commission  
ND-22-0139 Enclosure  
Page 1 of 4

**Southern Nuclear Operating Company**  
**ND-22-0139**  
**Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 3**  
**Completion of ITAAC 3.3.00.05b [Index Number 785]**

### **ITAAC Statement**

#### **Design Commitment:**

5.b) The boundaries between rooms identified in Table 3.3-2 of the auxiliary building are designed to prevent flooding of rooms that contain safety-related equipment.

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

An inspection of the auxiliary building rooms will be performed.

#### **Acceptance Criteria:**

A report exists that confirms floors and walls as identified on Table 3.3-2 have provisions to prevent flooding between rooms up to the maximum flood levels for each room defined in Table 3.3-2.

### **ITAAC Determination Basis**

An inspection of the boundaries between the rooms identified in Vogtle Electric Generating Plant (VEGP) Unit 3 Combined License (COL) Appendix C Table 3.3-2 (Attachment A), was performed to demonstrate that the boundaries between these rooms were designed and constructed to prevent flooding of rooms that contain safety-related equipment.

Inspections were performed of auxiliary building rooms to demonstrate that floors and walls as identified in Table 3.3-2 have provisions to prevent flooding between rooms up to the maximum flood levels for each room defined in COL Appendix C Table 3.3-2 (Attachment A). An inspection plan was prepared to identify all openings and penetrations on the floors and walls up to the maximum flood levels of the rooms. Each as-built opening or penetration observed and measured to be below the corresponding maximum flood level was inspected to ensure that the openings and penetrations were sealed as specified in the design documents. A final walkdown of the floors and walls was performed to ensure that all openings and penetrations were identified and inspected.

The inspection plan and results of the visual inspection of the floors and walls are documented in the Unit 3 Principal Closure Document (PCD) (Reference 1), and confirms floors and walls as identified on COL Appendix C Table 3.3-2 have provisions to prevent flooding between rooms up to the maximum flood levels for each room defined in COL Appendix C Table 3.3-2 (Attachment A).

Reference 1 is available for NRC inspection as part of the Unit 3 ITAAC 3.3.00.05b 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 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 3.3.00.05b (Reference 2) and is available for NRC review.

**ITAAC Completion Statement**

Based on the above information, SNC hereby notifies the NRC that ITAAC 3.3.00.05b was performed for VEGP Unit 3 and that the prescribed acceptance criteria were 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. SV3-1000-ITR-800785, Rev. 1, "Unit 3 Inspections of Aux Bldg. Safety-Related Equipment Rooms Flood Prevention: ITAAC 3.3.00.05b, NRC Index Number: 785"
2. 3.3.00.05b-U3-CP-Rev0, ITAAC Completion Package
3. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A  
COL Appendix C Table 3.3-2

<b>Table 3.3-2</b> <b>Nuclear Island Building Room Boundaries</b> <b>Required to Have Flood Barrier Floors and Walls</b>		
<b>Boundary/ Maximum Flood Level (Inches)</b>	<b>Between Room Number to Room Number</b>	
	<b>Room with Postulated Flooding Source</b>	<b>Adjacent Room</b>
Floor/36	12306	12211
Floor/3	12303	12203/12207
Floor/3	12313	12203/12207
Floor/1	12300	12201/12202/12207 12203/12204/12205
Floor/3	12312	12212
Wall/36	12306	12305
Floor/1	12401	12301/12302/12303 12312/12313
Wall/1	12401	12411/12412
Floor/36	12404	12304
Floor/4	12405	12305
Floor/36	12406	12306
Wall/36	12404	12401
Wall/30	12452	12421
Floor/3	12501	12401/12411/12412
Floor/3	12555	12421/12423/12422
Wall/168	12156	12111/12112
Wall/76.5	12158	12111
Wall/132	12258	12211/12212