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ND-22-0821
10 CFR 52.99(c)(1)

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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 4
ITAAC Closure Notification on Completion of ITAAC 3.3.00.13 [Index Number 819]

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 3.3.00.13 [Index Number 819]. This ITAAC verifies that the minimum horizontal clearance above floor elevation 100'-0" between the structural elements of the annex building and the nuclear island is 3 inches and that the minimum horizontal clearance above floor elevation 100'-0" between the structural elements of the turbine building and the nuclear island is 3 inches. 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 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 and last names clearly legible.

Jamie M. Coleman
Regulatory Affairs Director Vogtle 3 & 4

Enclosure: Vogtle Electric Generating Plant (VEGP)
Unit 4 Completion of ITAAC 3.3.00.13 [Index Number 819]

JMC/HBR/sfr

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cc: Regional Administrator, Region II
 Director, Office of Nuclear Reactor Regulation (NRR)
 Director, Vogtle Project Office NRR
 Senior Resident Inspector – Vogtle 3 & 4

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**Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 3.3.00.13 [Index Number 819]**

ITAAC Statement

Design Commitment

13. Separation is provided between the structural elements of the turbine and annex buildings and the nuclear island structure. This separation permits horizontal motion of the buildings in the safe shutdown earthquake without impact between structural elements of the buildings.

Inspections/Tests/Analyses

An inspection of the separation of the nuclear island from the annex and turbine building structures will be performed. The inspection will verify the specified horizontal clearance between structural elements of the adjacent buildings, consisting of the reinforced concrete walls and slabs, structural steel columns and floor beams.

Acceptance Criteria

The minimum horizontal clearance above floor elevation 100'-0" between the structural elements of the annex building and the nuclear island is 3 inches. The minimum horizontal clearance above floor elevation 100'-0" between the structural elements of the turbine building and the nuclear island is 3 inches.

ITAAC Determination Basis

An inspection was performed to demonstrate separation of the nuclear island from the annex and turbine building structures. This separation permits horizontal motion of the buildings in the safe shutdown earthquake without impact between structural elements of the buildings. The inspection verified the specified horizontal clearances between structural elements of the nuclear island and adjacent annex and turbine buildings. The structural elements consist of reinforced concrete walls and slabs, structural steel columns and floor beams. The subject ITAAC requires that the minimum horizontal clearance above floor elevation 100'-0" between the structural elements of the annex or turbine building and the nuclear island is 3 inches.

The inspections were performed on the as-built structures in accordance with the requirements of measurement guideline APP-GW-IT-001 (Reference 1), which identifies the location and frequency of inspection points for determining separation distance, to ensure the resulting measurements are representative of the entire section being inspected. The measurements were based on the size and construction type of each section. Measurements were taken using survey equipment in accordance with the site survey procedure (Reference 2).

The inspection results are contained in the Unit 4 Principal Closure Documents (References 3 through 10) and verify that the minimum horizontal clearance above floor elevation 100'-0" between the structural elements of the annex buildings and the nuclear island is 3 inches and that the minimum horizontal clearance above floor elevation 100'-0" between the structural elements of the turbine building and the nuclear island is 3 inches.

References 3 through 10 are available for NRC inspection as part of the Unit 4 ITAAC 3.3.00.13 Completion Package (Reference 11).

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 is documented in the ITAAC Completion Package in Reference 11 and is available for NRC review.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 3.3.00.13 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-GW-IT-001, Revision 1, "Guidelines for Concrete Wall and Slab Thickness Measurements"
2. 26139-000-4MP-T81C-N3201, Revision 7, "Construction Survey"
3. SV4-4030-ITR-800819, Revision 0, "Unit 4 Seismic Gap Verification for the Annex to Auxiliary Buildings Interface for just above 100'-0" Elevation"
4. SV4-4040-ITR-800819, Revision 0, "Unit 4 Seismic Gap Verification for the Auxiliary & Annex Building, EL 117'-6""
5. SV4-4050-ITR-800819, Revision 0, "Unit 4 Seismic Gap Verification Auxiliary & Annex Building, EL 135'-3""
6. SV4-1200-ITR-800819, Revision 1, "Unit 4 Seismic Gap Verification Wall 84 Along Column Line I1 from Just West of I to L, Elevation 100'-0" to 117'- 6""
7. SV4-1200-ITR-801819, Revision 0, "Unit 4 Seismic Gap Verification Wall 124 Along Column Line I1 from Just West of I to L, Elevation 117'-6" to 135'-3""
8. SV4-1200-ITR-802819, Revision 0, "Unit 4 Seismic Gap Verification Wall 140 Along Column Line I1 from Just West of I to L, Elevation 135'-3" to 155' - 0""
9. SV4-2000-ITR-800819, Revision 0, "Unit 4 Seismic Gap Verification Auxiliary & Turbine Building"
10. SV4-1260-ITR-800819, Revision 0, "Unit 4 Seismic Gap Verification Auxiliary Building Roof"
11. 3.3.00.13-U4-CP-Rev0, "ITAAC Completion Package"