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

Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3
ITAAC Closure Notification on Completion of ITAAC 2.1.03.05 [Index Number 74]

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 2.1.03.05 [Index Number 74] for verification that a report exists and concludes that the results of the hydrostatic test of the components identified in the Combined License (COL) Appendix C, Table 2.1.3-1 as American Society of Mechanical Engineers (ASME) Code Section III conform with the requirements of the ASME Code Section III for the reactor system (RXS). 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,

Michael J. Yox
Regulatory Affairs Director Vogtle 3&4

MJY/HMA/amm

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC 2.1.03.05 [Index Number 74]

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Southern Nuclear Operating Company
ND-16-2740
Enclosure

Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC 2.1.03.05 [Index Number 74]

ITAAC Statement

Design Commitment:

5. The pressure boundary components (RV, CRDMs, and incore instrument QuickLoc assemblies) identified in Table 2.1.3-1 as ASME Code Section III retain their pressure boundary integrity at their design pressure.

Inspections, Tests, Analysis:

A hydrostatic test will be performed on the components of the RXS required by the ASME Code Section III to be hydrostatically tested.

Acceptance Criteria:

A report exists and concludes that the results of the hydrostatic test of the pressure boundary components (RV, CRDMs, and incore instrument QuickLoc assemblies) conform with the requirements of the ASME Code Section III.

ITAAC Determination Basis

A hydrostatic test was performed to demonstrate that the Reactor System (RXS) pressure boundary components (RV, CRDMs, and incore instrument QuickLoc assemblies) identified in VEGP Unit 3 Combined License (COL) Appendix C, Table 2.1.3-1 (Attachment A) as ASME Code Section III retain their pressure boundary integrity at their design pressure.

The Design Specification (Reference 1) requires that the manufacturer perform hydrostatic testing of the reactor vessel, the boundaries of which are defined in Section 5.2 of the specification. The test was performed in accordance with the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (BPVC) Section III requirements (Reference 2), the results documented in the hydrostatic test report and included in the component Code Data Report. The component Code Data Report is included in the Quality Data Package (Reference 3).

The Code Data Report for each component listed in Attachment A exists and certifies that the hydrostatic test results conform to the rules for construction of the ASME Code Section III and meet the ITAAC acceptance criteria.

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 document number is included in the Vogtle Unit 3 ITAAC Completion Package for ITAAC 2.1.03.05 (Reference 4) and available for NRC inspection.

ITAAC Statement

Design Commitment:

5. The pressure boundary components (RV, CRDMs, and incore instrument QuickLoc assemblies) identified in Table 2.1.3-1 as ASME Code Section III retain their pressure boundary integrity at their design pressure.

Inspections, Tests, Analysis:

A hydrostatic test will be performed on the components of the RXS required by the ASME Code Section III to be hydrostatically tested.

Acceptance Criteria:

A report exists and concludes that the results of the hydrostatic test of the pressure boundary components (RV, CRDMs, and incore instrument QuickLoc assemblies) conform with the requirements of the ASME Code Section III.

ITAAC Determination Basis

A hydrostatic test was performed to demonstrate that the Reactor System (RXS) pressure boundary components (RV, CRDMs, and incore instrument QuickLoc assemblies) identified in VEGP Unit 3 Combined License (COL) Appendix C, Table 2.1.3-1 (Attachment A) as ASME Code Section III retain their pressure boundary integrity at their design pressure.

The Design Specification (Reference 1) requires that the manufacturer perform hydrostatic testing of the reactor vessel, the boundaries of which are defined in Section 5.0 of the specification. The test was performed in accordance with the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (BPVC) Section III requirements (Reference 2), the results documented in the hydrostatic test report and included in the component Code Data Report. The component Code Data Report is included in the Quality Data Package (Reference 3).

The Code Data Report for each component listed in Attachment A exists and certifies that the hydrostatic test results conform to the rules for construction of the ASME Code Section III and meet the ITAAC acceptance criteria.

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 document number is included in the Vogtle Unit 3 ITAAC Completion Package for ITAAC 2.1.03.05 (Reference 4) and available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.1.03.05 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. APP-MV01-Z0-101, Revision 14, "Design Specification for AP 1000 Reactor Vessel for System: Reactor Coolant System (RCS)"

2. American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (BPVC) Section III requirements as described in VEGP 3&4 Updated Final Safety Analysis Report, Section 5.2.1, Compliance with Codes and Code Cases

3. SV3-MV01-VQQ-001, Revision 3, "Reactor Vessel - Quality Release and Certificate of Conformance"

4. SVP_SV0_004560, Attachment 1, "Submittal of Inspections, Test, Analyses and Acceptance Criteria (ITAAC) Completion Package for Unit 3 ITAAC 2.1.03.05 [COL Index Number 74] (RXS System Components ASME Code Section III Hydrostatic Test)"

Attachment A:

Excerpt from Combined License Appendix C Table 2.1.3-1

Equipment Name	Tag No.	ASME Code Section III
RV	RXS-MV-01	Yes
Control Rod Drive Mechanisms (CRDMs) (69 Locations)	RXS-MV-11B06/11B08/11B10/11C05/ 11C07/11C09/11C11/11D04/11D06/11D08/ 11D10/11D12/11E03/11E05/11E07/11E09/11E11 11E13/11F02/11F04/11F06/11F08/11F10/11F12 11F14/11G03/11G05/11G07/11G09/11G11/ 11H02/11H04/11H06/11H08/11H1011G13 11H12/11H14/11J03/11J05/11J07/11J09 11J11/11J13/11K02/11K04/11K06/11K08/11K10 11K12/11K14/11L03/11L05/11L07/11L09/11L11 11L13/11M04/11M06/11M08/11M10/11M12 11N05/11N07/11N09/11N11/11P06/11P08/11P10	Yes
Incore Instrument QuickLoc Assemblies (8 Locations)	RXS-MY-Y11 through Y18	Yes