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SOUTHERN NUCLEAR
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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3
ITAAC Closure Notification on Completion of ITAAC 2.3.14.03 [Index Number 479]

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 2.3.14.03 [Index Number 479] for verifying that the volume of the Demineralized Water Transfer and Storage System (DWS) Condensate Storage Tank (CST) between the tank overflow and the startup feedwater pumps supply connection is greater than or equal to 325,000 gallons. 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

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC 2.3.14.03 [Index Number 479]

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Southern Nuclear Operating Company
ND-16-2290
Enclosure

Vogtle Electric Generating Plant (VEGP) Unit 3
ITAAC Closure Notification on Completion of ITAAC 2.3.14.03 [Index Number 479]

ITAAC Statement

Design Commitment:

3. The DWS CST provides the nonsafety-related function of water supply to the FWS startup feedwater pumps.

Inspections,Tests, Analysis:

Inspection of the DWS CST will be performed.

Acceptance Criteria:

The volume of the CST between the tank overflow and the startup feedwater pumps supply connection is greater than or equal to 325,000 gallons.

ITAAC Determination Basis

An inspection was performed to demonstrate that the volume of the Demineralized Water Transfer and Storage System (DWS) Condensate Storage Tank (CST) between the tank overflow and the startup feedwater pumps supply connection is greater than or equal to 325,000 gallons.

A calculation was performed to verify that the tank size will provide for at least 325,000 gallons of available volume. The available volume includes the volume above the top invert of the feedwater pumps supply connection nozzle and below the bottom invert of the overflow nozzle. CST DWS-MT-02 was inspected (Reference 1) to verify the as-built dimensions of the tank. In order to obtain the net working volume of the tank, which is the volume between the tank overflow and the startup feedwater pumps supply connection, the design volumes of the floating roof guide pole, floating roof pipe legs, bleeder vent pipe and the angle supports for Nozzle N-1 and N-2 internal piping were subtracted from the calculated volume of the tank and documented in Reference 1.

The inspection determined the CST volume between the tank overflow and the startup feedwater pumps supply connection is 633,452 gallons for tank DWS-MT-02 and meets 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 is documented in the Vogtle Unit 3 ITAAC Completion Package for ITAAC 2.3.14.03 (Reference 2) and available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.3.14.03 [Index Number 479] 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-DWS-ITC-800000, Condensate Storage Tank Volume Calculation, Rev. 0

2. SVP_SV0_004312, Attachment 1, "Submittal of Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Completion Package for Unit 3 ITAAC 2.3.14.03 [Index Number 479] (DWS Condensate Storage Tank Volume)"