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U.S. Nuclear Regulatory Commission
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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3 and Unit 4
Notice of Uncompleted ITAAC 225-days Prior to Initial Fuel Load
Item 2.3.07.08.ii [Index Number 410]

Ladies and Gentlemen:

Pursuant to 10 CFR 52.99(c)(3), Southern Nuclear Operating Company hereby notifies the NRC that as of June 21, 2017, Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4 Uncompleted Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 2.3.07.08.ii [Index Number 410] has not been completed greater than 225-days prior to initial fuel load. The Enclosure describes the plan for completing ITAAC 2.3.07.08.ii [Index Number 410]. Southern Nuclear Operating Company will, at a later date, provide additional notifications for ITAAC that have not been completed 225-days prior to initial fuel load.

This notification is informed by 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. In accordance with NEI 08-01, this notification includes ITAAC for which required inspections, tests, or analyses have not been performed or have been only partially completed. All ITAAC will be fully completed and all Section 52.99(c)(3) ITAAC Closure Notifications will be submitted to NRC to support the Commission finding that all acceptance criteria are met prior to plant operation, as required by 10 CFR 52.103(g).

This letter contains no new NRC regulatory commitments.

If there are any questions, please contact David Woods at 706-848-6903.

Respectfully submitted,


Michael J. Yox
Regulatory Affairs Director Vogtle 3 & 4

U.S. Nuclear Regulatory Commission

ND-17-1137

Page 2 of 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4
Completion Plan for Uncompleted ITAAC 2.3.07.08.ii [Index Number 410]

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**Southern Nuclear Operating Company
ND-17-1137
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4
Completion Plan for Uncompleted ITAAC 2.3.07.08.ii [Index Number 410]**

ITAAC Statement

Design Commitment

8. The SFS provides the nonsafety-related function of removing spent fuel decay heat using pumped flow through a heat exchanger.

Inspections/Tests/Analyses

ii) Testing will be performed to confirm that each SFS pump provides flow through its heat exchanger when taking suction from the SFP and returning flow to the SFP.

Acceptance Criteria

ii) Each SFS pump produces at least 900 gpm through its heat exchanger.

ITAAC Completion Description

Multiple ITAAC are performed to verify that the Spent Fuel Pool Cooling System (SFS) provides the nonsafety-related function of removing spent fuel decay heat using pumped flow through a heat exchanger. The subject ITAAC verifies that each SFS pump (SFS-MP-01A/B) will produce at least 900 gallons per minute (gpm) through its heat exchanger while taking suction from the Spent Fuel Pool (SFP).

Testing is performed in accordance with the Unit 3 and Unit 4 preoperational test procedures SV3-SFS-T1P-502 and SV4-SFS-T1P-502 (References 1 and 2, respectively). The test is conducted by running each of the SFS pumps individually, taking suction from and returning flow to the SFP. Once steady flow is established, instrument readings are taken at the respective SFS pump discharge flow sensor, recorded in the test procedure and corrected for measurement uncertainty. The test is performed using multiple system alignments with the demineralizers in/out of service and single and dual pump configurations.

The Unit 3 A SFS pump (SFS-MP-01A) produced a minimum flow of XXX gpm and the B SFS pump (SFS-MP-01B) produced a minimum flow of YYY gpm during testing. The Unit 4 A SFS pump (SFS-MP-01A) produced a minimum flow of XXX gpm and the B SFS pump (SFS-MP-01B) produced a minimum flow of YYY gpm during testing. The Unit 3 and Unit 4 preoperational test results reports SV3-SFS-T2R-502 and SV4-SFS-T2R-502 (References 3 and 4, respectively) confirm that each SFS pump produces at least 900 gpm through its heat exchanger when taking suction from and returning flow to the SFP.

References 1, 2, 3, and 4 are available for NRC inspection as part of the ITAAC 2.3.07.08.ii Completion Package (Reference 5).

List of ITAAC Findings

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.

References (available for NRC inspection)

1. SV3-SFS-T1P-502, "Spent Fuel Pool Cooling System Preoperational Test Procedure"
2. SV4-SFS-T1P-502, "Spent Fuel Pool Cooling System Preoperational Test Procedure"
3. SV3-SFS-T2R-502, "Spent Fuel Pool Cooling System Preoperational Test Results Report"
4. SV4-SFS-T2R-502, "Spent Fuel Pool Cooling System Preoperational Test Results Report"
5. ITAAC 2.3.07.08.ii Completion Package
6. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"