Southern Nuclear

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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 Item 2.4.02.02b [Index Number 498]

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 2.4.02.02b [Index Number 498]. This ITAAC confirms the main turbine-generator trips after receiving a signal from the Protection and Safety Monitoring System (PMS). The closure process for this ITAAC is based on guidance described in Nuclear Energy Institute (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) request 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,

Jamie Coleman

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Regulatory Affairs Director Vogtle 3 & 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC 2.4.02.02b [Index Number 498]

JMC/TJC/sfr

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Southern Nuclear Operating Company
ND-22-0305
Enclosure

Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC 2.4.02.02b [Index Number 498]

ITAAC Statement

Design Commitment

2.b) The main turbine-generator trips after receiving a signal from the PMS.

Inspections, Tests, Analyses

Testing will be performed using real or simulated signals into the PMS.

Acceptance Criteria

The main turbine-generator trips after receiving a signal from the PMS.

ITAAC Determination Basis

Testing was performed in accordance with Unit 3 preoperational test procedure listed in Reference 1 to confirm the main turbine-generator trips after receiving a signal from the Protection and Safety Monitoring System (PMS).

Testing documented in Reference 1 first closed the eight Reactor Trip Circuit Breakers (RTCBs) at their associated Reactor Trip Switchgear Cabinets. Reference 1 then confirmed that the Plant Control System (PLS) Turbine Control and Protection System (TCPS) Load Control display indicated the main turbine is not in a tripped status and the main turbine Main Stop, Intercept, and Reheat Stop valves were not closed; the Pilot Solenoid Valve and Trip Valve spool positions all indicated armed on the TCPS Trip Solenoid Testing display; and the main turbine control valves were not closed as indicated on the TCPS Control Valve Maintenance and Calibration display.

A PMS reactor trip signal was then inserted at the Primary Dedicated Safety Panel (PDSP) by placing hand switch 3-PMS-HS025, Reactor Trip, in the trip position. All eight RTCB's were verified to indicate open on the PLS Reactor System (RXS) Reactor Trip Breaker display; the TCPS Load Control display indicated a turbine trip; the Pilot Solenoid Valve and Trip Valve spool positions all indicated tripped on the TCPS Trip Solenoid Testing display; the main turbine Main Stop, Control, Intercept, and Reheat Stop valves all indicated closed on the TCPS Load Control display; and the TCPS Electrical & Plant Wide First Out Trips display indicated a PMS first out trip for the main turbine. Results of the preoperational testing are documented in Reference 1 and confirmed that the main turbine-generator trips after receiving a signal from the PMS.

Reference 1 is available for NRC inspection as part of the Unit 3 ITAAC 2.4.02.02b 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 there were no relevant findings associated with this ITAAC. The review is documented in the ITAAC Completion Package (Reference 2) and is available for NRC review.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.4.02.02b 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-MTS-ITR-800498, Rev. 0, ITAAC Technical Report Unit 3 Test Results of Turbine-Generator Trip by PMS: ITAAC 2.4.02.02b NRC Index Number: 498
2. 2.4.02.02b -U3-CP-Rev0, ITAAC Completion Package