

**Southern Nuclear Operating Company  
ND-17-1563  
Enclosure 4**

**Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4  
Docket No: 52-025 & 52-026**

**Completion Plan for Uncompleted ITAAC 2.7.06.03.ii [Index Number 727]**

## **ITAAC Statement**

### **Design Commitment**

3. The VFS provides the intermittent flow of outdoor air to purge the containment atmosphere during normal plant operation, and continuous flow during hot or cold plant shutdown conditions.

### **Inspections/Tests/Analyses**

ii) Testing will be performed to confirm that containment supply AHU fan B when operated with containment exhaust fan B provides a flow of outdoor air.

### **Acceptance Criteria**

ii) The flow rate measured at each fan is greater than or equal to 3,600 scfm.

## **ITAAC Completion Description**

Multiple ITAAC are performed to verify that the Containment Air Filtration System (VFS) provides the intermittent flow of outdoor air to purge the containment atmosphere during normal plant operation, and continuous flow during hot or cold plant shutdown conditions. The subject ITAAC verifies that containment supply Air Handling Unit (AHU) fan "B" when operated with containment exhaust fan "B" provides a flow of outdoor air with the flow rate measured at each fan is greater than or equal to 3,600 standard cubic feet per minute (scfm).

Testing is performed in accordance with Unit 3 and Unit 4 Preoperational Test Procedures SV3-VFS-T1P-501 and SV4-VFS-T1P-501 (References 1 and 2, respectively). The test is conducted by running containment supply AHU fan "B" (VFS-MA-01B) and containment exhaust fan "B" (VFS-MA-02B) and measuring airflow for each fan. The measured airflow readings are corrected for instrument accuracy and for standard conditions. The corrected airflow is compared to the acceptance criteria and verified to equal or exceed the minimum flow.

The Unit 3 containment supply AHU fan "B" produced a minimum flow of XXXX scfm and the Unit 3 containment exhaust fan "B" produced a minimum flow of YYYY scfm during testing. The Unit 4 containment supply AHU fan "B" produced a minimum flow of XXXX scfm and the Unit 4 containment exhaust fan "B" produced a minimum flow of YYYY scfm during testing. The Unit 3 and Unit 4 preoperational test results reports SV3-VFS-T2R-501 and SV4-VFS-T2R-501 (References 3 and 4, respectively) confirm that each VFS containment supply AHU fan "B" and containment exhaust fan "B" produces a flow rate measured at each fan that is greater than or equal to 3,600 scfm.

References 1 thru 4 are available for NRC inspection as part of the ITAAC 2.7.06.03.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-VFS-T1P-501, "Containment Air Filtration System Preoperational Test Procedure"
2. SV4-VFS-T1P-501, "Containment Air Filtration System Preoperational Test Procedure"
3. SV3-VFS-T2R-501, "Containment Air Filtration System Preoperational Test Results Report"
4. SV4-VFS-T2R-501, "Containment Air Filtration System Preoperational Test Results Report"
5. ITAAC 2.7.06.03.ii Completion Package
6. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"