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10 CFR 52.99(c)(1)

Southern Nuclear Operating Company  
Vogtle Electric Generating Plant Unit 4  
ITAAC Closure Notification on Completion of ITAAC 3.5.00.07 [Index Number 832]

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 4 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 3.5.00.07 [Index Number 832] for verification that the airborne radiation monitors listed in Combined License (COL) Appendix C, Table 3.5-4 exist. 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/RDH/amm

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 4  
Completion of ITAAC 3.5.00.07 [Index Number 832]

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**Southern Nuclear Operating Company  
ND-16-2799  
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 4  
Completion of ITAAC 3.5.00.07 [Index Number 832]**

### **ITAAC Statement**

#### **Design Commitment:**

7. The airborne radiation monitors listed in Table 3.5-4 are provided.

#### **Inspections, Tests, Analyses:**

Inspection for the existence of the monitors will be performed.

#### **Acceptance Criteria:**

Each of the monitors listed in Table 3.5-4 exists.

### **ITAAC Determination Basis**

This Inspection, Test, Analysis, and Acceptance Criteria (ITAAC) requires an inspection be performed to verify the existence of the airborne radiation monitors identified in Combined License (COL) Appendix C, Table 3.5-4 (Attachment A).

An inspection was performed of the airborne radiation monitors design specification (Reference 7) and manufacturer's quality data packages (Reference 1 through 6) to verify that the equipment identified in COL Appendix C, Table 3.5-4 have been fabricated and meet design requirements. The equipment numbers identified in COL Appendix C, Table 3.5-4 are for the detectors which are internal to the airborne radiation monitors. The inspection verified that each monitor has a certificate of conformance showing the monitor's tag number, part number, and serial number, and that the design requirements have been met, including having the appropriate nominal detection range to provide indication of unusual radiological events, as identified in the Tier 1 Design Description.

The inspection is documented in an inspection report (Reference 8) and results are summarized in Attachment A. The inspection confirmed the existence of each monitor listed in COL Appendix C, Table 3.5-4 which 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 document number is included in the Vogtle Unit 4 ITAAC Completion Package for ITAAC 3.5.00.07 (Reference 9) and available for NRC inspection.

### **ITAAC Completion Statement**

Based on the above information, SNC hereby notifies the NRC that ITAAC 3.5.00.07 was performed for VEGP Unit 4 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. SV4-RMS-VQQ-013, Rev. 0, "Quality Release Data Package"
2. SV4-RMS-VQQ-014, Rev. 0, "Quality Release Data Package"
3. SV4-RMS-VQQ-015, Rev. 0, "Quality Release Data Package"
4. SV4-RMS-VQQ-019, Rev. 0, "Quality Release Data Package"
5. SV4-RMS-VQQ-020, Rev. 0, "Quality Release Data Package"
6. SV4-RMS-VQQ-042, Rev. 0, "Quality Release Data Package"
7. APP-RMS-J7-001, Rev. 7, "AP1000 Radiation Monitoring System- System Specification Document"
8. SV4-RMS-ITR-001, Rev. 1, "Inspection Report Confirming Airborne Radiation Monitors Exist, ITAAC 3.5.00.07"
9. SVP\_SV0\_004455, Attachment 1, "Submittal of Inspections, Test, Analyses and Acceptance Criteria (ITAAC) Completion Package for Unit 4 ITAAC 3.5.00.07 [COL Index Number 832] (RMS Airborne Radiation Monitors)"

**Attachment A**

SYSTEM: Radiation Monitoring System (RMS)

Excerpt from COL Appendix C Table 3.5-4\*

<b>Table 3.5-4*</b> <b>Airborne Radiation Monitors</b>		<b>Radiation Monitor Tag No. Tag No</b>	<b>Quality Data Package</b>	<b>Radiation Monitor Part No / Serial No</b>
<b>Equipment List*</b>	<b>Equipment No.*</b>			
Fuel Handling Area Exhaust Radiation Monitor	VAS-RE001	<b>SV4-VAS-JS-01</b>	SV4-RMS-VQQ- 013	04643201-001 / 10010
Auxiliary Building Exhaust Radiation Monitor	VAS-RE002	<b>SV4-VAS-JS-02</b>	SV4-RMS-VQQ- 014	04643201-001 / 10009
Auxiliary Building Exhaust Radiation Monitor	VAS-RE003	<b>SV4-VAS-JS-03</b>	SV4-RMS-VQQ- 015	04643201-001 / 10008
Annex Building Exhaust Radiation Monitor	VAS-RE008	<b>SV4-VAS-JS-08</b>	SV4-RMS-VQQ- 042	04643201-001 / 10006
Health Physics and Hot Machine Shop Exhaust Radiation Monitor	VHS-RE001	<b>SV4-VHS-JS-01</b>	SV4-RMS-VQQ- 019	04641601-001 / 10005
Radwaste Building Exhaust Radiation Monitor	VRS-RE023	<b>SV4-VRS-JS-23</b>	SV4-RMS-VQQ- 020	04641601-001 / 10007