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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 3.5.00.06 [Index Number 831]

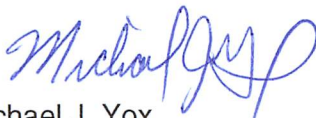
Ladies and Gentlemen:

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 3.5.00.06 [Index Number 831] for verification that the effluent radiation monitors listed in Combined License (COL) Appendix C, Table 3.5-3 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 3.5.00.06 [Index Number 831]

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**Southern Nuclear Operating Company  
ND-16-2832  
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 4  
Completion of ITAAC 3.5.00.06 [Index Number 831]**

### **ITAAC Statement**

#### **Design Commitment:**

6. The effluent radiation monitors listed in Table 3.5-3 are provided.

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

Inspection for the existence of the monitors will be performed.

#### **Acceptance Criteria:**

Each of the monitors listed in Table 3.5-3 exists.

### **ITAAC Determination Basis**

This Inspection, Test, Analysis, and Acceptance Criteria (ITAAC) requires an inspection be performed to verify the existence of the effluent radiation monitors identified in Combined License (COL) Appendix C, Table 3.5-3 (Attachment A).

An inspection was performed of the effluent radiation monitors' system specification document (Reference 5) and manufacturer's quality data packages (Reference 1 through 4) to verify that the equipment identified in COL Appendix C, Table 3.5-3 have been fabricated and meet design requirements. The equipment numbers identified in COL Appendix C, Table 3.5-3 are for the detectors which are internal to the effluent 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 6) and results are summarized in Attachment A. The inspection confirmed the existence of each monitor listed in COL Appendix C, Table 3.5-3 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 3.5.00.06 (Reference 7) and available for NRC inspection.

**ITAAC Completion Statement**

Based on the above information, SNC hereby notifies the NRC that ITAAC 3.5.00.06 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-043, Rev. 0, "Quality Release Data Package"
2. SV4-RMS-VQQ-012, Rev. 0, "Quality Release Data Package"
3. SV4-RMS-VQQ-022, Rev. 0, "Quality Release Data Package"
4. SV4-RMS-VQQ-023, Rev. 0, "Quality Release Data Package"
5. APP-RMS-J7-001, Rev. 7, "AP1000 Radiation Monitoring System- System Specification Document"
6. SV4-RMS-ITR-002, Rev. 1, "Inspection Report Confirming Effluent Radiation Monitors Exist, ITAAC 3.5.00.06"
7. SVP\_SV0\_004453, Attachment 1, "Submittal of Inspections, Test, Analyses and Acceptance Criteria (ITAAC) Completion Package for Unit 4 ITAAC 3.5.00.06 [COL Index Number 831] (RMS Effluent Radiation Monitors)"

**Attachment A**

SYSTEM: Radiation Monitoring System (RMS)

Excerpt from COL Appendix C Table 3.5-3\*

<b>Table 3.5-3* Effluent Radiation Monitors</b>		<b>Radiation Monitor Tag No.</b>	<b>Quality Data Package</b>	<b>Radiation Monitor Part No / Serial No</b>
<b>Equipment List*</b>	<b>Equipment No.*</b>			
Plan Vent (Normal Range Particulate)	VFS-RE101	SV4-VFS-JS-01	SV4-RMS-VQQ- 043	04646001-001/ 10003
Plant Vent (Normal Range Iodine)	VFS-RE102			
Plant Vent (Normal Range Radiogas)	VFS-RE103			
Plant Vent (Mid Range Radiogas)	VFS-RE104A	SV4-VFS-JS-02		
Plant Vent (High Range Radiogas)	VFS-RE104B			
Turbine Island Vent <sup>(1)</sup>	TDS-RE001	SV4-TDS-JS-01	SV4-RMS-VQQ- 012	04643101-001/ 10000
Liquid Radwaste Discharge	WLS-RE229	SV4-WLS-JS- 229	SV4-RMS-VQQ- 022	04644701-003/ 10002
Wastewater Discharge	WWS-RE021	SV4-WWS-JS- 21	SV4-RMS-VQQ- 023	04644601-001/ 10002

**Note:**

1. The turbine island vent includes a low and a high range detector.