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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3
ITAAC Closure Notification on Completion of ITAAC Item 3.5.00.06 [Index Number 831]

Ladies and Gentlemen:

In accordance with10 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 3.5.00.06 [Index Number 831]. This ITAAC verified that the safety-related displays identified in Combined License (COL), Appendix C, Table 3.5-1 can be retrieved in the Main Control Room (MCR) and that each of the process, effluent, airborne, and area radiation monitors listed in Tables 3.5-2 through 3.5-5 exist in the locations identified in Table 3.5-7. The closure process for this ITAAC is based on the 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) 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 Kelli Roberts at 706-848-6991.

Respectfully submitted,

Michael J. Yox
Regulatory Affairs Director Vogtle 3 & 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC Item 3.5.00.06 [Index Number 831]

MJY/JFV/sfr

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Southern Nuclear Operating Company
ND-21-0057
Enclosure

Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC Item 3.5.00.06 [Index Number 831]

ITAAC Statement

Design Commitment

4. Safety-related displays identified in Table 3.5-1 can be retrieved in the MCR.

5. The process radiation monitors listed in Table 3.5-2 are provided.

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

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

8. The area radiation monitors listed in Table 3.5-5 are provided.

Inspections/Tests/Analyses

Inspection will be performed for retrievability of the displays in the MCR.

Inspection for the existence of the monitors will be performed.

Inspection for the existence of the monitors will be performed.

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Inspection for the existence of the monitors will be performed.

Acceptance Criteria

Safety-related displays identified in Table 3.5-1 can be retrieved in the MCR.

Each of the monitors listed in Table 3.5-2 exists.

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

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

Each of the monitors listed in Table 3.5-5 exists.

ITAAC Determination Basis

Inspections were performed to verify the retrievability of the Vogtle Electric Generating Plant (VEGP) Unit 3 Radiation Monitoring safety-related displays in the main control room (MCR), as identified in Combined License (COL) Appendix C Table 3.5-1 (Attachment A), and that the process radiation monitors, effluent radiation monitors, airborne radiation monitors, and area radiation monitors listed in Tables 3.5-2 (Attachment B) through 3.5-5 (Attachment E) exist and are in the locations identified in Table 3.5-7 (Attachment B through Attachment E).

Safety-related displays identified in Table 3.5-1 can be retrieved in the MCR.

The inspection was performed in accordance with the Unit 3 component test package work order, as documented in Reference 1, for radiation monitor component indication verifications, and visually confirmed that when each of the safety-related displays identified in Attachment A was summoned at the MCR Protection and Safety Monitoring System (PMS) Visual Display Units (VDUs), the summoned safety-related display appeared on the PMS VDU.

Attachment A Note (1) states that each MCR Radiation Monitoring Package (VBS-JS01A and VBS-JS01B) includes particulate, iodine, and gaseous radiation monitors, so these displays were inspected individually.

The inspection confirmed that the safety-related displays of the parameters identified in COL Appendix C Table 3.5-1 can be retrieved in the MCR.

Each of the [process radiation] monitors listed in Table 3.5-2 exists.

An inspection of the as-built radiation monitoring equipment was performed to verify that the process radiation monitors listed in Attachment B are provided (installed).

Walkdown inspections of the as-built radiation monitoring equipment were conducted after completion of construction to confirm that the process radiation monitors listed in Attachment B exist in the locations indicated in Attachment B. Inspections were performed, as documented in Reference 2, which involved visual observations of the process radiation monitors and verification that the monitors are installed in their specified locations. The make and model and other nameplate data of the monitors were also inspected and compared to that specified in design documents to verify that the installed radiation monitors have the appropriate nominal detection ranges to provide indication of unusual radiological events.

The inspections confirmed that the process radiation monitors listed in COL Appendix C Table 3.5-2 exist and are present in the component locations listed in COL Appendix C Table 3.5-7.

Each of the [effluent radiation] monitors listed in Table 3.5-3 exists.

An inspection of the as-built radiation monitoring equipment was performed to verify that the effluent radiation monitors listed in ITAAC Attachment C are provided (installed).

Walkdown inspections of the as-built radiation monitoring equipment were conducted after completion of construction to confirm that the effluent radiation monitors listed in Attachment C exist in the locations indicated in Attachment C. Inspections were performed, as documented in Reference 2, which involved visual observations of the effluent radiation monitors and verification that the monitors are installed in their specified locations. The make and model and other nameplate data of the monitors were also inspected and compared to that specified in design documents to verify that the installed radiation monitors have the appropriate nominal detection ranges to provide indication of unusual radiological events.

The inspections confirmed that the effluent radiation monitors listed in COL Appendix C Table 3.5-3 exist and are present in the component locations listed in COL Appendix C Table 3.5-7.

Each of the [airborne radiation] monitors listed in Table 3.5-4 exists.

An inspection of the as-built radiation monitoring equipment was performed to verify that the airborne radiation monitors listed in Attachment D are provided (installed).

Walkdown inspections of the as-built radiation monitoring equipment were conducted after completion of construction to confirm that the airborne radiation monitors listed in Attachment D exist in the locations indicated in Attachment D. Inspections were performed, as documented in Reference 2, which involved visual observations of the airborne radiation monitors and verification that the monitors are installed in their specified locations. The make and model and other nameplate data of the monitors were also inspected and compared to that specified in design documents to verify that the installed radiation monitors have the appropriate nominal detection ranges to provide indication of unusual radiological events.

The inspections confirmed that the airborne radiation monitors listed in COL Appendix C Table 3.5-4 exist and are present in the component locations listed in COL Appendix C Table 3.5-7.

Each of the [area radiation] monitors listed in Table 3.5-5 exists.

An inspection of the as-built radiation monitoring equipment was performed to verify that the area radiation monitors listed Attachment E are provided (installed).

Walkdown inspections of the as-built radiation monitoring equipment were conducted after completion of construction to confirm that the area radiation monitors listed in Attachment E exist in the locations indicated in Attachment E. Inspections were performed, as documented in Reference 2, which involved visual observations of the area radiation monitors and verification that the monitors are installed in their specified locations. The make and model and other nameplate data of the monitors were also inspected and compared to that specified in design documents to verify that the installed radiation monitors have the appropriate nominal detection ranges to provide indication of unusual radiological events.

The inspections confirmed that the area radiation monitors listed in COL Appendix C Table 3.5-5 exist and are present in the component locations listed in COL Appendix C Table 3.5-7.

Together, these inspections, tests, and reports (References 1 and 2) confirm that the ITAAC Acceptance Criteria requirements are met:

- Safety-related displays identified in Table 3.5-1 can be retrieved in the MCR.
- Each of the [process radiation] monitors listed in Table 3.5-2 exists.
- Each of the [effluent radiation] monitors listed in Table 3.5-3 exists.
- Each of the [airborne radiation] monitors listed in Table 3.5-4 exists.
- Each of the [area radiation] monitors listed in Table 3.5-5 exists.

References 1 and 2 are available for NRC inspection as part of the ITAAC 3.5.00.06 Completion Package (Reference 3).

ITAAC Finding Review

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. The ITAAC completion review is documented in the ITAAC Completion Package for ITAAC 3.5.00.06 Completion Package (Reference 4) and is available for NRC review.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 3.5.00.06 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-RMS-ITR-801831, Rev 0, "Unit 3 Recorded Results of Radiation Monitoring System MCR Safety-related Displays: ITAAC 3.5.00.06 Item 4 NRC Index 831"
2. SV3-RMS-ITR-800831, Rev. 1, "Unit 3 RMS Effluent Monitors: ITAAC 3.5.00.06 NRC Index Number 831"
3. 3.5.00.06-U3-CP-Rev0, ITAAC Completion Package
4. NEI 08-01, "Industry Guideline for the ITAAC Closure Process under 10 CFR Part 52"

Attachment A
MCR Radiation Monitor Displays

Equipment Name*	Tag No.*	Safety-Related Display*
Containment High Range Monitor	PXS-RE160	Yes
Containment High Range Monitor	PXS-RE161	Yes
Containment High Range Monitor	PXS-RE162	Yes
Containment High Range Monitor	PXS-RE163	Yes
MCR Radiation Monitoring Package A(1)	VBS-JS01A	Yes
MCR Radiation Monitoring Package B(1)	VBS-JS01B	Yes

Note:
1. Each MCR Radiation Monitoring Package includes particulate, iodine and gaseous radiation monitors.

* Excerpt from COL Appendix C Table 3.5-1

Attachment B
Process Radiation Monitors

Equipment List*	Equipment No.*	Component Location*
Steam Generator Blowdown	BDS-RE010	Turbine Building
Steam Generator Blowdown	BDS-RE011	Turbine Building
Component Cooling Water	CCS-RE001	Turbine Building
Main Steam Line(1)	SGS-RY026	Auxiliary Building
Main Steam Line(1)	SGS-RY027	Auxiliary Building
Service Water Blowdown	SWS-RE008	Turbine Building
Primary Sampling System Liquid Sample	PSS-RE050	Auxiliary Building
Primary Sampling System Gaseous Sample	PSS-RE052	Auxiliary Building
Containment Air Filtration Exhaust	VFS-RE001	Annex Building
Gaseous Radwaste Discharge	WGS-RE017	Auxiliary Building

Note:
1. Each main steam line monitor includes a noble gas detector and primary-to-secondary side leak detector.

* Excerpt from COL Appendix C Table 3.5-2 and Table 3.5-7

Attachment C
Effluent Radiation Monitors

Equipment List*	Equipment No.*	Component Location*
Plant Vent (Normal Range Particulate)	VFS-RE101	Auxiliary Building
Plant Vent (Normal Range Iodine)	VFS-RE102	Auxiliary Building
Plant Vent (Normal Range Radiogas)	VFS-RE103	Auxiliary Building
Plant Vent (Mid Range Radiogas)	VFS-RE104A	Auxiliary Building
Plant Vent (High Range Radiogas)	VFS-RE104B	Auxiliary Building
Turbine Island Vent(1)	TDS-RE001	Turbine Building
Liquid Radwaste Discharge	WLS-RE229	Radwaste Building
Wastewater Discharge	WWS-RE021	Turbine Building

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

* Excerpt from COL Appendix C Table 3.5-3 and Table 3.5-7

Attachment D
Airborne Radiation Monitors

Equipment List*	Equipment No.*	Component Location*
Fuel Handling Area Exhaust Radiation Monitor	VAS-RE001	Auxiliary Building
Auxiliary Building Exhaust Radiation Monitor	VAS-RE002	Auxiliary Building
Auxiliary Building Exhaust Radiation Monitor	VAS-RE003	Auxiliary Building
Annex Building Exhaust Radiation Monitor	VAS-RE008	Annex Building
Health Physics and Hot Machine Shop Exhaust Radiation Monitor	VHS-RE001	Annex Building
Radwaste Building Exhaust Radiation Monitor	VRS-RE023	Radwaste Building

* Excerpt from COL Appendix C Table 3.5-4 and Table 3.5-7

Attachment E
Area Radiation Monitors

Equipment List*	Equipment No.*	Component Location*
Primary Sampling Room	RMS-RE008	Auxiliary Building
Containment Area – Upper Personnel Hatch Operating Deck	RMS-RE009	Auxiliary Building
Main Control Room	RMS-RE010	Auxiliary Building
Chemistry Laboratory	RMS-RE011	Auxiliary Building
Fuel Handling Area 1	RMS-RE012	Auxiliary Building
Rail Car Bay/Filter Storage Area (Auxiliary Building Loading Bay)	RMS-RE013	Auxiliary Building
Liquid and Gaseous Radwaste Area	RMS-RY014	Radwaste Building
Control Support Area	RMS-RE016	Annex Building
Radwaste Building Mobile Systems Facility	RMS-RE017	Radwaste Building
Hot Machine Shop	RMS-RE018	Annex Building
Annex Staging and Storage Area	RMS-RE019	Annex Building
Fuel Handling Area 2	RMS-RE020	Auxiliary Building
Containment Area – Lower Personnel Hatch Maintenance Level	RMS-RE021	Auxiliary Building

* Excerpt from COL Appendix C Table 3.5-5 and Table 3.5-7