

Michael J. Yox  
Regulatory Affairs Director  
Vogtle 3 & 4  
Nuclear Development

Southern Nuclear  
Operating Company, Inc.  
7825 River Road  
Waynesboro, GA 30830  
Tel: 706.848.6459



Docket No.: 52-025

**DEC 30 2016**

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555-0001

ND-16-2837  
10 CFR 52.99(c)(1)

Southern Nuclear Operating Company  
Vogtle Electric Generating Plant Unit 3  
ITAAC Closure Notification on Completion of ITAAC 2.3.10.05a.i [Index Number 437]

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 2.3.10.05a.i [Index Number 437] for verifying that an inspection was performed and concludes that the seismic Category I equipment identified in VEGP Unit 3 Combined License (COL) Appendix C, Table 2.3.10-1 are located on the Nuclear Island. 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/hma/amm

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3  
Completion of ITAAC 2.3.10.05a.i [Index Number 437]

**To:**

**Southern Nuclear Operating Company/ Georgia Power Company**

Mr. D. A. Bost (w/o enclosures)  
Mr. M. D. Meier  
Mr. M. D. Rauckhorst (w/o enclosures)  
Mr. D. H. Jones (w/o enclosures)  
Ms. K. D. Fili  
Mr. D. L. McKinney  
Mr. D. L. Fulton  
Mr. C. E. Morrow  
Mr. M. J. Yox  
Mr. D. Woods  
Ms. A. L. Pugh  
Ms. K. M. Stacy  
Mr. A. S. Parton  
Mr. W. A. Sparkman  
Mr. J. P. Redd  
Mr. D. R. Culver  
Mr. F. H. Willis  
Ms. A. C. Chamberlain  
Document Services RTYPE: VND.LI.L06  
File AR.01.02.06

**cc:**

**Nuclear Regulatory Commission**

Mr. W. Jones (w/o enclosures)  
Ms. J. M. Heisserer  
Mr. C. P. Patel  
Mr. M. E. Ernestes  
Mr. G. J. Khouri  
Mr. J. D. Fuller  
Mr. T. E. Chandler  
Ms. S. E. Temple  
Ms. P. Braxton  
Mr. T. C. Brimfield  
Mr. A. J. Lerch  
Mr. C. J. Even  
Ms. V. L. Ordaz

**Oglethorpe Power Corporation**

Mr. K. T. Haynes  
Mr. R. B. Brinkman

**Municipal Electric Authority of Georgia**

Mr. J. E. Fuller  
Mr. S. M. Jackson

**Dalton Utilities**

Mr. T. Bundros

**WECTEC**

Mr. C. A. Castell

**Westinghouse Electric Company, LLC**

Mr. R. Easterling (w/o enclosures)

Mr. G. Koucheravy (w/o enclosures)

Mr. F. Gill

Ms. L. Iller

Mr. J. Hopkins

Mr. D. Hawkins

Mr. C. F. Landon

Mr. M. Y. Shaqqo

Ms. S. DiTommaso

Mr. A. F. Dohse

**Other**

Mr. J. E. Hesler, Bechtel Power Corporation

Ms. L. Matis, Tetra Tech NUS, Inc.

Dr. W. R. Jacobs, Jr., Ph.D., GDS Associates, Inc.

Mr. S. Roetger, Georgia Public Service Commission

Ms. S. W. Kernizan, Georgia Public Service Commission

Mr. K. C. Greene, Troutman Sanders

Mr. S. Blanton, Balch Bingham

**Southern Nuclear Operating Company  
ND-16-2837  
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 3  
Completion of ITAAC 2.3.10.05a.i [Index Number 437]**

### **ITAAC Statement**

#### **Design Commitment:**

- 5.a) The seismic Category I equipment identified in Table 2.3.10-1 can withstand seismic design basis loads without loss of safety function.

#### **Inspections, Tests, Analysis:**

- i) Inspection will be performed to verify that the seismic Category I equipment identified in Table 2.3.10-1 is located on the Nuclear Island.

#### **Acceptance Criteria:**

- i) The seismic Category I equipment identified in Table 2.3.10-1 is located on the Nuclear Island.

### **ITAAC Determination Basis**

Multiple ITAAC are performed to demonstrate that the equipment identified in VEGP Unit 3 Combined License (COL) Appendix C, Table 2.3.10-1 can withstand seismic design basis loads without loss of safety function.

This ITAAC requires an inspection be performed to verify that the Liquid Radwaste System (WLS) equipment (valves and level instruments) identified in Table 2.3.10-1 (Attachment A) are located on the Nuclear Island, which is a Seismic Category I structure. Subsequent ITAAC 2.3.10.05a.ii (Index Number 438) verify that the equipment is seismically qualified and ITAAC 2.3.10.05a.iii (Index Number 439) verify that the equipment is installed and seismically bounded for the as-built location (i.e., Nuclear Island). Completion of these multiple ITAAC will confirm the equipment can withstand seismic design basis loads without loss of its safety function.

The piping isometric drawings (References 5-8) and instrument and device location plan (Reference 4) which are issued for construction for the WLS equipment was visually inspected and each valve and level instrument listed in Attachment A was verified to be located on the nuclear island per design. The piping isometric drawings (References 5-8) which contain the locations of the valves and the level instrument locations shown on the instrument and device location plan (Reference 4) were compared to the Nuclear Island General Arrangement Plan at EI 66'-6", SV3-1010-P2-001 (Reference 3) and were verified to be located within the bounds of the column lines shown on the Nuclear Island General Arrangement Plan, thereby confirming that the equipment in Attachment A is located on the Nuclear Island.

The results of the inspections are documented in the Inspection Report (Reference 1) and conclude that the seismic Category I equipment identified in Table 2.3.10-1 is located on the Nuclear Island.

### **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 3 ITAAC Completion Package for ITAAC 2.3.10.05a.i (Reference 2) and available for NRC inspection.

### **ITAAC Completion Statement**

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.3.10.05a.i was performed for VEGP Unit 3 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. SV3-WLS-ITR-001, Revision 0, "Inspection Report Confirming Liquid Radwaste System (WLS) Seismic Category I Equipment is Located on the Nuclear Island, ITAAC 2.3.10.05a.i"
2. SVP\_SV0\_004533, Attachment 1, "Submittal of Inspections, Test, Analyses and Acceptance Criteria (ITAAC) Completion Package for Unit 3 ITAAC 2.3.10.05a.i [COL Index Number 437] (WLS System Seismic Category I Equipment Location)"
3. SV3-1010-P2-001, Revision 1, "Nuclear Island General Arrangement Plan At El. 66'-6"
4. SV3-1110-J2-001, Revision 1, "Containment Building Instrument and Device Location Plan El 71'-6" Areas 1 & 2"
5. SV3-WLS-PLW-731, Revision 1, "Liquid Radwaste System Containment Building Room 11202 (PXS A Components) Drain Line"
6. SV3-WLS-PLW-741, Revision 1, "Liquid Radwaste System Containment Building Room 11202 (PXS B Components) Drain Line"
7. SV3-WLS-PLW-74A, Revision 1, "Liquid Radwaste System Containment Building Room 11202 (PXS B Components) Drain Line"
8. SV3-WLS-PLW-750, Revision 2, "Liquid Radwaste System Containment Building Room 11104 Collected Drains to Containment Sump"

**Attachment A**

SYSTEM: Liquid Radwaste System (WLS)

Excerpt from COL Appendix C Table 2.3.10-1\*

<b>Equipment Name*</b>	<b>Tag No.*</b>	<b>Seismic Cat. I*</b>	<b>Piping Isometric or Instrument and Device Location Drawing</b>	<b>General Arrangement Drawing</b>
WLS Containment Sump Level Sensor	WLS-034	Yes	SV3-1110-J2-001 Reference 4	SV3-1010-P2-001 Reference 3
WLS Containment Sump Level Sensor	WLS-035	Yes	SV3-1110-J2-001 Reference 4	SV3-1010-P2-001 Reference 3
WLS Containment Sump Level Sensor	WLS-036	Yes	SV3-1110-J2-001 Reference 4	SV3-1010-P2-001 Reference 3
WLS Drain from Passive Core Cooling System (PXS) Compartment A (Room 11206) Check Valve	WLS-PL-V071B	Yes	SV3-WLS-PLW-731 Reference 5	SV3-1010-P2-001 Reference 3
WLS Drain from PXS Compartment A (Room 11206) Check Valve	WLS-PL-V072B	Yes	SV3-WLS-PLW-731 Reference 5	SV3-1010-P2-001 Reference 3
WLS Drain from PXS Compartment B (Room 11207) Check Valve	WLS-PL-V071C	Yes	SV3-WLS-PLW-74A Reference 7	SV3-1010-P2-001 Reference 3
WLS Drain from PXS Compartment B (Room 11207) Check Valve	WLS-PL-V072C	Yes	SV3-WLS-PLW-741 Reference 6	SV3-1010-P2-001 Reference 3
WLS Drain from Chemical and Volume Control System (CVS) Compartment (Room 11209) Check Valve	WLS-PL-V071A	Yes	SV3-WLS-PLW-750 Reference 8	SV3-1010-P2-001 Reference 3
WLS Drain from CVS Compartment (Room 11209) Check Valve	WLS-PL-V072A	Yes	SV3-WLS-PLW-750 Reference 8	SV3-1010-P2-001 Reference 3