

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



MAY 02 2016

Docket No.: 52-025

ND-16-0684
10 CFR 52.99(c)(3)

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

Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3
Notice of Uncompleted ITAAC 225-days Prior to Initial Fuel Load

Ladies and Gentlemen:

Pursuant to 10 CFR 52.99(c)(3), Southern Nuclear Operating Company hereby notifies the NRC that as of May 2, 2016, Vogtle Electric Generating Plant Unit 3 Inspection, Test, Analysis, and Acceptance Criteria (ITAAC) items listed in Enclosure 1 have not been completed greater than 225-days prior to initial fuel load. With this letter, Southern Nuclear Operating Company is providing a partial set of notifications for ITAAC that have not been completed greater than 225-days prior to initial fuel load. Enclosure 2 describes the plans for completing each ITAAC listed in Enclosure 1. Southern Nuclear Operating Company will at a later date provide additional notifications for ITAAC that have not been completed 225-days prior to initial fuel load.

This notification is informed by 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. In accordance with NEI 08-01, this notification includes ITAAC for which required inspections, tests, or analyses have not been performed or have been only partially completed. All ITAAC will be fully completed and all Section 52.99(c)(1) ITAAC Closure Notifications will be submitted to NRC to support the Commission finding that all acceptance criteria are met prior to plant operation, as required by 10 CFR 52.103(g).

This letter contains no new NRC regulatory commitments.

If there are any questions, please contact Calvin Morrow at 706-848-6566.

Respectfully submitted,

Michael J. Yox
Regulatory Affairs Director Vogtle 3&4

MJY/kms

Enclosures:

1. List of Uncompleted ITAAC Items as of 05/02/16
2. Completion Plans for Uncompleted ITAAC Items Listed in Enclosure 1

To:

Southern Nuclear Operating Company/Georgia Power Company

Mr. S. E. Kuczynski (w/o enclosures)
Mr. D. A. Bost (w/o enclosures)
Mr. M. D. Meier
Mr. M. D. Rauckhorst (w/o enclosures)
Mr. J. T. Gasser (w/o enclosures)
Mr. D. H. Jones (w/o enclosures)
Ms. K. D. Fili
Mr. D. L. McKinney
Mr. B. H. Whitley
Mr. D. L. Fulton
Mr. M. J. Yox
Ms. K. Stacy
Mr. J.J. Olson
Mr. W. A. Sparkman
Mr. J. P. Redd
Mr. D. R. Culver
Mr. F. H. Willis
Document Services RTYPE: VND.LI.L06
File AR.01.02.06

cc:

Nuclear Regulatory Commission

Ms. C. Haney (w/o enclosures)
Mr. M. Delligatti (w/o enclosures)
Mr. L. Burkhart (w/o enclosures)
Mr. C. Patel
Mr. B. M. Baval
Ms. R. Reyes
Ms. M. A. Sutton
Mr. M. E. Ernstes
Mr. G. Khouri
Mr. M. G. Kowal
Mr. J. D. Fuller
Mr. T. Chandler
Ms. S. Temple
Ms. P. Braxton
Mr. M. Junge

Oglethorpe Power Corporation

Mr. M. W. Price
Ms. K. T. Haynes
Ms. A. Whaley

Municipal Electric Authority of Georgia

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

Dalton Utilities

Mr. D. Cope

WECTEC

Ms. K. Stoner (w/o enclosures)
Mr. C. A. Castell

Westinghouse Electric Company, LLC

Mr. R. Easterling (w/o enclosures)
Mr. J. W. Crenshaw (w/o enclosures)
Mr. L. Woodcock (w/o enclosures)
Mr. M. P. Rubin
Mr. P. A. Russ
Mr. G. F. Couture
Mr. M. Y. Shaqqo
Ms. S. DiTommaso

Other

Mr. R. W. Prunty, *Bechtel Power Corporation*
Ms. K. K. Patterson, *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*

U.S. Nuclear Regulatory Commission
ND-16-0684 Enclosure 1

Southern Nuclear Operating Company
ND-16-0684
Enclosure 1

List of Uncompleted ITAAC
Items as of 05/02/16

COL Index No.	Subject	Page No.
21	Uncompleted ITAAC 2.1.02.05a.iii	2
54	Uncompleted ITAAC 2.1.02.12a.ii	8
57	Uncompleted ITAAC 2.1.02.12a.v	11
77	Uncompleted ITAAC 2.1.03.06.iii	14
82	Uncompleted ITAAC 2.1.03.09a.ii	18
100	Uncompleted ITAAC 2.2.01.05.iii	21
102	Uncompleted ITAAC 2.2.01.06a.ii	27
106	Uncompleted ITAAC 2.2.01.06d.ii	30
115	Uncompleted ITAAC 2.2.01.11a.ii	33
132	Uncompleted ITAAC 2.2.02.06a.ii	36
155	Uncompleted ITAAC 2.2.02.11a.ii	39
167	Uncompleted ITAAC 2.2.03.05a.iii	42
171	Uncompleted ITAAC 2.2.03.07a.ii	48
226	Uncompleted ITAAC 2.2.04.05a.i	52
228	Uncompleted ITAAC 2.2.04.05a.iii	57
249	Uncompleted ITAAC 2.2.04.12a.ii	62
293	Uncompleted ITAAC 2.3.02.05.iii	65
295	Uncompleted ITAAC 2.3.02.06a.ii	69
310	Uncompleted ITAAC 2.3.02.11a.ii	72
363	Uncompleted ITAAC 2.3.06.05a.iii	75
367	Uncompleted ITAAC 2.3.06.07a.ii	79
385	Uncompleted ITAAC 2.3.06.12a.ii	82
398	Uncompleted ITAAC 2.3.07.05.iii	85
439	Uncompleted ITAAC 2.3.10.05a.iii	88
484	Uncompleted ITAAC 2.3.19.01a	91

U.S. Nuclear Regulatory Commission
ND-16-0684 Enclosure 2

Southern Nuclear Operating Company
ND-16-0684
Enclosure 2

Completion Plans for Uncompleted ITAAC
Items Listed in Enclosure 1

Subject: Uncompleted ITAAC 2.1.02.05a.iii [Index No. 21]

ITAAC Statement

Design Commitment

- 5.a) *The seismic Category I equipment identified in Table 2.1.2-1 can withstand seismic design basis loads without loss of safety function.*

Inspections/Tests/Analyses

- iii) *Inspection will be performed for the existence of a report verifying that the as-built equipment including anchorage is seismically bounded by the tested or analyzed conditions.*

Acceptance Criteria

- iii) *A report exists and concludes that the as-built equipment including anchorage is seismically bounded by the tested or analyzed conditions.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the seismic Category I equipment identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.1.2-1 (Attachment A) can withstand seismic design basis loads without loss of safety function. The subject ITAAC requires that an inspection is performed for the existence of a report verifying that the as-built equipment including anchorage are seismically bounded by the tested or analyzed conditions.

Seismic qualification of the equipment in VEGP Unit 3 COL Appendix C Table 2.1.2-1 is verified by type tests, analyses, or a combination of type tests and analyses in accordance with ITAAC 2.1.02.05a.ii (Reference 1). As part of the seismic qualification program, consideration is given to the definition of clearances needed around the equipment mounted in the plant to permit the equipment to move during a postulated seismic event without causing impact between adjacent pieces of safety-related equipment or between safety-related equipment and adjacent non-safety related structures or components. This is done as part of seismic testing by measuring the maximum dynamic relative displacement of the top and bottom of the equipment. Justification is provided that the equipment will not impact adjacent equipment or structures as part of the Equipment Qualification (EQ) As-Built Reconciliation Report (Reference 2) based on the walkdown inspection.

The qualification reports of the equipment identify the equipment mounting employed for qualification and establish interface requirements for assuring that subsequent in-plant installation does not degrade the established qualification. Interface requirements are defined based on the test configuration and other design requirements.

In accordance with EQ Walkdown Inspection Procedure XYZ (Reference 3), an inspection is conducted of the Reactor Coolant System (RCS) to confirm the satisfactory installation of the seismically qualified equipment. The inspection includes verification of equipment make/model/serial number; verification of as-built equipment mounting orientation, anchorage and clearances; and verification of electrical and other interfaces.

The documentation of installed configuration of seismically qualified equipment includes photographs and/or sketches of equipment/mounting/interfaces. The verification of installed equipment configuration is documented in the EQ As-Built Reconciliation Report(s).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the Seismic Category I equipment identified in VEGP Unit 3 COL Appendix C Table 2.1.2-1, including anchorage, is seismically bounded by the tested or analyzed conditions and IEEE Standard 344-1987 (Reference 4) and NRC Regulatory Guide 1.100, Rev. 2 (Reference 5). The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC Completion Package (Reference 6).

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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.1.02.05a.ii
2. EQ As-Built Reconciliation Report(s) as identified in Attachment A
3. EQ Walkdown Inspection Procedure XYZ
4. IEEE Standard 344-1987, "Recommended Practices for Seismic Qualification of Class 1E Equipment for Nuclear Power Generating Stations"
5. Regulatory Guide 1.100, Rev. 2, "Seismic Qualification of Electric and Mechanical Equipment for Nuclear Power Plants"
6. ITAAC 2.1.02.05a.iii Completion Package
7. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.1.2-1

ITAAC COMPLIANCE MATRIX FOR SEISMIC CATEGORY I EQUIPMENT
(REACTOR COOLANT SYSTEM)

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Steam Generator 1	RCS-MB-01	Yes	XXX
Steam Generator 2	RCS-MB-02	Yes	XXX
RCP 1A	RCS-MP-01A	Yes	XXX
RCP 1B	RCS-MP-01B	Yes	XXX
RCP 2A	RCS-MP-02A	Yes	XXX
RCP 2B	RCS-MP-02B	Yes	XXX
Pressurizer	RCS-MV-02	Yes	XXX
Automatic Depressurization System (ADS) Sparger A	PXS-MW-01A	Yes	XXX
ADS Sparger B	PXS-MW-01B	Yes	XXX
Pressurizer Safety Valve	RCS-PL-V005A	Yes	XXX
Pressurizer Safety Valve	RCS-PL-V005B	Yes	XXX
First-stage ADS Motor-operated Valve (MOV)	RCS-PL-V001A	Yes	XXX
First-stage ADS MOV	RCS-PL-V001B	Yes	XXX
Second-stage ADS MOV	RCS-PL-V002A	Yes	XXX
Second-stage ADS MOV	RCS-PL-V002B	Yes	XXX
Third-stage ADS MOV	RCS-PL-V003A	Yes	XXX
Third-stage ADS MOV	RCS-PL-V003B	Yes	XXX
Fourth-stage ADS Squib Valve	RCS-PL-V004A	Yes	XXX
Fourth-stage ADS Squib Valve	RCS-PL-V004B	Yes	XXX
Fourth-stage ADS Squib Valve	RCS-PL-V004C	Yes	XXX
Fourth-stage ADS Squib Valve	RCS-PL-V004D	Yes	XXX
ADS Discharge Header A Vacuum Relief Valve	RCS-PL-V010A	Yes	XXX
ADS Discharge Header B Vacuum Relief Valve	RCS-PL-V010B	Yes	XXX
First-stage ADS Isolation MOV	RCS-PL-V011A	Yes	XXX
First-stage ADS Isolation MOV	RCS-PL-V011B	Yes	XXX
Second-stage ADS Isolation MOV	RCS-PL-V012A	Yes	XXX
Second-stage ADS Isolation MOV	RCS-PL-V012B	Yes	XXX
Third-stage ADS Isolation MOV	RCS-PL-V013A	Yes	XXX
Third-stage ADS Isolation MOV	RCS-PL-V013B	Yes	XXX
Fourth-stage ADS MOV	RCS-PL-V014A	Yes	XXX
Fourth-stage ADS MOV	RCS-PL-V014B	Yes	XXX

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Fourth-stage ADS MOV	RCS-PL-V014C	Yes	XXX
Fourth-stage ADS MOV	RCS-PL-V014D	Yes	XXX
Reactor Vessel Head Vent Valve	RCS-PL-V150A	Yes	XXX
Reactor Vessel Head Vent Valve	RCS-PL-V150B	Yes	XXX
Reactor Vessel Head Vent Valve	RCS-PL-V150C	Yes	XXX
Reactor Vessel Head Vent Valve	RCS-PL-V150D	Yes	XXX
RCS Hot Leg 1 Flow Sensor	RCS-101A	Yes	XXX
RCS Hot Leg 1 Flow Sensor	RCS-101B	Yes	XXX
RCS Hot Leg 1 Flow Sensor	RCS-101C	Yes	XXX
RCS Hot Leg 1 Flow Sensor	RCS-101D	Yes	XXX
RCS Hot Leg 2 Flow Sensor	RCS-102A	Yes	XXX
RCS Hot Leg 2 Flow Sensor	RCS-102B	Yes	XXX
RCS Hot Leg 2 Flow Sensor	RCS-102C	Yes	XXX
RCS Hot Leg 2 Flow Sensor	RCS-102D	Yes	XXX
RCS Cold Leg 1A Narrow Range Temperature Sensor	RCS-121A	Yes	XXX
RCS Cold Leg 1B Narrow Range Temperature Sensor	RCS-121B	Yes	XXX
RCS Cold Leg 1B Narrow Range Temperature Sensor	RCS-121C	Yes	XXX
RCS Cold Leg 1A Narrow Range Temperature Sensor	RCS-121D	Yes	XXX
RCS Cold Leg 2B Narrow Range Temperature Sensor	RCS-122A	Yes	XXX
RCS Cold Leg 2A Narrow Range Temperature Sensor	RCS-122B	Yes	XXX
RCS Cold Leg 2A Narrow Range Temperature Sensor	RCS-122C	Yes	XXX
RCS Cold Leg 2B Narrow Range Temperature Sensor	RCS-122D	Yes	XXX
RCS Cold Leg 1A Dual Range Temperature Sensor	RCS-125A	Yes	XXX
RCS Cold Leg 2A Dual Range Temperature Sensor	RCS-125B	Yes	XXX
RCS Cold Leg 1B Dual Range Temperature Sensor	RCS-125C	Yes	XXX
RCS Cold Leg 2B Dual Range Temperature Sensor	RCS-125D	Yes	XXX
RCS Hot Leg 1 Narrow Range Temperature Sensor	RCS-131A	Yes	XXX
RCS Hot Leg 2 Narrow Range Temperature Sensor	RCS-131B	Yes	XXX
RCS Hot Leg 1 Narrow Range Temperature Sensor	RCS-131C	Yes	XXX
RCS Hot Leg 2 Narrow Range Temperature Sensor	RCS-131D	Yes	XXX
RCS Hot Leg 1 Narrow	RCS-132A	Yes	XXX

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Range Temperature Sensor			
RCS Hot Leg 2 Narrow Range Temperature Sensor	RCS-132B	Yes	XXX
RCS Hot Leg 1 Narrow Range Temperature Sensor	RCS-132C	Yes	XXX
RCS Hot Leg 2 Narrow Range Temperature Sensor	RCS-132D	Yes	XXX
RCS Hot Leg 1 Narrow Range Temperature Sensor	RCS-133A	Yes	XXX
RCS Hot Leg 2 Narrow Range Temperature Sensor	RCS-133B	Yes	XXX
RCS Hot Leg 1 Narrow Range Temperature Sensor	RCS-133C	Yes	XXX
RCS Hot Leg 2 Narrow Range Temperature Sensor	RCS-133D	Yes	XXX
RCS Hot Leg 1 Wide Range Temperature Sensor	RCS-135A	Yes	XXX
RCS Hot Leg 2 Wide Range Temperature Sensor	RCS-135B	Yes	XXX
RCS Wide Range Pressure Sensor	RCS-140A	Yes	XXX
RCS Wide Range Pressure Sensor	RCS-140B	Yes	XXX
RCS Wide Range Pressure Sensor	RCS-140C	Yes	XXX
RCS Wide Range Pressure Sensor	RCS-140D	Yes	XXX
RCS Hot Leg 1 Level Sensor	RCS-160A	Yes	XXX
RCS Hot Leg 2 Level Sensor	RCS-160B	Yes	XXX
Passive Residual Heat Removal (PRHR) Return Line Temperature Sensor	RCS-161	Yes	XXX
Pressurizer Pressure Sensor	RCS-191A	Yes	XXX
Pressurizer Pressure Sensor	RCS-191B	Yes	XXX
Pressurizer Pressure Sensor	RCS-191C	Yes	XXX
Pressurizer Pressure Sensor	RCS-191D	Yes	XXX
Pressurizer Level Reference Leg Temperature Sensor	RCS-193A	Yes	XXX
Pressurizer Level Reference Leg Temperature Sensor	RCS-193B	Yes	XXX
Pressurizer Level Reference Leg Temperature Sensor	RCS-193C	Yes	XXX
Pressurizer Level Reference Leg Temperature Sensor	RCS-193D	Yes	XXX
Pressurizer Level Sensor	RCS-195A	Yes	XXX
Pressurizer Level Sensor	RCS-195B	Yes	XXX
Pressurizer Level Sensor	RCS-195C	Yes	XXX
Pressurizer Level Sensor	RCS-195D	Yes	XXX
RCP 1A Bearing Water Temperature Sensor	RCS-211A	Yes	XXX
RCP 1A Bearing Water	RCS-211B	Yes	XXX

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Temperature Sensor			
RCP 1A Bearing Water Temperature Sensor	RCS-211C	Yes	XXX
RCP 1A Bearing Water Temperature Sensor	RCS-211D	Yes	XXX
RCP 1B Bearing Water Temperature Sensor	RCS-212A	Yes	XXX
RCP 1B Bearing Water Temperature Sensor	RCS-212B	Yes	XXX
RCP 1B Bearing Water Temperature Sensor	RCS-212C	Yes	XXX
RCP 1B Bearing Water Temperature Sensor	RCS-212D	Yes	XXX
RCP 2A Bearing Water Temperature Sensor	RCS-213A	Yes	XXX
RCP 2A Bearing Water Temperature Sensor	RCS-213B	Yes	XXX
RCP 2A Bearing Water Temperature Sensor	RCS-213C	Yes	XXX
RCP 2A Bearing Water Temperature Sensor	RCS-213D	Yes	XXX
RCP 2B Bearing Water Temperature Sensor	RCS-214A	Yes	XXX
RCP 2B Bearing Water Temperature Sensor	RCS-214B	Yes	XXX
RCP 2B Bearing Water Temperature Sensor	RCS-214C	Yes	XXX
RCP 2B Bearing Water Temperature Sensor	RCS-214D	Yes	XXX
RCP 1A Pump Speed Sensor	RCS-281	Yes	XXX
RCP 1B Pump Speed Sensor	RCS-282	Yes	XXX
RCP 2A Pump Speed Sensor	RCS-283	Yes	XXX
RCP 2B Pump Speed Sensor	RCS-284	Yes	XXX

Subject: Uncompleted ITAAC 2.1.02.12a.ii [Index No. 54]

ITAAC Statement

Design Commitment

12.a) *The automatic depressurization valves identified in Table 2.1.2-1 perform an active safety-related function to change position as indicated in the table.*

Inspections/Tests/Analyses

ii) *Inspection will be performed for the existence of a report verifying that the as-built motor-operated valves are bounded by the tests or type tests.*

Acceptance Criteria

ii) *A report exists and concludes that the as-built motor-operated valves are bounded by the tests or type tests.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the automatic depressurization valves identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.1.2-1 (Attachment A) perform an active safety-related function to change position as indicated in the table. The subject ITAAC requires that an inspection is performed for the existence of a report verifying that the as-built motor-operated valves are bounded by the tests or type tests.

The motor-operated valves in VEGP Unit 3 COL Appendix C Table 2.1.2-1 are verified by the tests or type tests in accordance with ITAAC 2.1.02.12a.i (Reference 1) to demonstrate the capability of the valves to operate under their design conditions. Equipment Qualification Data Packages (EQDP) and Equipment Qualification Summary Reports (EQSR) identify the equipment mounting employed for the testing and the specific conditions tested.

In accordance with Equipment Qualification (EQ) Walkdown Inspection Procedure XYZ (Reference 2) an inspection is conducted of the Reactor Coolant System (RCS) to confirm the satisfactory installation of the motor-operated valves. The inspection includes verification of equipment make/model/serial number, verification of equipment mounting and location, and verification that the mechanical and electrical connections are bounded by the tested conditions.

The documentation of installed configuration of the motor-operated valves includes photographs and/or sketches of equipment mounting and connections. The verification of installed component configuration is documented in the EQ As-Built Reconciliation Report(s) (Reference 3).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the motor-operated valves identified in VEGP Unit 3 COL Appendix C Table 2.1.2-1 is bounded by the tests or type tests. The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC Completion Package (Reference 4).

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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.1.02.12a.i
2. EQ Walkdown Inspection Procedure XYZ
3. EQ As-Built Reconciliation Report(s) as identified in Attachment A
4. ITAAC 2.1.02.12a.ii Completion Package
5. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.1.2-1

MOTOR-OPERATED VALVES
(REACTOR COOLANT SYSTEM)

Equipment Name	Tag No.	Active Function	EQ As-Built Reconciliation Report(s)
First-stage ADS Motor-operated Valve (MOV)	RCS-PL-V001A	Transfer Open	XXX
First-stage ADS MOV	RCS-PL-V001B	Transfer Open	XXX
Second-stage ADS MOV	RCS-PL-V002A	Transfer Open	XXX
Second-stage ADS MOV	RCS-PL-V002B	Transfer Open	XXX
Third-stage ADS MOV	RCS-PL-V003A	Transfer Open	XXX
Third-stage ADS MOV	RCS-PL-V003B	Transfer Open	XXX
First-stage ADS Isolation MOV	RCS-PL-V011A	Transfer Open	XXX
First-stage ADS Isolation MOV	RCS-PL-V011B	Transfer Open	XXX
Second-stage ADS Isolation MOV	RCS-PL-V012A	Transfer Open	XXX
Second-stage ADS Isolation MOV	RCS-PL-V012B	Transfer Open	XXX
Third-stage ADS Isolation MOV	RCS-PL-V013A	Transfer Open	XXX
Third-stage ADS Isolation MOV	RCS-PL-V013B	Transfer Open	XXX

Subject: Uncompleted ITAAC 2.1.02.12a.v [Index No. 57]

ITAAC Statement

Design Commitment

12.a) *The automatic depressurization valves identified in Table 2.1.2-1 perform an active safety-related function to change position as indicated in the table.*

Inspections/Tests/Analyses

v) *Inspection will be performed for the existence of a report verifying that the as-built squib valves are bounded by the tests or type tests.*

Acceptance Criteria

v) *A report exists and concludes that the as-built squib valves are bounded by the tests or type tests.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the automatic depressurization squib valves identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.1.2-1 (Attachment A) perform an active safety-related function to change position as indicated in the table. The subject ITAAC requires that an inspection is performed for the existence of a report verifying that the as-built squib valves are bounded by tests or type tests.

The squib valves in VEGP Unit 3 COL Appendix C Table 2.1.2-1 are verified by the tests or type tests in accordance with ITAAC 2.1.02.12a.iv (Reference 1) to demonstrate the capability of the valves to operate under their design conditions. Equipment Qualification Data Packages (EQDP) and Equipment Qualification Summary Reports (EQSR) identify the equipment mounting employed for the testing and the specific conditions tested.

In accordance with Equipment Qualification (EQ) Walkdown Inspection Procedure XYZ (Reference 2) an inspection is conducted of the Reactor Coolant System (RCS) to confirm the satisfactory installation of the squib valves. The inspection includes verification of equipment make/model/serial number, verification of equipment mounting and location, and verification that the mechanical and electrical connections are bounded by the tested conditions.

The documentation of installed configuration of the squib valves includes photographs and/or sketches of equipment mounting and connections. The verification of installed component configuration is documented in the EQ As-Built Reconciliation Report(s) (Reference 3).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the squib valves identified in VEGP Unit 3 COL Appendix C Table 2.1.2-1 is bounded by the tests or type tests. The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC Completion Package (Reference 4).

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 two (2) closed notices of nonconformance (NON) associated with this ITAAC:

1. 99900080/2013-201-02 – Failure to establish sufficient measures for the selection and review for suitability of application of parts that are essential to safety-related functions.
2. 99900080/2012-201-01 - Failure to verify the adequacy of the initiator assembly design as part of SPX's commercial-grade dedication program.

The ITAAC completion review determined that all corrective actions associated with the findings are complete and are closed. The NRC closure of these findings is documented in NRC Vendor Inspection Reports No. 99900080/2015-201 and 99900080/2015-202.

References (available for NRC inspection)

1. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.1.02.12a.iv
2. EQ Walkdown Inspection Procedure XYZ
3. EQ As-Built Reconciliation Report(s) as identified in Attachment A
4. ITAAC 2.1.02.12a.v Completion Package
5. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.1.2-1

SQUIB VALVES
(REACTOR COOLANT SYSTEM)

Equipment Name	Tag No.	Active Function	EQ As-Built Reconciliation Report(s)
Fourth-stage ADS Squib Valve	RCS-PL-V004A	Transfer Open	XXX
Fourth-stage ADS Squib Valve	RCS-PL-V004B	Transfer Open	XXX
Fourth-stage ADS Squib Valve	RCS-PL-V004C	Transfer Open	XXX
Fourth-stage ADS Squib Valve	RCS-PL-V004D	Transfer Open	XXX

Subject: Uncompleted ITAAC Item 2.1.03.06.iii [Index 77]

ITAAC Statement

Design Commitment

6. *The seismic Category I equipment identified in Table 2.1.3-1 can withstand seismic design basis loads without loss of safety function.*

Inspections/Tests/Analyses

- iii) *Inspection will be performed for the existence of a report verifying that the as-built equipment including anchorage is seismically bounded by the tested or analyzed conditions.*

Acceptance Criteria

- iii) *A report exists and concludes that the as-built equipment including anchorage is seismically bounded by the tested or analyzed conditions.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the seismic Category I equipment identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.1.3-1 (Attachment A) can withstand seismic design basis loads without loss of safety function. The subject ITAAC requires that an inspection is performed for the existence of a report verifying that the as-built equipment including anchorage are seismically bounded by the tested or analyzed conditions.

Seismic qualification of the equipment in VEGP Unit 3 COL Appendix C Table 2.1.3-1 is verified by type tests, analyses, or a combination of type tests and analyses in accordance with ITAAC 2.1.03.06.ii (Reference 1). As part of the seismic qualification program, consideration is given to the definition of clearances needed around the equipment mounted in the plant to permit the equipment to move during a postulated seismic event without causing impact between adjacent pieces of safety-related equipment or between safety-related equipment and adjacent non-safety related structures or components. This is done as part of seismic testing by measuring the maximum dynamic relative displacement of the top and bottom of the equipment. Justification is provided that the equipment will not impact adjacent equipment or structures as part of the Equipment Qualification (EQ) As-Built Reconciliation Report (Reference 2) based on the walkdown inspection.

The qualification reports of the equipment identify the equipment mounting employed for qualification and establish interface requirements for assuring that subsequent in-plant installation does not degrade the established qualification. Interface requirements are defined based on the test configuration and other design requirements.

In accordance with EQ Walkdown Inspection Procedure XYZ (Reference 3), an inspection is conducted of the Reactor System (RXS) to confirm the satisfactory installation of the seismically

qualified equipment. The inspection includes verification of equipment make/model/serial number; verification of as-built equipment mounting orientation, anchorage and clearances; and verification of electrical and other interfaces.

The documentation of installed configuration of seismically qualified equipment includes photographs and/or sketches of equipment/mounting/interfaces. The verification of installed equipment configuration is documented in the EQ As-Built Reconciliation Report(s).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the Seismic Category I equipment identified in VEGP Unit 3 COL Appendix C Table 2.1.3-1, including anchorage, is seismically bounded by the tested or analyzed conditions and IEEE Standard 344-1987 (Reference 4) and NRC Regulatory Guide 1.100, Rev. 2 (Reference 5). The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC Completion Package (Reference 6).

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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.1.03.06.ii
2. EQ As-Built Reconciliation Report(s) as identified in Attachment A
3. EQ Walkdown Inspection Procedure XYZ
4. IEEE Standard 344-1987, "Recommended Practices for Seismic Qualification of Class 1E Equipment for Nuclear Power Generating Stations"
5. Regulatory Guide 1.100, Rev. 2, "Seismic Qualification of Electric and Mechanical Equipment for Nuclear Power Plants"
6. ITAAC 2.1.03.06.iii Completion Package
7. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.1.3-1

ITAAC COMPLIANCE MATRIX FOR SEISMIC CATEGORY I EQUIPMENT
(REACTOR SYSTEM)

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
RV	RXS-MV-01	Yes	NA
Reactor Upper Internals Assembly	RXS-MI-01	Yes	NA
Reactor Lower Internals Assembly	RXS-MI-02	Yes	NA
Fuel Assemblies (157 locations)	RXS-FA- A07/A08/A09/B05/B06/B07/B08/B09/B10/B11/C04/C05/C06/C07/C08/C09/C10/C11/C12/D03/D04/D05/D06/D07/D08/D09/D10/D11/D12/D13/E02/E03/E04/E05/E06/E07/E08/E09/E10/E11/E12/E13/E14/F02/F03/F04/F05/F06/F07/F08/F09/F10/F11/F12/F13/F14/G01/G02/G03/G04/G05/G06/G07/G08/G09/G10/G11/G12/G13/G14/G15/H01/H02/H03/H04/H05/H06/H07/H08/H09/H10/H11/H12/H13/H14/H15/J01/J02/J03/J04/J05/J06/J07/J08/J09/J10/J11/J12/J13/J14/J15/K02/K03/K04/K05/K06/K07/K08/K09/K10/K11/K12/K13/K14/L02/L03/L04/L05/L06/L07/L08/L09/L10/L11/L12/L13/L14/M03/M04/M05/M06/M07/M08/M09/M10/M11/M12/M13/N04/N05/N06/N07/N08/N09/N10/N11/N12/P05/P06/P07/P08/P09/P10/P11/ R07/R08/R09	Yes	NA
Rod Cluster Control Assemblies (RCCAs) (minimum 53 locations)	RXS-FR- B06/B10/C05/C07/C09/C11/D06/D08/D10/E03/E05/E07/E09/E11/E13/F02/F04/F12/F14/G03/G05/G07/G09/G11/G13/H04/H08/H12/J03/J05/J07/J09/J11/J13/K02/K04/K12/K14/L03/L05/L07/L09/L11/L13/M06/M08/M10/N05/N07/N09/N11/P06/P10	Yes	NA
Gray Rod Cluster Assemblies (GRCAs) (16 locations)	RXS-FG- B08/D04/D12/F06/F08/F10/H02/H06/H10/H14/K06/K08/K10/M04/M12/P08	Yes	NA

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Control Rod Drive Mechanisms (CRDMs) (69 Locations)	RXS-MV- 11B06/11B08/11B10/11C05/11C07/11C09/11C11/11D04/11D06/11D08/11D10/11D12/11E03/11E05/11E07/11E09/11E11/11E13/11F02/11F04/11F06/11F08/11F10/11F12/11F14/11G03/11G05/11G07/11G09/11G11/11G13/11H02/11H04/11H06/11H08/11H10/11H12/11H14/11J03/11J05/11J07/11J09/11J11/11J13/11K02/11K04/11K06/11K08/11K10/11K12/11K14/11L03/11L05/11L07/11L09/11L11/11L13/11M04/11M06/11M08/11M10/11M12/11N05/11N07/11N09/11N11/11P06/11P08/11P10	Yes	NA
Incore Instrument QuickLoc Assemblies (8 Locations)	RXS-MY-Y11 through Y18	Yes	NA
Source Range Detectors (4)	RXS-JE- NE001A/NE001B/NE001C/NE001D	Yes	XXXX
Intermediate Range Detectors (4)	RXS-JE- NE002A/NE002B/NE002C/NE002D	Yes	XXXX
Power Range Detectors - Lower (4)	RXS-JE- NE003A/NE003B/NE003C/NE003D	Yes	XXXX
Power Range Detectors - Upper (4)	RXS-JE- NE004A/NE004B/NE004C/NE004D	Yes	XXXX

Subject: Uncompleted ITAAC 2.1.03.09a.ii [Index No. 82]

ITAAC Statement

Design Commitment

- 9.a) *The Class 1E equipment identified in Table 2.1.3-1 as being qualified for a harsh environment can withstand the environmental conditions that would exist before, during, and following a design basis accident without loss of safety function for the time required to perform the safety function.*

Inspections/Tests/Analyses

- ii) *Inspection will be performed of the as-built Class 1E equipment and the associated wiring, cables, and terminations located in a harsh environment.*

Acceptance Criteria

- ii) *A report exists and concludes that the as-built Class 1E equipment and the associated wiring, cables, and terminations identified in Table 2.1.3-1 as being qualified for a harsh environment are bounded by type tests, analyses, or a combination of type tests and analyses.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the Class 1E equipment identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.1.3-1 (Attachment A) as being qualified for a harsh environment can withstand the environmental conditions that would exist before, during, and following a design basis accident without loss of safety function for the time required to perform the safety function. The subject ITAAC requires inspection of the as-built Class 1E equipment and the associated wiring, cables, and terminations located in a harsh environment.

Harsh environment qualification of the components in VEGP Unit 3 COL Appendix C Table 2.1.3-1 is verified by type tests, analyses or a combination of type tests and analyses in accordance with ITAAC 2.1.03.09a.i (Reference 1). Equipment Qualification Data Packages (EQDP) and Equipment Qualification Summary Reports (EQSR) identify the equipment mounting employed for qualification and the environmental conditions tested or analyzed.

In accordance with Equipment Qualification (EQ) Walkdown Inspection Procedure XYZ (Reference 2), an inspection is conducted of the Reactor System (RXS) to confirm the satisfactory installation of the Class 1E components. The inspection includes verification of equipment make/model/serial number; verification of the equipment mounting, wiring, cables, and terminations; and verification of equipment location to confirm that the harsh environmental conditions for the room in which the component is mounted are bounded by the tested or analyzed conditions.

The documentation of installed configuration of harsh environment qualified components includes photographs and/or sketches of equipment mounting and connections. The verification of installed component configuration is documented in the EQ As-Built Reconciliation Report(s) (Reference 3).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the Class 1E equipment identified in VEGP Unit 3 COL Appendix C Table 2.1.3.-1 including the associated wiring, cables, and terminations are bounded by the qualified configuration and IEEE Standard 323-1974 (Reference 4). The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC 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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.1.03.09a.i
2. EQ Walkdown Inspection Procedure XYZ
3. EQ As-Built Reconciliation Report(s) as identified in Attachment A
4. IEEE Standard 323-1974, "IEEE Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations"
5. ITAAC 2.1.03.09a.ii Completion Package
6. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.1.3-1

ITAAC COMPLIANCE MATRIX FOR HARSH ENVIRONMENT
QUALIFIED EQUIPMENT
(REACTOR SYSTEM)

Equipment Name	Tag No.	Class 1E/Qual. For Harsh Envir.	EQ As-Built Reconciliation Report(s)
Source Range Detectors (4)	RXS-JE- NE001A/NE001B/NE001C/N E001D	Yes/Yes	XXX
Intermediate Range Detectors (4)	RXS-JE- NE002A/NE002B/NE002C/N E002D	Yes/Yes	XXX
Power Range Detectors - Lower (4)	RXS-JE- NE003A/NE003B/NE003C/N E003D	Yes/Yes	XXX
Power Range Detectors - Upper (4)	RXS-JE- NE004A/NE004B/NE004C/N E004D	Yes/Yes	XXX

Subject: Uncompleted ITAAC 2.2.01.05.iii [Index No. 100]

ITAAC Statement

Design Commitment

5. *The seismic Category I equipment identified in Table 2.2.1-1 can withstand seismic design basis loads without loss of structural integrity and safety function.*

Inspections/Tests/Analyses

- iii) *Inspection will be performed for the existence of a report verifying that the as-built equipment including anchorage is seismically bounded by the tested or analyzed conditions.*

Acceptance Criteria

- iii) *The as-built equipment including anchorage is seismically bounded by the tested or analyzed conditions.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the seismic Category I equipment identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.2.1-1 (Attachment A) can withstand seismic design basis loads without loss of safety function. The subject ITAAC requires that an inspection is performed for the existence of a report verifying that the as-built equipment including anchorage are seismically bounded by the tested or analyzed conditions.

Seismic qualification of the equipment in VEGP Unit 3 COL Appendix C Table 2.2.1-1 is verified by type tests, analyses, or a combination of type tests and analyses in accordance with ITAAC 2.2.01.05.ii (Reference 1). As part of the seismic qualification program, consideration is given to the definition of clearances needed around the equipment mounted in the plant to permit the equipment to move during a postulated seismic event without causing impact between adjacent pieces of safety-related equipment or between safety-related equipment and adjacent non-safety related structures or components. This is done as part of seismic testing by measuring the maximum dynamic relative displacement of the top and bottom of the equipment. Justification is provided that the equipment will not impact adjacent equipment or structures as part of the Equipment Qualification (EQ) As-Built Reconciliation Report (Reference 2) based on the walkdown inspection.

The qualification reports of the equipment identify the equipment mounting employed for qualification and establish interface requirements for assuring that subsequent in-plant installation does not degrade the established qualification. Interface requirements are defined based on the test configuration and other design requirements.

In accordance with EQ Walkdown Inspection Procedure XYZ (Reference 3), an inspection is conducted of the Containment System (CNS) to confirm the satisfactory installation of the seismically qualified equipment. The inspection includes verification of equipment make/model/serial number; verification of as-built equipment mounting orientation, anchorage and clearances; and verification of electrical and other interfaces.

The documentation of installed configuration of seismically qualified equipment includes photographs and/or sketches of equipment/mounting/interfaces. The verification of installed equipment configuration is documented in the EQ As-Built Reconciliation Report(s).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the Seismic Category I equipment identified in VEGP Unit 3 COL Appendix C Table 2.2.1-1, including anchorage, is seismically bounded by the tested or analyzed conditions and IEEE Standard 344-1987 (Reference 4) and NRC Regulatory Guide 1.100, Rev. 2 (Reference 5). The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC Completion Package (Reference 6).

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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.2.01.05.ii
2. EQ As-Built Reconciliation Report(s) as identified in Attachment A
3. EQ Walkdown Inspection Procedure XYZ
4. IEEE Standard 344-1987, "Recommended Practices for Seismic Qualification of Class 1E Equipment for Nuclear Power Generating Stations"
5. Regulatory Guide 1.100, Rev. 2, "Seismic Qualification of Electric and Mechanical Equipment for Nuclear Power Plants"
6. ITAAC 2.2.01.05.iii Completion Package
7. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.2.1-1

ITAAC COMPLIANCE MATRIX FOR SEISMIC CATEGORY I EQUIPMENT
(CONTAINMENT SYSTEM)

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Service Air Supply Outside Containment Isolation Valve	CAS-PL-V204	Yes	XXX
Service Air Supply Inside Containment Isolation Check Valve	CAS-PL-V205	Yes	XXX
Instrument Air Supply Outside Containment Isolation Valve	CAS-PL-V014	Yes	XXX
Instrument Air Supply Inside Containment Isolation Check Valve	CAS-PL-V015	Yes	XXX
Component Cooling Water System (CCS) Containment Isolation Motor-operated Valve (MOV) – Inlet Line Outside Reactor Containment (ORC)	CCS-PL-V200	Yes	XXX
CCS Containment Isolation Check Valve – Inlet Line Inside Reactor Containment (IRC)	CCS-PL-V201	Yes	XXX
CCS Containment Isolation MOV – Outlet Line IRC	CCS-PL-V207	Yes	XXX
CCS Containment Isolation MOV – Outlet Line ORC	CCS-PL-V208	Yes	XXX
CCS Containment Isolation Relief Valve – Outlet Line IRC	CCS-PL-V220	Yes	XXX
Demineralized Water Supply Containment Isolation Valve ORC	DWS-PL-V244	Yes	XXX
Demineralized Water Supply Containment Isolation Check Valve IRC	DWS-PL-V245	Yes	XXX
Fuel Transfer Tube	FHS-FT-001	Yes	XXX
Fuel Transfer Tube Isolation Valve	FHS-PL-V001	Yes	XXX
Fire Water Containment Supply Isolation Valve – Outside	FPS-PL-V050	Yes	XXX
Fire Water Containment Isolation Supply Check Valve – Inside	FPS-PL-V052	Yes	XXX

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Spent Fuel Pool Cooling System (SFS) Discharge Line Containment Isolation Check Valve – IRC	SFS-PL-V037	Yes	XXX
SFS Discharge Line Containment Isolation MOV – ORC	SFS-PL-V038	Yes	XXX
SFS Suction Line Containment Isolation MOV – IRC	SFS-PL-V034	Yes	XXX
SFS Suction Line Containment Isolation MOV – ORC	SFS-PL-V035	Yes	XXX
SFS Suction Line Containment Isolation Relief Valve – IRC	SFS-PL-V067	Yes	XXX
Containment Purge Inlet Containment Isolation Valve – ORC	VFS-PL-V003	Yes	XXX
Containment Purge Inlet Containment Isolation Valve – IRC	VFS-PL-V004	Yes	XXX
Integrated Leak Rate Testing Vent Discharge Containment Isolation Valve – ORC	VFS-PL-V008	Yes	XXX
Containment Purge Discharge Containment Isolation Valve – IRC	VFS-PL-V009	Yes	XXX
Containment Purge Discharge Containment Isolation Valve – ORC	VFS-PL-V010	Yes	XXX
Vacuum Relief Containment Isolation A – ORC	VFS-PL-V800A	Yes	XXX
Vacuum Relief Containment Isolation B – ORC	VFS-PL-V800B	Yes	XXX
Vacuum Relief Containment Isolation Check Valve A – IRC	VFS-PL-V803A	Yes	XXX
Vacuum Relief Containment Isolation Check Valve B – IRC	VFS-PL-V803B	Yes	XXX
Fan Coolers Return Containment Isolation Valve – IRC	VWS-PL-V082	Yes	XXX
Fan Coolers Return Containment Isolation Valve – ORC	VWS-PL-V086	Yes	XXX
Fan Coolers Return Containment Isolation Relief Valve – IRC	VWS-PL-V080	Yes	XXX

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Fan Coolers Supply Containment Isolation Valve – ORC	VWS-PL-V058	Yes	XXX
Fan Coolers Supply Containment Isolation Check Valve – IRC	VWS-PL-V062	Yes	XXX
Reactor Coolant Drain Tank (RCDT) Gas Outlet Containment Isolation Valve – IRC	WLS-PL-V067	Yes	XXX
RCDT Gas Outlet Containment Isolation Valve – ORC	WLS-PL-V068	Yes	XXX
Sump Discharge Containment Isolation Valve – IRC	WLS-PL-V055	Yes	XXX
Sump Discharge Containment Isolation Valve – ORC	WLS-PL-V057	Yes	XXX
Sump Discharge Containment Isolation Relief Valve – IRC	WLS-PL-V058	Yes	XXX
Spare Penetration	CNS-PY-C01	Yes	XXX
Spare Penetration	CNS-PY-C02	Yes	XXX
Spare Penetration	CNS-PY-C03	Yes	XXX
Main Equipment Hatch	CNS-MY-Y01	Yes	XXX
Maintenance Hatch	CNS-MY-Y02	Yes	XXX
Personnel Hatch	CNS-MY-Y03	Yes	XXX
Personnel Hatch	CNS-MY-Y04	Yes	XXX
Containment Vessel	CNS-MV-01	Yes	XXX
Electrical Penetration P03	DAS-EY-P03Z	Yes	XXX
Electrical Penetration P01	ECS-EY-P01X	Yes	XXX
Electrical Penetration P02	ECS-EY-P02X	Yes	XXX
Electrical Penetration P06	ECS-EY-P06Y	Yes	XXX
Electrical Penetration P07	ECS-PY-P07X	Yes	XXX
Electrical Penetration P09	ECS-EY-P09W	Yes	XXX
Electrical Penetration P10	ECS-EY-P10W	Yes	XXX
Electrical Penetration P11	IDSA-EY-P11Z	Yes	XXX
Electrical Penetration P12	IDSA-EY-P12Y	Yes	XXX
Electrical Penetration P13	IDSA-EY-P13Y	Yes	XXX
Electrical Penetration P14	IDSD-EY-P14Z	Yes	XXX
Electrical Penetration P15	IDSD-EY-P15Y	Yes	XXX
Electrical Penetration P16	IDSD-EY-P16Y	Yes	XXX
Electrical Penetration P17	ECS-EY-P17X	Yes	XXX
Electrical Penetration P18	ECS-EY-P18X	Yes	XXX
Electrical Penetration P19	ECS-EY-P19Z	Yes	XXX
Electrical Penetration P20	ECS-EY-P20Z	Yes	XXX
Electrical Penetration P21	EDS-EY-P21Z	Yes	XXX
Electrical Penetration P22	ECS-EY-P22X	Yes	XXX
Electrical Penetration P23	ECS-EY-P23X	Yes	XXX
Electrical Penetration P24	ECS-EY-P24	Yes	XXX
Electrical Penetration P25	ECS-EY-P25W	Yes	XXX

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Electrical Penetration P26	ECS-EY-P26W	Yes	XXX
Electrical Penetration P27	IDSC-EY-P27Z	Yes	XXX
Electrical Penetration P28	IDSC-EY-P28Y	Yes	XXX
Electrical Penetration P29	IDSC-EY-P29Y	Yes	XXX
Electrical Penetration P30	IDSB-EY-P30Z	Yes	XXX
Electrical Penetration P31	IDSB-EY-P31Y	Yes	XXX
Electrical Penetration P32	IDSB-EY-P32Y	Yes	XXX
Instrument Penetration P46	PCS-PY-C01	Yes	XXX
Instrument Penetration P47	PCS-PY-C02	Yes	XXX
Instrument Penetration P48	PCS-PY-C03	Yes	XXX
Instrument Penetration P49	PCS-PY-C04	Yes	XXX

Subject: Uncompleted ITAAC 2.2.01.06a.ii [Index No. 102]

ITAAC Statement

Design Commitment

- 6.a) *The Class 1E equipment identified in Table 2.2.1-1 as being qualified for a harsh environment can withstand the environmental conditions that would exist before, during, and following a design basis accident without loss of safety function for the time required to perform the safety function.*

Inspections/Tests/Analyses

- ii) *Inspection will be performed of the as-built Class 1E equipment and the associated wiring, cables, and terminations located in a harsh environment.*

Acceptance Criteria

- ii) *A report exists and concludes that the as-built Class 1E equipment and the associated wiring, cables, and terminations identified in Table 2.2.1-1 as being qualified for a harsh environment are bounded by type tests, analyses, or a combination of type tests and analyses.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the Class 1E equipment identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.2.1-1 (Attachment A) as being qualified for a harsh environment can withstand the environmental conditions that would exist before, during, and following a design basis accident without loss of safety function for the time required to perform the safety function. The subject ITAAC requires inspection of the as-built Class 1E equipment and the associated wiring, cables, and terminations located in a harsh environment.

Harsh environment qualification of the components in VEGP Unit 3 COL Appendix C Table 2.2.2-1 is verified by type tests, analyses, or a combination of type tests and analyses in accordance with ITAAC 2.2.01.06a.i (Reference 1). Equipment Qualification Data Packages (EQDP) and Equipment Qualification Summary Reports (EQSR) identify the equipment mounting employed for qualification and the environmental conditions tested or analyzed.

In accordance with Equipment Qualification (EQ) Walkdown Inspection Procedure XYZ (Reference 2), an inspection is conducted of the Containment System (CNS) to confirm the satisfactory installation of the Class 1E components. The inspection includes verification of equipment make/model/serial number; verification of the equipment mounting, wiring, cables, and terminations; and verification of equipment location to confirm that the harsh environmental conditions for the room in which the component is mounted are bounded by the tested or analyzed conditions.

The documentation of installed configuration of harsh environment qualified components includes photographs and/or sketches of equipment mounting and connections. The verification of installed component configuration is documented in the EQ As-Built Reconciliation Report(s) (Reference 3).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the Class 1E equipment identified in VEGP Unit 3 COL Appendix C Table 2.2.1-1 including the associated wiring, cables, and terminations are bounded by the qualified configuration and IEEE Standard 323-1974 (Reference 4). The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC 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. ND-XX-XXXX ITAAC 2.2.01.06a.i Closure Notification on Completion Package
2. EQ Walkdown Inspection Procedure XYZ
3. EQ As-Built Reconciliation Report(s) as identified in Attachment A
4. IEEE Standard 323-1974, "IEEE Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations"
5. ITAAC 2.2.01.06a.ii Completion Package
6. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.2.1-1

ITAAC COMPLIANCE MATRIX FOR HARSH ENVIRONMENT
QUALIFIED EQUIPMENT
(CONTAINMENT SYSTEM)

Equipment Name	Tag No.	Class 1E/Qual. For Harsh Envir.	EQ As-Built Reconciliation Report(s)
CCS Containment Isolation MOV – Outlet Line IRC	CCS-PL-V207	Yes/Yes	XXX
SFS Suction Line Containment Isolation MOV – IRC	SFS-PL-V034	Yes/Yes	XXX
Containment Purge Inlet Containment Isolation Valve – IRC	VFS-PL-V004	Yes/Yes	XXX
Containment Purge Discharge Containment Isolation Valve – IRC	VFS-PL-V009	Yes/Yes	XXX
Fan Coolers Return Containment Isolation Valve – IRC	VWS-PL-V082	Yes/Yes	XXX
Reactor Coolant Drain Tank (RCDT) Gas Outlet Containment Isolation Valve – IRC	WLS-PL-V067	Yes/Yes	XXX
Sump Discharge Containment Isolation Valve – IRC	WLS-PL-V055	Yes/Yes	XXX
Electrical Penetration P11	IDSA-EY-P11Z	Yes/Yes	XXX
Electrical Penetration P12	IDSA-EY-P12Y	Yes/Yes	XXX
Electrical Penetration P13	IDSA-EY-P13Y	Yes/Yes	XXX
Electrical Penetration P14	IDSD-EY-P14Z	Yes/Yes	XXX
Electrical Penetration P15	IDSD-EY-P15Y	Yes/Yes	XXX
Electrical Penetration P16	IDSD-EY-P16Y	Yes/Yes	XXX
Electrical Penetration P27	IDSC-EY-P27Z	Yes/Yes	XXX
Electrical Penetration P28	IDSC-EY-P28Y	Yes/Yes	XXX
Electrical Penetration P29	IDSC-EY-P29Y	Yes/Yes	XXX
Electrical Penetration P30	IDSB-EY-P30Z	Yes/Yes	XXX
Electrical Penetration P31	IDSB-EY-P31Y	Yes/Yes	XXX
Electrical Penetration P32	IDSB-EY-P32Y	Yes/Yes	XXX

Subject: Uncompleted ITAAC 2.2.01.06d.ii [Index No. 106]

ITAAC Statement

Design Commitment

- 6.d) *The non-Class 1E electrical penetrations identified in Table 2.2.1-1 as being qualified for a harsh environment can withstand the environmental conditions that would exist before, during, and following a design basis accident without loss of containment pressure boundary integrity.*

Inspections/Tests/Analyses

- ii) *Inspection will be performed of the as-built non-Class 1E electrical penetrations located in a harsh environment.*

Acceptance Criteria

- ii) *A report exists and concludes that the as-built non-Class 1E electrical penetrations identified in Table 2.2.1-1 as being qualified for a harsh environment are bounded by type tests, analyses, or a combination of type tests and analyses.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the non-Class 1E electrical penetrations identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.2.1-1 (Attachment A) as being qualified for a harsh environment can withstand the environmental conditions that would exist before, during, and following a design basis accident without loss of containment pressure boundary integrity. The subject ITAAC requires inspection of the as-built non-Class 1E electrical penetrations located in a harsh environment.

Harsh environment qualification of the non-Class 1E electrical penetrations in VEGP Unit 3 COL Appendix C Table 2.2.1-1 is verified by type tests, analyses, or a combination of type tests and analyses in accordance with ITAAC 2.2.01.06d.i (Reference 1). Equipment Qualification Data Packages (EQDP) and Equipment Qualification Summary Reports (EQSR) identify the equipment mounting employed for qualification and the environmental conditions tested or analyzed.

In accordance with Equipment Qualification (EQ) Walkdown Inspection Procedure XYZ (Reference 2), an inspection is conducted of the Containment System (CNS) to confirm the satisfactory installation of the non-Class 1E electrical penetrations. The inspection includes verification of equipment make/model/serial number; verification of the equipment mounting, wiring, cables, and terminations; and verification of equipment location to confirm that the harsh environmental conditions for the room in which the component is mounted are bounded by the tested or analyzed conditions.

The documentation of installed configuration of harsh environment qualified components includes photographs and/or sketches of equipment mounting and connections. The verification of installed component configuration is documented in the EQ As-Built Reconciliation Report(s) (Reference 3).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the non-Class 1E electrical penetrations identified in VEGP Unit 3 COL Appendix C Table 2.2.1-1 including the associated wiring, cables, and terminations are bounded by the qualified configuration and IEEE Standard 323-1974 (Reference 4). The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC 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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.2.01.06d.i
2. EQ Walkdown Inspection Procedure XYZ
3. EQ As-Built Reconciliation Report(s) as identified in Attachment A
4. IEEE Standard 323-1974, "IEEE Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations"
5. ITAAC 2.2.01.06d.ii Completion Package
6. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.2.1-1

ITAAC COMPLIANCE MATRIX FOR HARSH ENVIRONMENT
QUALIFIED EQUIPMENT
(CONTAINMENT SYSTEM)

Equipment Name	Tag No.	Class 1E/Qual. For Harsh Envir.	EQ As-Built Reconciliation Report(s)
Electrical Penetration P03	DAS-EY-P03Z	No/Yes	XXX
Electrical Penetration P01	ECS-EY-P01X	No/Yes	XXX
Electrical Penetration P02	ECS-EY-P02X	No/Yes	XXX
Electrical Penetration P06	ECS-EY-P06Y	No/Yes	XXX
Electrical Penetration P07	ECS-EY-P07X	No/Yes	XXX
Electrical Penetration P09	ECS-EY-P09W	No/Yes	XXX
Electrical Penetration P10	ECS-EY-P10W	No/Yes	XXX
Electrical Penetration P17	ECS-EY-P17X	No/Yes	XXX
Electrical Penetration P18	ECS-EY-P18X	No/Yes	XXX
Electrical Penetration P19	ECS-EY-P19Z	No/Yes	XXX
Electrical Penetration P20	ECS-EY-P20Z	No/Yes	XXX
Electrical Penetration P21	ECS-EY-P21Z	No/Yes	XXX
Electrical Penetration P22	ECS-EY-P22X	No/Yes	XXX
Electrical Penetration P23	ECS-EY-P23X	No/Yes	XXX
Electrical Penetration P24	ECS-EY-P24	No/Yes	XXX
Electrical Penetration P25	ECS-EY-P25W	No/Yes	XXX
Electrical Penetration P26	ECS-EY-P26W	No/Yes	XXX

Subject: Uncompleted ITAAC 2.2.01.11a.ii [Index No. 115]

ITAAC Statement

Design Commitment

11.a) *The motor-operated and check valves identified in Table 2.2.1-1 perform an active safety-related function to change position as indicated in the table.*

Inspections/Tests/Analyses

ii) *Inspection will be performed for the existence of a report verifying that the as-built motor-operated valves are bounded by the tests or type tests.*

Acceptance Criteria

ii) *A report exists and concludes that the as-built motor-operated valves are bounded by the tests or type tests.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the motor-operated valves identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.2.1-1 (Attachment A) perform an active safety-related function to change position as indicated in the table. The subject ITAAC requires that an inspection is performed for the existence of a report verifying that the as-built motor-operated valves are bounded by the tests or type tests.

The motor-operated valves in VEGP Unit 3 Combined License (COL) Appendix C Table 2.2.1-1 are verified by tests or type tests in accordance with ITAAC 2.2.01.11a.i (Reference 1) to demonstrate the capability of the valve to operation under its design conditions. Equipment Qualification Data Packages (EQDP) and Equipment Qualification Summary Reports (EQSR) identify the equipment mounting employed for the testing and the specific conditions tested.

In accordance with Equipment Qualification (EQ) Walkdown Inspection Procedure XYZ (Reference 2) an inspection is conducted of the Containment System (CNS) to confirm the satisfactory installation of the motor-operated valves. The inspection includes verification that equipment make/model/serial number, verification that equipment mounting and location, and verification that the mechanical and electrical connections are bounded by the tests or type tests.

The documentation of installed configuration of the motor-operated valves includes photographs and/or sketches of equipment mounting and connections. The verification of installed component configuration is documented in the EQ As-Built Reconciliation Report(s) (Reference 3)

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the motor-operated valves identified in VEGP Unit 3 COL Appendix C Table

2.2.1-1 is bounded by the tests or type tests. The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC Completion Package (Reference 4).

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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC ITAAC 2.2.01.11a.i
2. EQ Walkdown Inspection Procedure XYZ
3. EQ As-Built Reconciliation Report(s) as identified in Attachment A
4. ITAAC ITAAC 2.2.01.11a.ii Completion Package
5. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.2.1-1

MOTOR-OPERATED VALVES
(CONTAINMENT SYSTEM)

Equipment Name	Tag No.	Active Function	EQ As-Built Reconciliation Report(s)
Component Cooling Water System (CCS) Containment Isolation Motor-operated Valve (MOV) – Inlet Line Outside Reactor Containment (ORC)	CCS-PL-V200	Transfer Closed	XXX
CCS Containment Isolation MOV – Outlet Line IRC	CCS-PL-V207	Transfer Closed	XXX
CCS Containment Isolation MOV – Outlet Line ORC	CCS-PL-V208	Transfer Closed	XXX
SFS Discharge Line Containment Isolation MOV – ORC	SFS-PL-V038	Transfer Closed	XXX
SFS Suction Line Containment Isolation MOV – IRC	SFS-PL-V034	Transfer Closed	XXX
SFS Suction Line Containment Isolation MOV – ORC	SFS-PL-V035	Transfer Closed	XXX

Subject: Uncompleted ITAAC 2.2.02.06a.ii [Index No. 132]

ITAAC Statement

Design Commitment

- 6.a) *The Class 1E components identified in Table 2.2.2-1 as being qualified for a harsh environment can withstand the environmental conditions that would exist before, during, and following a design basis accident without loss of safety function for the time required to perform the safety function.*

Inspections/Tests/Analyses

- ii) *Inspection will be performed of the as-built Class 1E components and the associated wiring, cables, and terminations located in a harsh environment.*

Acceptance Criteria

- ii) *A report exists and concludes that the as-built Class 1E components and the associated wiring, cables, and terminations identified in Table 2.2.2-1 as being qualified for a harsh environment are bounded by type tests, analyses, or a combination of type tests and analyses.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the Class 1E components identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.2.2-1 (Attachment A) as being qualified for a harsh environment can withstand the environmental conditions that would exist before, during, and following a design basis accident without loss of safety function for the time required to perform the safety function. The subject ITAAC requires inspection of the as-built Class 1E components and the associated wiring, cables, and terminations located in a harsh environment.

Harsh environment qualification of the components in VEGP Unit 3 COL Appendix C Table 2.2.2-1 is verified by type tests or a combination of type tests and analyses in accordance with ITAAC 2.2.02.06a.i (Reference 1). Equipment Qualification Data Packages (EQDP) and Equipment Qualification Summary Reports (EQSR) identify the equipment mounting employed for qualification and the environmental conditions tested or analyzed.

In accordance with Equipment Qualification (EQ) Walkdown Inspection Procedure XYZ (Reference 2), an inspection is conducted of the Passive Containment Cooling System (PCS) to confirm the satisfactory installation of the Class 1E components. The inspection includes verification of component make/model/serial number; verification of the component mounting, wiring, cables, and terminations; and verification of component location to confirm that the harsh environmental conditions for the room in which the components are mounted are bounded by the tested or analyzed conditions.

The documentation of installed configuration of harsh environment qualified components includes photographs and/or sketches of equipment mounting and connections. The verification of installed component configuration is documented in the EQ As-Built Reconciliation Report(s) (Reference 3).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the Class 1E components identified in VEGP Unit 3 COL Appendix C Table 2.2.2-1 including the associated wiring, cables, and terminations are bounded by the qualified configuration and IEEE Standard 323-1974 (Reference 4). The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC 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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.2.02.06a.i
2. EQ Walkdown Inspection Procedure XYZ
3. EQ As-Built Reconciliation Report(s) as identified in Attachment A
4. IEEE Standard 323-1974, "IEEE Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations"
5. ITAAC 2.2.02.06a.ii Completion Package
6. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.2.2-1

ITAAC COMPLIANCE MATRIX FOR HARSH ENVIRONMENT
QUALIFIED EQUIPMENT
(PASSIVE CONTAINMENT COOLING SYSTEM)

Equipment Name	Tag No.	Class 1E/Qual. For Harsh Envir.	EQ As-Built Reconciliation Report(s)
Containment Pressure Sensor	PCS-005	Yes/Yes	XXX
Containment Pressure Sensor	PCS-006	Yes/Yes	XXX
Containment Pressure Sensor	PCS-007	Yes/Yes	XXX
Containment Pressure Sensor	PCS-008	Yes/Yes	XXX
High-range Containment Pressure Sensor	PCS-012	Yes/Yes	XXX
High-range Containment Pressure Sensor	PCS-013	Yes/Yes	XXX
High-range Containment Pressure Sensor	PCS-014	Yes/Yes	XXX

Subject: Uncompleted ITAAC 2.2.02.11a.ii [Index No. 155]

ITAAC Statement

Design Commitment

- 11.a) *The motor-operated valves identified in Table 2.2.2-1 perform an active safety-related function to change position as indicated in the table.*

Inspections/Tests/Analyses

- ii) *Inspection will be performed for the existence of a report verifying that the capability of the as-built motor-operated valves bound the tested conditions.*

Acceptance Criteria

- ii) *A report exists and concludes that the capability of the as-built motor-operated valves bound the tested conditions.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the motor-operated valves identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.2.2-1 (Attachment A) perform an active safety-related function to change position as indicated in the table. The subject ITAAC requires that an inspection is performed for the existence of a report verifying that the capability of the as-built motor-operated valves bound the tested conditions.

The motor-operated valves in VEGP Unit 3 COL Appendix C Table 2.2.2-1 are verified by the tests or type tests in accordance with ITAAC 2.2.02.11a.i (Reference 1) to demonstrate the capability of the valve to operate under its design conditions. Equipment Qualification Data Packages (EQDP) and Equipment Qualification Summary Reports (EQSR) identify the equipment mounting employed for the testing and the specific conditions tested.

In accordance with Equipment Qualification (EQ) Walkdown Inspection Procedure XYZ (Reference 2) an inspection is conducted of the Passive Containment Cooling System (PCS) to confirm the satisfactory installation of the valves. The inspection includes verification of equipment make/model/serial number, verification of equipment mounting and location, and verification that the mechanical and electrical connections are bounded by the tested conditions.

The documentation of installed configuration of the motor-operated valves includes photographs and/or sketches of equipment mounting and connections. The verification of installed component configuration is documented in the EQ As-Built Reconciliation Report(s) (Reference 3).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the capability of the as-built motor-operated valves identified in VEGP Unit 3 COL Appendix C Table 2.2.2-1 bound the tested conditions. The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC Completion Package (Reference 4).

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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.2.02.11a.i
2. EQ Walkdown Inspection Procedure XYZ
3. EQ As-Built Reconciliation Report(s) as identified in Attachment A
4. ITAAC 2.2.02.11a.ii Completion Package
5. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.2.2-1

MOTOR-OPERATED VALVES
(PASSIVE CONTAINMENT COOLING SYSTEM)

Equipment Name	Tag No.	Active Function	EQ As-Built Reconciliation Report(s)
PCCWST Isolation Block MOV	PCS-PL-V002A	Transfer Open	XXX
PCCWST Isolation Block MOV	PCS-PL-V002B	Transfer Open	XXX
PCCWST Isolation Block MOV	PCS-PL-V002C	Transfer Open	XXX
PCCWST Isolation Valve	PCS-PL-V001C	Transfer Open	XXX

Subject: Uncompleted ITAAC 2.2.03.05a.iii [Index No. 167]

ITAAC Statement

Design Commitment

- 5.a) *The seismic Category I equipment identified in Table 2.2.3-1 can withstand seismic design basis loads without loss of safety function.*

Inspections/Tests/Analyses

- iii) *Inspection will be performed for the existence of a report verifying that the as-built equipment including anchorage is seismically bounded by the tested or analyzed conditions.*

Acceptance Criteria

- iii) *A report exists and concludes that the as-built equipment including anchorage is seismically bounded by the tested or analyzed conditions. For the PXS containment recirculation and IRWST screens, a report exists and concludes that the as-built screens including their anchorage are bounded by the seismic loads and also post-accident operating loads, including head loss and debris weights.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the seismic Category I equipment identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.2.3-1 (Attachment A) can withstand seismic design basis loads without loss of safety function. The subject ITAAC requires an inspection to be performed for the existence of a report verifying that the as-built equipment including anchorage are seismically bounded by the tested or analyzed conditions. The subject ITAAC's Acceptance Criteria states that a report exists and concludes two separate criteria, and they are:

1. As-built equipment including anchorage is seismically bounded by the tested or analyzed conditions.

Seismic qualification of the equipment in VEGP Unit 3 COL Table 2.2.3-1 is verified by type tests, analyses, or a combination of type tests and analyses in accordance with ITAAC 2.2.03.05a.ii (Reference 1). As part of the seismic qualification program, consideration is given to the definition of clearances needed around the equipment mounted in the plant to permit the equipment to move during a postulated seismic event without causing impact between adjacent pieces of safety-related equipment or between safety-related equipment and adjacent non-safety related structures or components. This is done as part of seismic testing by measuring the maximum dynamic relative displacement of the top and bottom of the equipment. Justification is provided that the equipment will not impact adjacent equipment or structures as part of the Equipment Qualification (EQ) As-Built Reconciliation Report (Reference 2) based on the walkdown inspection.

The qualification reports of the equipment identify the equipment mounting employed for qualification and establish interface requirements for assuring that subsequent in-plant installation does not degrade the established qualification. Interface requirements are defined based on the test configuration and other design requirements.

In accordance with EQ Walkdown Inspection Procedure XYZ (Reference 3), an inspection is conducted of the Passive Core Cooling System (PXS) to confirm the satisfactory installation of the seismically qualified equipment. The inspection includes verification of equipment make/model/serial number; verification of as-built equipment mounting orientation, anchorage and clearances; and verification of electrical and other interfaces.

The documentation of installed configuration of seismically qualified equipment includes photographs and/or sketches of equipment/mounting/interfaces. The verification of installed equipment configuration is documented in the EQ As-Built Reconciliation Report(s).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the Seismic Category I equipment identified in VEGP Unit 3 COL Appendix C Table 2.2.3-1, including anchorage, is seismically bounded by the tested or analyzed conditions and IEEE Standard 344-1987 (Reference 4) and NRC Regulatory Guide 1.100, Rev. 2 (Reference 5). The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC Completion Package (Reference 6).

2. As-built screens including their anchorage are bounded by the seismic loads and also postaccident operating loads, including head loss and debris weights.

Seismic qualification of the equipment in VEGP Unit 3 COL Table 2.2.3-1 is verified by type tests, analyses, or a combination of type tests and analyses in accordance with ITAAC 2.2.03.05a.ii. As part of the seismic qualification program, consideration is given to postaccident operating loads, including head loss and debris weights in addition to the seismic load discussion above.

The qualification reports of the equipment identify the equipment mounting employed for qualification and establish interface requirements for assuring that subsequent in-plant installation does not degrade the established qualification. Interface requirements are defined based on the test configuration and other design requirements.

In accordance with EQ Walkdown Inspection Procedure XYZ, an inspection is conducted of the PXS to confirm the satisfactory installation of the seismically qualified equipment. The inspection includes verification of equipment make/model/serial number; verification of as-built equipment mounting orientation, anchorage and clearances; and verification of electrical and other interfaces.

The documentation of installed configuration of seismically qualified equipment includes photographs and/or sketches of equipment/mounting/interfaces. The verification of installed equipment configuration is documented in the EQ As-Built Reconciliation Report(s). Attachment A identifies the applicable EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the Seismic Category I as-built screens identified in VEGP Unit 3 COL Appendix C Table 2.2.3-1 including their anchorage are bounded by the seismic loads and also post-accident operating loads, including head loss and debris weights. The Equipment

Qualification As-Built Reconciliation Report(s) are available for NRC inspection as part of the ITAAC Completion Package.

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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.2.03.05a.ii
2. EQ As-Built Reconciliation Report(s) as identified in Attachment A
3. EQ Walkdown Inspection Procedure XYZ
4. IEEE Standard 344-1987, "Recommended Practices for Seismic Qualification of Class 1E Equipment for Nuclear Power Generating Stations"
5. Regulatory Guide 1.100, Rev. 2, "Seismic Qualification of Electric and Mechanical Equipment for Nuclear Power Plants"
6. ITAAC 2.2.03.05a.iii Completion Package
7. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.2.3-1

ITAAC COMPLIANCE MATRIX FOR SEISMIC CATEGORY I EQUIPMENT
(PASSIVE CORE COOLING SYSTEM)

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Passive Residual Heat Removal Heat Exchanger (PRHR HX)	PXS-ME-01	Yes	XXX
Accumulator Tank A	PXS-MT-01A	Yes	XXX
Accumulator Tank B	PXS-MT-01B	Yes	XXX
Core Makeup Tank (CMT) A	PXS-MT-02A	Yes	XXX
CMT B	PXS-MT-02B	Yes	XXX
IRWST	PXS-MT-03	Yes	XXX
IRWST Screen A	PXS-MY-Y01A	Yes	XXX
IRWST Screen B	PXS-MY-Y01B	Yes	XXX
IRWST Screen C	PXS-MY-Y01C	Yes	XXX
Containment Recirculation Screen A	PXS-MY-Y02A	Yes	XXX
Containment Recirculation Screen B	PXS-MY-Y02B	Yes	XXX
pH Adjustment Basket 3A	PXS-MY-Y03A	Yes	XXX
pH Adjustment Basket 3B	PXS-MY-Y03B	Yes	XXX
pH Adjustment Basket 4A	PXS-MY-Y04A	Yes	XXX
pH Adjustment Basket 4B	PXS-MY-Y04B	Yes	XXX
CMT A Inlet Isolation Motor-operated Valve	PXS-PL-V002A	Yes	XXX
CMT B Inlet Isolation Motor-operated Valve	PXS-PL-V002B	Yes	XXX
CMT A Discharge Isolation Valve	PXS-PL-V014A	Yes	XXX
CMT B Discharge Isolation Valve	PXS-PL-V014B	Yes	XXX
CMT A Discharge Isolation Valve	PXS-PL-V015A	Yes	XXX
CMT B Discharge Isolation Valve	PXS-PL-V015B	Yes	XXX
CMT A Discharge Check Valve	PXS-PL-V016A	Yes	XXX
CMT B Discharge Check Valve	PXS-PL-V016B	Yes	XXX
CMT A Discharge Check Valve	PXS-PL-V017A	Yes	XXX
CMT B Discharge Check Valve	PXS-PL-V017B	Yes	XXX
Accumulator A Pressure Relief Valve	PXS-PL-V022A	Yes	XXX
Accumulator B Pressure Relief Valve	PXS-PL-V022B	Yes	XXX
Accumulator A Discharge Isolation Valve	PXS-PL-V027A	Yes	XXX

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Accumulator B Discharge Isolation Valve	PXS-PL-V027B	Yes	XXX
Accumulator A Discharge Check Valve	PXS-PL-V028A	Yes	XXX
Accumulator B Discharge Check Valve	PXS-PL-V028B	Yes	XXX
Accumulator A Discharge Check Valve	PXS-PL-V029A	Yes	XXX
Accumulator B Discharge Check Valve	PXS-PL-V029B	Yes	XXX
Nitrogen Supply Containment Isolation Valve	PXS-PL-V042	Yes	XXX
Nitrogen Supply Containment Isolation Valve	PXS-PL-V043	Yes	XXX
PRHR HX Inlet Isolation Motor-operated Valve	PXS-PL-V101	Yes	XXX
PRHR HX Control Valve	PXS-PL-V108A	Yes	XXX
PRHR HX Control Valve	PXS-PL-V108B	Yes	XXX
Containment Recirculation A Isolation Motor-operated Valve	PXS-PL-V117A	Yes	XXX
Containment Recirculation B Isolation Motor-operated Valve	PXS-PL-V117B	Yes	XXX
Containment Recirculation A Squib Valve	PXS-PL-V118A	Yes	XXX
Containment Recirculation B Squib Valve	PXS-PL-V118B	Yes	XXX
Containment Recirculation A Check Valve	PXS-PL-V119A	Yes	XXX
Containment Recirculation B Check Valve	PXS-PL-V119B	Yes	XXX
Containment Recirculation A Squib Valve	PXS-PL-V120A	Yes	XXX
Containment Recirculation B Squib Valve	PXS-PL-V120B	Yes	XXX
IRWST Injection A Check Valve	PXS-PL-V122A	Yes	XXX
IRWST Injection B Check Valve	PXS-PL-V122B	Yes	XXX
IRWST Injection A Squib Valve	PXS-PL-V123A	Yes	XXX
IRWST Injection B Squib Valve	PXS-PL-V123B	Yes	XXX
IRWST Injection A Check Valve	PXS-PL-V124A	Yes	XXX
IRWST Injection B Check Valve	PXS-PL-V124B	Yes	XXX
IRWST Injection A Squib	PXS-PL-V125A	Yes	XXX

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Valve			
IRWST Injection B Squib Valve	PXS-PL-V125B	Yes	XXX
IRWST Gutter Isolation Valve	PXS-PL-V130A	Yes	XXX
IRWST Gutter Isolation Valve	PXS-PL-V130B	Yes	XXX
CMT A Level Sensor	PXS-011A	Yes	XXX
CMT A Level Sensor	PXS-011B	Yes	XXX
CMT A Level Sensor	PXS-011C	Yes	XXX
CMT A Level Sensor	PXS-011D	Yes	XXX
CMT B Level Sensor	PXS-012A	Yes	XXX
CMT B Level Sensor	PXS-012B	Yes	XXX
CMT B Level Sensor	PXS-012C	Yes	XXX
CMT B Level Sensor	PXS-012D	Yes	XXX
CMT A Level Sensor	PXS-013A	Yes	XXX
CMT A Level Sensor	PXS-013B	Yes	XXX
CMT A Level Sensor	PXS-013C	Yes	XXX
CMT A Level Sensor	PXS-013D	Yes	XXX
CMT B Level Sensor	PXS-014A	Yes	XXX
CMT B Level Sensor	PXS-014B	Yes	XXX
CMT B Level Sensor	PXS-014C	Yes	XXX
CMT B Level Sensor	PXS-014D	Yes	XXX
IRWST Level Sensor	PXS-045	Yes	XXX
IRWST Level Sensor	PXS-046	Yes	XXX
IRWST Level Sensor	PXS-047	Yes	XXX
IRWST Level Sensor	PXS-048	Yes	XXX
PRHR HX Flow Sensor	PXS-049A	Yes	XXX
PRHR HX Flow Sensor	PXS-049B	Yes	XXX
Containment Flood-up Level Sensor	PXS-050	Yes	XXX
Containment Flood-up Level Sensor	PXS-051	Yes	XXX
Containment Flood-up Level Sensor	PXS-052	Yes	XXX
RNS Suction Leak Test Valve	PXS-PL-V208A	Yes	XXX

Subject: Uncompleted ITAAC 2.2.03.07a.ii [Index No. 171]

ITAAC Statement

Design Commitment

- 7.a) *The Class 1E equipment identified in Table 2.2.3-1 as being qualified for a harsh environment can withstand the environmental conditions that would exist before, during, and following a design basis accident without loss of safety function for the time required to perform the safety function.*

Inspections/Tests/Analyses

- ii) *Inspection will be performed of the as-built Class 1E equipment and the associated wiring, cables, and terminations located in a harsh environment.*

Acceptance Criteria

- ii) *A report exists and concludes that the as-built Class 1E equipment and the associated wiring, cables, and terminations identified in Table 2.2.3-1 as being qualified for a harsh environment are bounded by type tests, analyses, or a combination of type tests and analyses.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the Class 1E equipment identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.2.3-1 (Attachment A) as being qualified for a harsh environment can withstand the environmental conditions that would exist before, during, and following a design basis accident without loss of safety function for the time required to perform the safety function. The subject ITAAC requires inspection of the as-built Class 1E equipment and the associated wiring, cables, and terminations located in a harsh environment.

Harsh environment qualification of the components in VEGP Unit 3 COL Appendix C Table 2.2.3-1 is verified by type tests, analyses or a combination of type tests and analyses in accordance with ITAAC 2.2.03.07a.i (Reference 1). Equipment Qualification Data Packages (EQDP) and Equipment Qualification Summary Reports (EQSR) identify the equipment mounting employed for qualification and the environmental conditions tested or analyzed.

In accordance with Equipment Qualification (EQ) Walkdown Inspection Procedure XYZ (Reference 2), an inspection is conducted of the Passive Core Cooling System (PXS) to confirm the satisfactory installation of the Class 1E components. The inspection includes verification of equipment make/model/serial number; verification of the equipment mounting, wiring, cables, and terminations; and verification of equipment location to confirm that the harsh environmental conditions for the room in which the component is mounted are bounded by the tested or analyzed conditions.

The documentation of installed configuration of harsh environment qualified components includes photographs and/or sketches of equipment mounting and connections. The verification of installed component configuration is documented in the EQ As-Built Reconciliation Report(s) (Reference 3).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the Class 1E equipment identified in VEGP Unit 3 COL Appendix C Table 2.2.3.-1 including the associated wiring, cables, and terminations are bounded by the qualified configuration and IEEE Standard 323-1974 (Reference 4). The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC 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 two closed (2) notices of nonconformance (NON) associated with this ITAAC

3. 99900404/2012-201-02 – Failure to identify design interfaces sufficient to allow for the translation of the design basis into specifications for full range of temperatures for credited operation.
4. 99900404/2012-201-03 – Failure to establish measures necessary to ensure that the design basis for the Diverse Actuation System was correctly translated into specifications, drawings, and instructions.

The ITAAC completion review determined that all corrective actions associated with the findings are complete and are closed. The NRC closure of these findings is documented in NRC Vendor Inspection Report No. 99900404/2012-202.

References (available for NRC inspection)

1. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.2.03.07a.i
2. EQ Walkdown Inspection Procedure XYZ
3. EQ As-Built Reconciliation Report(s) as identified in Attachment A
4. IEEE Standard 323-1974, "IEEE Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations"
5. ITAAC 2.2.03.07a.ii Completion Package
6. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.2.3-1

ITAAC COMPLIANCE MATRIX FOR HARSH ENVIRONMENT
QUALIFIED EQUIPMENT
(PASSIVE CORE COOLING SYSTEM)

Equipment Name	Tag No.	Class 1E/Qual. For Harsh Envir.	EQ As-Built Reconciliation Report(s)
CMT A Inlet Isolation Motor-operated Valve	PXS-PL-V002A	Yes/Yes	XXX
CMT B Inlet Isolation Motor-operated Valve	PXS-PL-V002B	Yes/Yes	XXX
CMT A Discharge Isolation Valve	PXS-PL-V014A	Yes/Yes	XXX
CMT B Discharge Isolation Valve	PXS-PL-V014B	Yes/Yes	XXX
CMT A Discharge Isolation Valve	PXS-PL-V015A	Yes/Yes	XXX
CMT B Discharge Isolation Valve	PXS-PL-V015B	Yes/Yes	XXX
PRHR HX Inlet Isolation Motor-operated Valve	PXS-PL-V101	Yes/Yes	XXX
PRHR HX Control Valve	PXS-PL-V108A	Yes/Yes	XXX
PRHR HX Control Valve	PXS-PL-V108B	Yes/Yes	XXX
Containment Recirculation A Isolation Motor-operated Valve	PXS-PL-V117A	Yes/Yes	XXX
Containment Recirculation B Isolation Motor-operated Valve	PXS-PL-V117B	Yes/Yes	XXX
Containment Recirculation A Squib Valve	PXS-PL-V118A	Yes/Yes	XXX
Containment Recirculation B Squib Valve	PXS-PL-V118B	Yes/Yes	XXX
Containment Recirculation A Squib Valve	PXS-PL-V120A	Yes/Yes	XXX
Containment Recirculation B Squib Valve	PXS-PL-V120B	Yes/Yes	XXX
IRWST Injection A Squib Valve	PXS-PL-V123A	Yes/Yes	XXX
IRWST Injection B Squib Valve	PXS-PL-V123B	Yes/Yes	XXX
IRWST Injection A Squib Valve	PXS-PL-V125A	Yes/Yes	XXX
IRWST Injection B Squib Valve	PXS-PL-V125B	Yes/Yes	XXX
IRWST Gutter Isolation Valve	PXS-PL-V130A	Yes/Yes	XXX
IRWST Gutter Isolation Valve	PXS-PL-V130B	Yes/Yes	XXX
CMT A Level Sensor	PXS-011A	Yes/Yes	XXX

Equipment Name	Tag No.	Class 1E/Qual. For Harsh Envir.	EQ As-Built Reconciliation Report(s)
CMT A Level Sensor	PXS-011B	Yes/Yes	XXX
CMT A Level Sensor	PXS-011C	Yes/Yes	XXX
CMT A Level Sensor	PXS-011D	Yes/Yes	XXX
CMT B Level Sensor	PXS-012A	Yes/Yes	XXX
CMT B Level Sensor	PXS-012B	Yes/Yes	XXX
CMT B Level Sensor	PXS-012C	Yes/Yes	XXX
CMT B Level Sensor	PXS-012D	Yes/Yes	XXX
CMT A Level Sensor	PXS-013A	Yes/Yes	XXX
CMT A Level Sensor	PXS-013B	Yes/Yes	XXX
CMT A Level Sensor	PXS-013C	Yes/Yes	XXX
CMT A Level Sensor	PXS-013D	Yes/Yes	XXX
CMT B Level Sensor	PXS-014A	Yes/Yes	XXX
CMT B Level Sensor	PXS-014B	Yes/Yes	XXX
CMT B Level Sensor	PXS-014C	Yes/Yes	XXX
CMT B Level Sensor	PXS-014D	Yes/Yes	XXX
IRWST Level Sensor	PXS-045	Yes/Yes	XXX
IRWST Level Sensor	PXS-046	Yes/Yes	XXX
IRWST Level Sensor	PXS-047	Yes/Yes	XXX
IRWST Level Sensor	PXS-048	Yes/Yes	XXX
PRHR HX Flow Sensor	PXS-049A	Yes/Yes	XXX
PRHR HX Flow Sensor	PXS-049B	Yes/Yes	XXX
Containment Flood-up Level Sensor	PXS-050	Yes/Yes	XXX
Containment Flood-up Level Sensor	PXS-051	Yes/Yes	XXX
Containment Flood-up Level Sensor	PXS-052	Yes/Yes	XXX

Subject: Uncompleted ITAAC 2.2.04.05a.i [Index No. 226]

ITAAC Statement

Design Commitment

- 5.a) *The seismic Category I equipment identified in Table 2.2.4-1 can withstand seismic design basis loads without loss of safety function.*

Inspections/Tests/Analyses

- i) *Inspection will be performed to verify that the seismic Category I equipment identified in Table 2.2.4-1 is located on the Nuclear Island.*

Acceptance Criteria

- i) *The seismic Category I equipment identified in Table 2.2.4-1 is located on the Nuclear Island.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the seismic Category I equipment identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.2.4-1 (Attachment A) can withstand seismic design basis loads without loss of safety function. The subject ITAAC requires an inspection to verify that the seismic Category I equipment identified in Table 2.2.4-1 are located on the Nuclear Island, which is a Seismic Category I structure.

To assure that seismic Category I equipment can withstand seismic design basis loads without loss of safety function, all of the equipment in VEGP Unit 3 COL Appendix C Table 2.2.4-1 are designed to be located on the seismic Category I Nuclear Island. In accordance with Equipment Qualification (EQ) Walkdown Inspection Procedure XYZ (Reference 1), an inspection is conducted of the Steam Generator System (SGS) to confirm the satisfactory installation of the seismically qualified equipment. The inspection includes verification of equipment make/model/serial number and verification of equipment location (Building, Elevation, Room). The inspection to verify installed equipment locations is documented in the EQ As-Built Reconciliation Report(s) (Reference 2).

Attachment A identifies the EQ As-built Reconciliation Report(s) which verify that the installed location of the Seismic Category I equipment identified in VEGP Unit 3 COL Appendix C Table 2.2.4-1 is located on the Nuclear Island. The EQ As-Built Reconciliation Report(s) are available for NRC inspection as part of the ITAAC Completion Package (Reference 3).

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. EQ Walkdown Inspection Procedure XYZ
2. EQ As-Built Reconciliation Report(s) as identified in Attachment A
3. ITAAC 2.2.04.05a.i Completion Package
4. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.2.4-1

ITAAC COMPLIANCE MATRIX FOR SEISMIC CATEGORY I EQUIPMENT

(STEAM GENERATOR SYSTEM)

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Main Steam Safety Valve SG01	SGS-PL-V030A	Yes	XXX
Main Steam Safety Valve SG02	SGS-PL-V030B	Yes	XXX
Main Steam Safety Valve SG01	SGS-PL-V031A	Yes	XXX
Main Steam Safety Valve SG02	SGS-PL-V031B	Yes	XXX
Main Steam Safety Valve SG01	SGS-PL-V032A	Yes	XXX
Main Steam Safety Valve SG02	SGS-PL-V032B	Yes	XXX
Main Steam Safety Valve SG01	SGS-PL-V033A	Yes	XXX
Main Steam Safety Valve SG02	SGS-PL-V033B	Yes	XXX
Main Steam Safety Valve SG01	SGS-PL-V034A	Yes	XXX
Main Steam Safety Valve SG02	SGS-PL-V034B	Yes	XXX
Main Steam Safety Valve SG01	SGS-PL-V035A	Yes	XXX
Main Steam Safety Valve SG02	SGS-PL-V035B	Yes	XXX
Power-operated Relief Valve Block Motor-operated Valve Steam Generator 01	SGS-PL-V027A	Yes	XXX
Power-operated Relief Valve Block Motor-operated Valve Steam Generator 02	SGS-PL-V027B	Yes	XXX
Steam Line Condensate Drain Isolation Valve	SGS-PL-V036A	Yes	XXX
Steam Line Condensate Drain Isolation Valve	SGS-PL-V036B	Yes	XXX
Main Steam Line Isolation Valve	SGS-PL-V040A	Yes	XXX
Main Steam Line Isolation Valve	SGS-PL-V040B	Yes	XXX
Steam Line Condensate Drain Control Valve	SGS-PL-V086A	Yes	XXX
Steam Line Condensate Drain Control Valve	SGS-PL-V086B	Yes	XXX
Main Feedwater Isolation Valve	SGS-PL-V057A	Yes	XXX
Main Feedwater Isolation Valve	SGS-PL-V057B	Yes	XXX
Startup Feedwater Isolation Motor-operated Valve	SGS-PL-V067A	Yes	XXX
Startup Feedwater Isolation Motor-operated Valve	SGS-PL-V067B	Yes	XXX
Steam Generator Blowdown Isolation Valve	SGS-PL-V074A	Yes	XXX
Steam Generator Blowdown Isolation Valve	SGS-PL-V074B	Yes	XXX
Steam Generator Blowdown Isolation Valve	SGS-PL-V075A	Yes	XXX
Steam Generator Blowdown Isolation Valve	SGS-PL-V075B	Yes	XXX
Power-operated Relief Valve	SGS-PL-V233A	Yes	XXX
Power-operated Relief Valve	SGS-PL-V233B	Yes	XXX
Main Steam Isolation Valve Bypass	SGS-PL-V240A	Yes	XXX

U.S. Nuclear Regulatory Commission
ND-16-0684 Enclosure 2

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Isolation			
Main Steam Isolation Valve Bypass Isolation	SGS-PL-V240B	Yes	XXX
Main Feedwater Control Valve	SGS-PL-V250A	Yes	XXX
Main Feedwater Control Valve	SGS-PL-V250B	Yes	XXX
Startup Feedwater Control Valve	SGS-PL-V255A	Yes	XXX
Startup Feedwater Control Valve	SGS-PL-V255B	Yes	XXX
Steam Generator 1 Narrow Range Level Sensor	SGS-001	Yes	XXX
Steam Generator 1 Narrow Range Level Sensor	SGS-002	Yes	XXX
Steam Generator 1 Narrow Range Level Sensor	SGS-003	Yes	XXX
Steam Generator 1 Narrow Range Level Sensor	SGS-004	Yes	XXX
Steam Generator 2 Narrow Range Level Sensor	SGS-005	Yes	XXX
Steam Generator 2 Narrow Range Level Sensor	SGS-006	Yes	XXX
Steam Generator 2 Narrow Range Level Sensor	SGS-007	Yes	XXX
Steam Generator 2 Narrow Range Level Sensor	SGS-008	Yes	XXX
Steam Generator 1 Wide Range Level Sensor	SGS-011	Yes	XXX
Steam Generator 1 Wide Range Level Sensor	SGS-012	Yes	XXX
Steam Generator 2 Wide Range Level Sensor	SGS-013	Yes	XXX
Steam Generator 2 Wide Range Level Sensor	SGS-014	Yes	XXX
Steam Generator 1 Wide Range Level Sensor	SGS-015	Yes	XXX
Steam Generator 1 Wide Range Level Sensor	SGS-016	Yes	XXX
Steam Generator 2 Wide Range Level Sensor	SGS-017	Yes	XXX
Steam Generator 2 Wide Range Level Sensor	SGS-018	Yes	XXX
Main Steam Line Steam Generator 1 Pressure Sensor	SGS-030	Yes	XXX
Main Steam Line Steam Generator 1 Pressure Sensor	SGS-031	Yes	XXX
Main Steam Line Steam Generator 1 Pressure Sensor	SGS-032	Yes	XXX
Main Steam Line Steam Generator 1 Pressure Sensor	SGS-033	Yes	XXX
Main Steam Line Steam Generator 2 Pressure Sensor	SGS-034	Yes	XXX
Main Steam Line Steam Generator 2 Pressure Sensor	SGS-035	Yes	XXX
Main Steam Line Steam Generator 2	SGS-036	Yes	XXX

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Pressure Sensor			
Main Steam Line Steam Generator 2 Pressure Sensor	SGS-037	Yes	XXX
Steam Generator 1 Startup Feedwater Flow Sensor	SGS-55A	Yes	XXX
Steam Generator 1 Startup Feedwater Flow Sensor	SGS-55B	Yes	XXX
Steam Generator 2 Startup Feedwater Flow Sensor	SGS-56A	Yes	XXX
Steam Generator 2 Startup Feedwater Flow Sensor	SGS-56B	Yes	XXX

Subject: Uncompleted ITAAC 2.2.04.05a.iii [Index No. 228]

ITAAC Statement

Design Commitment

- 5.a) *The seismic Category I equipment identified in Table 2.2.4-1 can withstand seismic design basis loads without loss of safety function.*

Inspections/Tests/Analyses

- iii) *Inspection will be performed for the existence of a report verifying that the as-built equipment including anchorage is seismically bounded by the tested or analyzed conditions.*

Acceptance Criteria

- iii) *A report exists and concludes that the as-built equipment including anchorage is seismically bounded by the tested or analyzed conditions.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the seismic Category I equipment identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.2.4-1 (Attachment A) can withstand seismic design basis loads without loss of safety function. The subject ITAAC requires that an inspection is performed for the existence of a report verifying that the as-built equipment including anchorage are seismically bounded by the tested or analyzed conditions.

Seismic qualification of the equipment in VEGP Unit 3 COL Appendix C Table 2.2.4-1 is verified by type tests, analyses, or a combination of type tests and analyses in accordance with ITAAC 2.2.04.05a.ii (Reference 1). As part of the seismic qualification program, consideration is given to the definition of clearances needed around the equipment mounted in the plant to permit the equipment to move during a postulated seismic event without causing impact between adjacent pieces of safety-related equipment or between safety-related equipment and adjacent non-safety related structures or components. This is done as part of seismic testing by measuring the maximum dynamic relative displacement of the top and bottom of the equipment. Justification is provided that the equipment will not impact adjacent equipment or structures as part of the Equipment Qualification (EQ) As-Built Reconciliation Report (Reference 2) based on the walkdown inspection.

The qualification reports of the equipment identify the equipment mounting employed for qualification and establish interface requirements for assuring that subsequent in-plant installation does not degrade the established qualification. Interface requirements are defined based on the test configuration and other design requirements.

In accordance with EQ Walkdown Inspection Procedure XYZ (Reference 3), an inspection is conducted of the Steam Generator System to confirm the satisfactory installation of the seismically qualified equipment. The inspection includes verification of equipment make/model/serial number; verification of as-built equipment mounting orientation, anchorage and clearances; and verification of electrical and other interfaces.

The documentation of installed configuration of seismically qualified equipment includes photographs and/or sketches of equipment/mounting/interfaces. The verification of installed equipment configuration is documented in the EQ As-Built Reconciliation Report(s).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the Seismic Category I equipment identified in VEGP Unit 3 COL Appendix C Table 2.2.4-1, including anchorage, is seismically bounded by the tested or analyzed conditions and IEEE Standard 344-1987 (Reference 4) and NRC Regulatory Guide 1.100, Rev. 2 (Reference 5). The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC Completion Package (Reference 6).

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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.2.04.05a.ii
2. EQ As-Built Reconciliation Report(s) as identified in Attachment A
3. EQ Walkdown Inspection Procedure XYZ
4. IEEE Standard 344-1987, "Recommended Practices for Seismic Qualification of Class 1E Equipment for Nuclear Power Generating Stations"
5. Regulatory Guide 1.100, Rev. 2, "Seismic Qualification of Electric and Mechanical Equipment for Nuclear Power Plants"
6. ITAAC 2.2.04.05a.iii Completion Package
7. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.2.4-1

ITAAC COMPLIANCE MATRIX FOR SEISMIC CATEGORY I EQUIPMENT
(STEAM GENERATOR SYSTEM)

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Main Steam Safety Valve SG01	SGS-PL-V030A	Yes	XXX
Main Steam Safety Valve SG02	SGS-PL-V030B	Yes	XXX
Main Steam Safety Valve SG01	SGS-PL-V031A	Yes	XXX
Main Steam Safety Valve SG02	SGS-PL-V031B	Yes	XXX
Main Steam Safety Valve SG01	SGS-PL-V032A	Yes	XXX
Main Steam Safety Valve SG02	SGS-PL-V032B	Yes	XXX
Main Steam Safety Valve SG01	SGS-PL-V033A	Yes	XXX
Main Steam Safety Valve SG02	SGS-PL-V033B	Yes	XXX
Main Steam Safety Valve SG01	SGS-PL-V034A	Yes	XXX
Main Steam Safety Valve SG02	SGS-PL-V034B	Yes	XXX
Main Steam Safety Valve SG01	SGS-PL-V035A	Yes	XXX
Main Steam Safety Valve SG02	SGS-PL-V035B	Yes	XXX
Power-operated Relief Valve Block Motor-operated Valve Steam Generator 01	SGS-PL-V027A	Yes	XXX
Power-operated Relief Valve Block Motor-operated Valve Steam Generator 02	SGS-PL-V027B	Yes	XXX
Steam Line Condensate Drain Isolation Valve	SGS-PL-V036A	Yes	XXX
Steam Line Condensate Drain Isolation Valve	SGS-PL-V036B	Yes	XXX
Main Steam Line Isolation Valve	SGS-PL-V040A	Yes	XXX
Main Steam Line Isolation Valve	SGS-PL-V040B	Yes	XXX
Steam Line Condensate Drain Control Valve	SGS-PL-V086A	Yes	XXX
Steam Line Condensate Drain Control Valve	SGS-PL-V086B	Yes	XXX
Main Feedwater Isolation Valve	SGS-PL-V057A	Yes	XXX
Main Feedwater Isolation	SGS-PL-V057B	Yes	XXX

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Valve			
Startup Feedwater Isolation Motor-operated Valve	SGS-PL-V067A	Yes	XXX
Startup Feedwater Isolation Motor-operated Valve	SGS-PL-V067B	Yes	XXX
Steam Generator Blowdown Isolation Valve	SGS-PL-V074A	Yes	XXX
Steam Generator Blowdown Isolation Valve	SGS-PL-V074B	Yes	XXX
Steam Generator Blowdown Isolation Valve	SGS-PL-V075A	Yes	XXX
Steam Generator Blowdown Isolation Valve	SGS-PL-V075B	Yes	XXX
Power-operated Relief Valve	SGS-PL-V233A	Yes	XXX
Power-operated Relief Valve	SGS-PL-V233B	Yes	XXX
Main Steam Isolation Valve Bypass Isolation	SGS-PL-V240A	Yes	XXX
Main Steam Isolation Valve Bypass Isolation	SGS-PL-V240B	Yes	XXX
Main Feedwater Control Valve	SGS-PL-V250A	Yes	XXX
Main Feedwater Control Valve	SGS-PL-V250B	Yes	XXX
Startup Feedwater Control Valve	SGS-PL-V255A	Yes	XXX
Startup Feedwater Control Valve	SGS-PL-V255B	Yes	XXX
Steam Generator 1 Narrow Range Level Sensor	SGS-001	Yes	XXX
Steam Generator 1 Narrow Range Level Sensor	SGS-002	Yes	XXX
Steam Generator 1 Narrow Range Level Sensor	SGS-003	Yes	XXX
Steam Generator 1 Narrow Range Level Sensor	SGS-004	Yes	XXX
Steam Generator 2 Narrow Range Level Sensor	SGS-005	Yes	XXX
Steam Generator 2 Narrow Range Level Sensor	SGS-006	Yes	XXX
Steam Generator 2 Narrow Range Level Sensor	SGS-007	Yes	XXX
Steam Generator 2 Narrow Range Level Sensor	SGS-008	Yes	XXX
Steam Generator 1 Wide Range Level Sensor	SGS-011	Yes	XXX
Steam Generator 1 Wide Range Level Sensor	SGS-012	Yes	XXX
Steam Generator 2 Wide Range Level Sensor	SGS-013	Yes	XXX
Steam Generator 2 Wide Range Level Sensor	SGS-014	Yes	XXX
Steam Generator 1 Wide	SGS-015	Yes	XXX

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Range Level Sensor			
Steam Generator 1 Wide Range Level Sensor	SGS-016	Yes	XXX
Steam Generator 2 Wide Range Level Sensor	SGS-017	Yes	XXX
Steam Generator 2 Wide Range Level Sensor	SGS-018	Yes	XXX
Main Steam Line Steam Generator 1 Pressure Sensor	SGS-030	Yes	XXX
Main Steam Line Steam Generator 1 Pressure Sensor	SGS-031	Yes	XXX
Main Steam Line Steam Generator 1 Pressure Sensor	SGS-032	Yes	XXX
Main Steam Line Steam Generator 1 Pressure Sensor	SGS-033	Yes	XXX
Main Steam Line Steam Generator 2 Pressure Sensor	SGS-034	Yes	XXX
Main Steam Line Steam Generator 2 Pressure Sensor	SGS-035	Yes	XXX
Main Steam Line Steam Generator 2 Pressure Sensor	SGS-036	Yes	XXX
Main Steam Line Steam Generator 2 Pressure Sensor	SGS-037	Yes	XXX
Steam Generator 1 Startup Feedwater Flow Sensor	SGS-55A	Yes	XXX
Steam Generator 1 Startup Feedwater Flow Sensor	SGS-55B	Yes	XXX
Steam Generator 2 Startup Feedwater Flow Sensor	SGS-56A	Yes	XXX
Steam Generator 2 Startup Feedwater Flow Sensor	SGS-56B	Yes	XXX

Subject: Uncompleted ITAAC 2.2.04.12a.ii [Index No. 249]

ITAAC Statement

Design Commitment

12.a) *The motor-operated valves identified in Table 2.2.4-1 perform an active safety-related function to change position as indicated in the table.*

Inspections/Tests/Analyses

ii) *Inspection will be performed for the existence of a report verifying that the as-built motor-operated valves are bounded by the tests or type tests.*

Acceptance Criteria

ii) *A report exists and concludes that the as-built motor-operated valves are bounded by the tests or type tests.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the motor-operated valves identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.2.4-1 (Attachment A) perform an active safety-related function to change position as indicated in the table. The subject ITAAC requires that an inspection is performed for the existence of a report verifying that the as-built motor-operated valves are bounded by the tests or type tests.

The motor-operated valves in VEGP Unit 3 COL Appendix C Table 2.2.4-1 are verified by the tests or type tests in accordance with ITAAC 2.2.04.12a.i (Reference 1) to demonstrate the capability of the motor-operated valves to operate under their design conditions. Equipment Qualification Data Packages (EQDP) and Equipment Qualification Summary Reports (EQSR) identify the equipment mounting employed for the testing and the specific conditions tested.

In accordance with Equipment Qualification (EQ) Walkdown Inspection Procedure XYZ (Reference 2) an inspection is conducted of the Steam Generator System (SGS) to confirm the satisfactory installation of the motor-operated valves. The inspection includes verification of equipment make/model/serial number, verification of equipment mounting and location, and verification that the mechanical and electrical connections are bounded by the tested conditions.

The documentation of installed configuration of the motor-operated valves includes photographs and/or sketches of equipment mounting and connections. The verification of installed component configuration is documented in the EQ As-Built Reconciliation Report(s) (Reference 3).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the motor-operated valves identified in VEGP Unit 3 COL Appendix C Table 2.2.4-1 is bounded by the tests or type tests. The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC Completion Package (Reference 4).

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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.2.04.12a.i
2. EQ Walkdown Inspection Procedure XYZ
3. EQ As-Built Reconciliation Report(s) as identified in Attachment A
4. ITAAC 2.2.04.12a.ii Completion Package
5. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.2.4-1

MOTOR-OPERATED VALVES
(STEAM GENERATOR SYSTEM)

Equipment Name	Tag No.	Active Function	EQ As-Built Reconciliation Report(s)
Power-operated Relief Valve Block Motor-operated Valve Steam Generator 02	SGS-PL-V027B	Transfer Closed	XXX
Startup Feedwater Isolation Motor-operated Valve	SGS-PL-V067A	Transfer Closed	XXX
Startup Feedwater Isolation Motor-operated Valve	SGS-PL-V067B	Transfer Closed	XXX
Power-operated Relief Valve Block Motor-operated Valve Steam Generator 01	SGS-PL-V027A	Transfer Closed	XXX

Subject: Uncompleted ITAAC 2.3.02.05.iii [Index No. 293]

ITAAC Statement

Design Commitment

5. *The seismic Category I equipment identified in Table 2.3.2-1 can withstand seismic design basis loads without loss of safety function.*

Inspections/Tests/Analyses

- iii) *Inspection will be performed for the existence of a report verifying that the as-built equipment including anchorage is seismically bounded by the tested or analyzed conditions.*

Acceptance Criteria

- iii) *A report exists and concludes that the as-built equipment including anchorage is seismically bounded by the tested or analyzed conditions.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the seismic Category I equipment identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.3.2-1 (Attachment A) can withstand seismic design basis loads without loss of safety function. The subject ITAAC requires that an inspection is performed for the existence of a report verifying that the as-built equipment including anchorage are seismically bounded by the tested or analyzed conditions.

Seismic qualification of the equipment in VEGP Unit 3 COL Appendix C Table 2.3.2-1 is verified by type tests, analyses, or a combination of type tests and analyses in accordance with ITAAC 2.3.02.05.ii (Reference 1). As part of the seismic qualification program, consideration is given to the definition of clearances needed around the equipment mounted in the plant to permit the equipment to move during a postulated seismic event without causing impact between adjacent pieces of safety-related equipment or between safety-related equipment and adjacent non-safety related structures or components. This is done as part of seismic testing by measuring the maximum dynamic relative displacement of the top and bottom of the equipment. Justification is provided that the equipment will not impact adjacent equipment or structures as part of the Equipment Qualification (EQ) As-Built Reconciliation Report (Reference 2) based on the walkdown inspection.

The qualification reports of the equipment identify the equipment mounting employed for qualification and establish interface requirements for assuring that subsequent in-plant installation does not degrade the established qualification. Interface requirements are defined based on the test configuration and other design requirements.

In accordance with EQ Walkdown Inspection Procedure XYZ (Reference 3), an inspection is conducted of the Chemical and Volume Control System (CVS) to confirm the satisfactory installation of the seismically qualified equipment. The inspection includes verification of equipment make/model/serial number; verification of as-built equipment mounting orientation, anchorage and clearances; and verification of electrical and other interfaces.

The documentation of installed configuration of seismically qualified equipment includes photographs and/or sketches of equipment/mounting/interfaces. The verification of installed equipment configuration is documented in the EQ As-Built Reconciliation Report(s).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the Seismic Category I equipment identified in VEGP Unit 3 COL Appendix C Table 2.3.2-1, including anchorage, is seismically bounded by the tested or analyzed conditions and IEEE Standard 344-1987 (Reference 4) and NRC Regulatory Guide 1.100, Rev. 2 (Reference 5). The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC Completion Package (Reference 6).

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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.3.02.05.ii
2. EQ As-Built Reconciliation Report(s) as identified in Attachment A
3. EQ Walkdown Inspection Procedure XYZ
4. IEEE Standard 344-1987, "Recommended Practices for Seismic Qualification of Class 1E Equipment for Nuclear Power Generating Stations"
5. Regulatory Guide 1.100, Rev. 2, "Seismic Qualification of Electric and Mechanical Equipment for Nuclear Power Plants"
6. ITAAC 2.3.02.05.iii Completion Package
7. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.3.2-1

ITAAC COMPLIANCE FOR SEISMIC CATEGORY I EQUIPMENT
(CHEMICAL AND VOLUME CONTROL SYSTEM)

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
RCS Purification Motor-operated Isolation Valve	CVS-PL-V001	Yes	XXX
RCS Purification Motor-operated Isolation Valve	CVS-PL-V002	Yes	XXX
RCS Purification Motor-operated Isolation Valve	CVS-PL-V003	Yes	XXX
CVS Resin Flush Line Containment Isolation Valve	CVS-PL-V040	Yes	XXX
CVS Resin Flush Line Containment Isolation Valve	CVS-PL-V041	Yes	XXX
CVS Demineralizer Resin Flush Line Containment Isolation Thermal Relief Valve	CVS-PL-V042	Yes	XXX
CVS Letdown Containment Isolation Valve	CVS-PL-V045	Yes	XXX
CVS Letdown Containment Isolation Valve	CVS-PL-V047	Yes	XXX
CVS Letdown Line Containment Isolation Thermal Relief Valve	CVS-PL-V058	Yes	XXX
CVS Makeup Return Line Bypass Check Valve	CVS-PL-V067	Yes	XXX
CVS Purification Return Line Pressure Boundary Check Valve	CVS-PL-V080	Yes	XXX
CVS Purification Return Line Pressure Boundary Isolation Check Valve	CVS-PL-V081	Yes	XXX
CVS Purification Return Line Pressure Boundary Check Valve	CVS-PL-V082	Yes	XXX
CVS Auxiliary Pressurizer Spray Line Pressure Boundary Valve	CVS-PL-V084	Yes	XXX
CVS Auxiliary Pressurizer Spray Line Pressure Boundary Check Valve	CVS-PL-V085	Yes	XXX
CVS Makeup Line Containment Isolation Motor-operated Valve	CVS-PL-V090	Yes	XXX
CVS Makeup Line Containment Isolation Motor-operated Valve	CVS-PL-V091	Yes	XXX
CVS Zinc Injection Containment Isolation Valve ORC	CVS-PL-V092	Yes	XXX

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
CVS Zinc Injection Containment Isolation Valve IRC	CVS-PL-V094	Yes	XXX
CVS Zinc Addition Line Ctmt Isol Thermal Relief Valve	CVS-PL-V098	Yes	XXX
CVS Makeup Line Containment Isolation Thermal Relief Valve	CVS-PL-V100	Yes	XXX
CVS Demineralized Water Isolation Valve	CVS-PL-V136A	Yes	XXX
CVS Demineralized Water Isolation Valve	CVS-PL-V136B	Yes	XXX
CVS Hydrogen Injection Containment Isolation Check Valve IRC	CVS-PL-V217	Yes	XXX
CVS Hydrogen Injection Containment Isolation Valve ORC	CVS-PL-V219	Yes	XXX

Subject: Uncompleted ITAAC 2.3.02.06a.ii [Index No. 295]

ITAAC Statement

Design Commitment

- 6.a) *The Class 1E equipment identified in Table 2.3.2-1 as being qualified for a harsh environment can withstand the environmental conditions that would exist before, during, and following a design basis accident without loss of safety function for the time required to perform the safety function.*

Inspections/Tests/Analyses

- ii) *Inspection will be performed of the as-built Class 1E equipment and the associated wiring, cables, and terminations located in a harsh environment.*

Acceptance Criteria

- ii) *A report exists and concludes that the as-built Class 1E equipment and the associated wiring, cables, and terminations identified in Table 2.3.2-1 as being qualified for a harsh environment are bounded by type tests, analyses, or a combination of type tests and analyses.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the Class 1E equipment identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.3.2-1 (Attachment A) as being qualified for a harsh environment can withstand the environmental conditions that would exist before, during, and following a design basis accident without loss of safety function for the time required to perform the safety function. The subject ITAAC requires inspection of the as-built Class 1E equipment and the associated wiring, cables, and terminations located in a harsh environment.

Harsh environment qualification of the components in VEGP Unit 3 COL Appendix C Table 2.3.2-1 is verified by type tests, analyses or a combination of type tests and analyses in accordance with ITAAC 2.3.02.06a.i (Reference 1). Equipment Qualification Data Packages (EQDP) and Equipment Qualification Summary Reports (EQSR) identify the equipment mounting employed for qualification and the environmental conditions tested or analyzed.

In accordance with Equipment Qualification (EQ) Walkdown Inspection Procedure XYZ (Reference 2), an inspection is conducted of the Chemical and Volume Control System (CVS) to confirm the satisfactory installation of the Class 1E components. The inspection includes verification of equipment make/model/serial number; verification of the equipment mounting, wiring, cables, and terminations; and verification of equipment location to confirm that the harsh environmental conditions for the room in which the component is mounted are bounded by the tested or analyzed conditions.

The documentation of installed configuration of harsh environment qualified components includes photographs and/or sketches of equipment mounting and connections. The verification of installed component configuration is documented in the EQ As-Built Reconciliation Report(s) (Reference 3).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the Class 1E equipment identified in VEGP Unit 3 COL Appendix C Table 2.3.2-1 including the associated wiring, cables, and terminations are bounded by the qualified configuration and IEEE Standard 323-1974 (Reference 4). The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC 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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.3.02.06a.i
2. EQ Walkdown Inspection Procedure XYZ
3. EQ As-Built Reconciliation Report(s) as identified in Attachment A
4. IEEE Standard 323-1974, "IEEE Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations"
5. ITAAC 2.3.02.06a.ii Completion Package
6. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.3.2-1

ITAAC COMPLIANCE MATRIX FOR HARSH ENVIRONMENT
QUALIFIED EQUIPMENT
(CHEMICAL AND VOLUME CONTROL SYSTEM)

Equipment Name	Tag No.	Class 1E/Qual. For Harsh Envir.	EQ As-Built Reconciliation(s)
RCS Purification Motor-operated Isolation Valve	CVS-PL-V001	Yes/Yes	XXX
RCS Purification Motor-operated Isolation Valve	CVS-PL-V002	Yes/Yes	XXX
RCS Purification Motor-operated Isolation Valve	CVS-PL-V003	Yes/Yes	XXX
CVS Letdown Containment Isolation Valve	CVS-PL-V045	Yes/Yes	XXX
CVS Auxiliary Pressurizer Spray Line Pressure Boundary Valve	CVS-PL-V084	Yes/Yes	XXX
CVS Makeup Line Containment Isolation Motor-operated Valve	CVS-PL-V091	Yes/Yes	XXX
CVS Zinc Injection Containment Isolation Valve ORC	CVS-PL-V092	Yes/Yes	XXX
CVS Zinc Injection Containment Isolation Valve IRC	CVS-PL-V094	Yes/Yes	XXX
CVS Hydrogen Injection Containment Isolation Valve ORC	CVS-PL-V219	Yes/Yes	XXX

Subject: Uncompleted ITAAC 2.3.02.11a.ii [Index No. 310]

ITAAC Statement

Design Commitment

- 11.a) *The motor-operated and check valves identified in Table 2.3.2-1 perform an active safety-related function to change position as indicated in the table.*

Inspections/Tests/Analyses

- ii) *Inspection will be performed for the existence of a report verifying that the as-built motor-operated valves are bounded by the tested conditions.*

Acceptance Criteria

- ii) *A report exists and concludes that the as-built motor-operated valves are bounded by the tests or type tests.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the motor-operated valves identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.3.2-1 (Attachment A) perform an active safety-related function to change position as indicated in the table. The subject ITAAC requires that an inspection is performed for the existence of a report verifying that the as-built motor-operated valves are bounded by the tested conditions.

The motor-operated valves in VEGP Unit 3 COL Appendix C Table 2.3.2-1 are verified by the tests or type tests in accordance with ITAAC 2.3.02.11a.i (Reference 1) to demonstrate the capability of the valves to operate under their design conditions. Equipment Qualification Data Packages (EQDP) and Equipment Qualification Summary Reports (EQSR) identify the equipment mounting employed for the testing and the specific conditions tested.

In accordance with Equipment Qualification (EQ) Walkdown Inspection Procedure XYZ (Reference 2) an inspection is conducted of the Chemical Volume and Control System (CVS) to confirm the satisfactory installation of the motor-operated valves. The inspection includes verification of equipment make/model/serial number, verification of equipment mounting and location, and verification that the mechanical and electrical connections are bounded by the tested conditions.

The documentation of installed configuration of the motor-operated valves includes photographs and/or sketches of equipment mounting and connections. The verification of installed component configuration is documented in the EQ As-Built Reconciliation Report(s) (Reference 3).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the motor-operated valves identified in VEGP Unit 3 COL Appendix C Table 2.3.2-1 is bounded by the tests or type tests. The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC Completion Package (Reference 4).

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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.3.02.11a.i
2. EQ Walkdown Inspection Procedure XYZ
3. EQ As-Built Reconciliation Report(s) as identified in Attachment A
4. ITAAC 2.3.02.11a.ii Completion Package
5. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.3.2-1

MOTOR-OPERATED VALVES
(CHEMICAL VOLUME AND CONTROL SYSTEM)

Equipment Name	Tag No.	Active Function	EQ As-Built Reconciliation Report(s)
RCS Purification Motor operated Isolation Valve	CVS-PL-V001	Transfer Closed	XXX
RCS Purification Motor operated Isolation Valve	CVS-PL-V002	Transfer Closed	XXX
RCS Purification Motor operated Isolation Valve	CVS-PL-V003	Transfer Closed	XXX
CVS Makeup Line Containment Isolation Motor-operated Valve	CVS-PL-V090	Transfer Closed	XXX
CVS Makeup Line Containment Isolation Motor-operated Valve	CVS-PL-V091	Transfer Closed	XXX

Subject: Uncompleted ITAAC 2.3.06.05a.iii [Index No. 363]

ITAAC Statement

Design Commitment

- 5.a) *The seismic Category I equipment identified in Table 2.3.6-1 can withstand seismic design basis loads without loss of safety function.*

Inspections/Tests/Analyses

- iii) *Inspection will be performed for the existence of a report verifying that the as-built equipment including anchorage is seismically bounded by the tested or analyzed conditions.*

Acceptance Criteria

- iii) *A report exists and concludes that the as-built equipment including anchorage is seismically bounded by the tested or analyzed conditions.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the seismic Category I equipment identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.3.6-1 (Attachment A) can withstand seismic design basis loads without loss of safety function. The subject ITAAC requires that an inspection is performed for the existence of a report verifying that the as-built equipment including anchorage are seismically bounded by the tested or analyzed conditions.

Seismic qualification of the equipment in VEGP Unit 3 COL Appendix C Table 2.3.6-1 is verified by type tests, analyses, or a combination of type tests and analyses in accordance with ITAAC 2.3.06.05a.ii (Reference 1). As part of the seismic qualification program, consideration is given to the definition of clearances needed around the equipment mounted in the plant to permit the equipment to move during a postulated seismic event without causing impact between adjacent pieces of safety-related equipment or between safety-related equipment and adjacent non-safety related structures or components. This is done as part of seismic testing by measuring the maximum dynamic relative displacement of the top and bottom of the equipment. Justification is provided that the equipment will not impact adjacent equipment or structures as part of the Equipment Qualification (EQ) As-Built Reconciliation Report (Reference 2) based on the walkdown inspection.

The qualification reports of the equipment identify the equipment mounting employed for qualification and establish interface requirements for assuring that subsequent in-plant installation does not degrade the established qualification. Interface requirements are defined based on the test configuration and other design requirements.

In accordance with EQ Walkdown Inspection Procedure XYZ (Reference 3), an inspection is conducted of the Normal Residual Heat Removal System (RNS) to confirm the satisfactory installation of the seismically qualified equipment. The inspection includes verification of equipment make/model/serial number; verification of as-built equipment mounting orientation, anchorage and clearances; and verification of electrical and other interfaces.

The documentation of installed configuration of seismically qualified equipment includes photographs and/or sketches of equipment/mounting/interfaces. The verification of installed equipment configuration is documented in the EQ As-Built Reconciliation Report(s).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the Seismic Category I equipment identified in VEGP Unit 3 COL Appendix C Table 2.3.6-1, including anchorage, is seismically bounded by the tested or analyzed conditions and IEEE Standard 344-1987 (Reference 4) and NRC Regulatory Guide 1.100, Rev. 2 (Reference 5). The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC Completion Package (Reference 6).

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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.3.06.05a.ii
2. EQ As-Built Reconciliation Report(s) as identified in Attachment A
3. EQ Walkdown Inspection Procedure XYZ
4. IEEE Standard 344-1987, "Recommended Practices for Seismic Qualification of Class 1E Equipment for Nuclear Power Generating Stations"
5. Regulatory Guide 1.100, Rev. 2, "Seismic Qualification of Electric and Mechanical Equipment for Nuclear Power Plants"
6. ITAAC 2.3.06.05a.iii Completion Package
7. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.3.6-1

ITAAC COMPLIANCE MATRIX FOR SEISMIC CATEGORY I EQUIPMENT
(NORMAL RESIDUAL HEAT REMOVAL SYSTEM)

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
RNS Pump A (Pressure Boundary)	RNS-MP-01A	Yes	XXX
RNS Pump B (Pressure Boundary)	RNS-MP-01B	Yes	XXX
RNS Heat Exchanger A (Tube Side)	RNS-ME-01A	Yes	XXX
RNS Heat Exchanger B (Tube Side)	RNS-ME-01B	Yes	XXX
RCS Inner Hot Leg Suction Motor-operated Isolation Valve	RNS-PL-V001A	Yes	XXX
RCS Inner Hot Leg Suction Motor-operated Isolation Valve	RNS-PL-V001B	Yes	XXX
RCS Outer Hot Leg Suction Motor-operated Isolation Valve	RNS-PL-V002A	Yes	XXX
RCS Outer Hot Leg Suction Motor-operated Isolation Valve	RNS-PL-V002B	Yes	XXX
RCS Pressure Boundary Thermal Relief Check Valve	RNS-PL-V003A	Yes	XXX
RCS Pressure Boundary Thermal Relief Check Valve	RNS-PL-V003B	Yes	XXX
RNS Discharge Motor-operated Containment Isolation Valve	RNS-PL-V011	Yes	XXX
RNS Discharge Containment Isolation Test Connection	RNS-PL-V012	Yes	XXX
RNS Discharge Header Containment Isolation Check Valve	RNS-PL-V013	Yes	XXX
RNS Discharge RCS Pressure Boundary Check Valve	RNS-PL-V015A	Yes	XXX
RNS Discharge RCS Pressure Boundary Check Valve	RNS-PL-V015B	Yes	XXX
RNS Discharge RCS Pressure Boundary Check Valve	RNS-PL-V017A	Yes	XXX
RNS Discharge RCS Pressure Boundary Check Valve	RNS-PL-V017B	Yes	XXX
RNS Hot Leg Suction	RNS-PL-V021	Yes	XXX

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Pressure Relief Valve			
RNS Suction Header Motor-operated Containment Isolation Valve	RNS-PL-V022	Yes	XXX
RNS Suction from IRWST Motor-operated Isolation Valve	RNS-PL-V023	Yes	XXX
RNS Discharge to IRWST Motor-operated Isolation Valve	RNS-PL-V024	Yes	XXX
RNS Pump Discharge Relief	RNS-PL-V045	Yes	XXX
RNS Suction from Cask Loading Pit Motor-operated Isolation Valve	RNS-PL-V055	Yes	XXX
RNS Suction from Cask Loading Pit Check Valve	RNS-PL-V056	Yes	XXX
RNS Pump Miniflow Air-Operated Isolation Valve	RNS-PL-V057A	Yes	XXX
RNS Pump Miniflow Air-Operated Isolation Valve	RNS-PL-V057B	Yes	XXX
RNS Return from Chemical and Volume Control System (CVS) Containment Isolation Valve	RNS-PL-V061	Yes	XXX

Subject: Uncompleted ITAAC 2.3.06.07a.ii [Index No. 367]

ITAAC Statement

Design Commitment

- 7.a) *The Class 1E equipment identified in Table 2.3.6-1 as being qualified for a harsh environment can withstand the environmental conditions that would exist before, during, and following a design basis accident without loss of safety function for the time required to perform the safety function.*

Inspections/Tests/Analyses

- ii) *Inspection will be performed of the as-built Class 1E equipment and the associated wiring, cables, and terminations located in a harsh environment.*

Acceptance Criteria

- ii) *A report exists and concludes that the as-built Class 1E equipment and the associated wiring, cables, and terminations identified in Table 2.3.6-1 as being qualified for a harsh environment are bounded by type tests, analyses, or a combination of type tests and analyses.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the Class 1E equipment identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.3.6-1 (Attachment A) as being qualified for a harsh environment can withstand the environmental conditions that would exist before, during, and following a design basis accident without loss of safety function for the time required to perform the safety function. The subject ITAAC requires inspection of the as-built Class 1E equipment and the associated wiring, cables, and terminations located in a harsh environment.

Harsh environment qualification of the components in VEGP Unit 3 COL Appendix C Table 2.3.6-1 is verified by type tests, analyses or a combination of type tests and analyses in accordance with ITAAC 2.3.06.07a.i (Reference 1). Equipment Qualification Data Packages (EQDP) and Equipment Qualification Summary Reports (EQSR) identify the equipment mounting employed for qualification and the environmental conditions tested or analyzed.

In accordance with Equipment Qualification (EQ) Walkdown Inspection Procedure XYZ (Reference 2), an inspection is conducted of the Normal Residual Heat Removal System (RNS) to confirm the satisfactory installation of the Class 1E components. The inspection includes verification of equipment make/model/serial number; verification of the equipment mounting, wiring, cables, and terminations; and verification of equipment location to confirm that the harsh environmental conditions for the room in which the component is mounted are bounded by the tested or analyzed conditions.

The documentation of installed configuration of harsh environment qualified components includes photographs and/or sketches of equipment mounting and connections. The verification of installed component configuration is documented in the EQ As-Built Reconciliation Report(s) (Reference 3).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the Class 1E equipment identified in VEGP Unit 3 COL Appendix C Table 2.3.6-1 including the associated wiring, cables, and terminations are bounded by the qualified configuration and IEEE Standard 323-1974 (Reference 4). The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC 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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.3.06.07a.i
2. EQ Walkdown Inspection Procedure XYZ
3. EQ As-Built Reconciliation Report(s) as identified in Attachment A
4. IEEE Standard 323-1974, "IEEE Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations"
5. ITAAC 2.3.06.07a.ii Completion Package
6. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.3.6-1

ITAAC COMPLIANCE MATRIX FOR HARSH ENVIRONMENT
QUALIFIED EQUIPMENT
(NORMAL RESIDUAL HEAT REMOVAL SYSTEM)

Equipment Name	Tag No.	Class 1E/Qual. For Harsh Envir.	EQ As-Built Reconciliation Report(s)
RCS Inner Hot Leg Suction Motor-operated Isolation Valve	RNS-PL-V001A	Yes/Yes	XXX
RCS Inner Hot Leg Suction Motor-operated Isolation Valve	RNS-PL-V001B	Yes/Yes	XXX
RCS Outer Hot Leg Suction Motor-operated Isolation Valve	RNS-PL-V002A	Yes/Yes	XXX
RCS Outer Hot Leg Suction Motor-operated Isolation Valve	RNS-PL-V002B	Yes/Yes	XXX
RNS Suction from IRWST Motor-operated Isolation Valve	RNS-PL-V023	Yes/Yes	XXX
RNS Return from Chemical and Volume Control System (CVS) Containment Isolation Valve	RNS-PL-V061	Yes/Yes	XXX

Subject: Uncompleted ITAAC 2.3.06.12a.ii [Index No. 385]

ITAAC Statement

Design Commitment

- 12.a) *The motor-operated and check valves identified in Table 2.3.6-1 perform an active safety-related function to change position as indicated in the table.*

Inspections/Tests/Analyses

- ii) *Inspection will be performed for the existence of a report verifying that the as-built motor-operated valves are bounded by the tested conditions.*

Acceptance Criteria

- ii) *A report exists and concludes that the as-built motor-operated valves are bounded by the tested conditions.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the motor-operated valves identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.3.6-1 (Attachment A) perform an active safety-related function to change position as indicated in the table. The subject ITAAC requires that an inspection is performed for the existence of a report verifying that the as-built motor-operated valves are bounded by tested conditions.

The motor-operated valves in VEGP Unit 3 COL Appendix C Table 2.3.6-1 are verified by the tests or type tests in accordance with ITAAC 2.3.06.12a.i (Reference 1) to demonstrate the capability of the valves to operate under their design conditions. Equipment Qualification Data Packages (EQDP) and Equipment Qualification Summary Reports (EQSR) identify the equipment mounting employed for the testing and the specific conditions tested.

In accordance with Equipment Qualification (EQ) Walkdown Inspection Procedure XYZ (Reference 2) an inspection is conducted of the Normal Residual Heat Removal System (RNS) to confirm the satisfactory installation of the motor-operated valves. The inspection includes verification of equipment make/model/serial number, verification of as-designed equipment mounting and location, and verification that the mechanical and electrical connections are bounded by the tested conditions.

The documentation of installed configuration of the motor-operated valves includes photographs and/or sketches of equipment mounting and connections. The verification of installed component configuration is documented in the EQ As-Built Reconciliation Report(s) (Reference 3).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the motor-operated valves identified in VEGP Unit 3 COL Appendix C Table 2.3.6-1 is bounded by the tests or type tests. The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC Completion Package (Reference 4).

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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.3.06.12a.i
2. EQ Walkdown Inspection Procedure XYZ
3. EQ As-Built Reconciliation Report(s) as identified in Attachment A
4. ITAAC 2.3.06.12a.ii Completion Package
5. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.3.6-1

MOTOR-OPERATED VALVES
(NORMAL RESIDUAL HEAT REMOVAL SYSTEM)

Equipment Name	Tag No.	Active Function	EQ As-Built Reconciliation Report(s)
RCS Inner Hot Leg Suction Motor-operated Isolation Valve	RNS-PL-V001A	Transfer Closed	XXX
RCS Inner Hot Leg Suction Motor-operated Isolation Valve	RNS-PL-V001B	Transfer Closed	XXX
RCS Outer Hot Leg Suction Motor-operated Isolation Valve	RNS-PL-V002A	Transfer Closed	XXX
RCS Outer Hot Leg Suction Motor-operated Isolation Valve	RNS-PL-V002B	Transfer Closed	XXX
RNS Discharge Motor-operated Containment Isolation Valve	RNS-PL-V011	Transfer Closed	XXX
RNS Suction Header Motor-operated Containment Isolation Valve	RNS-PL-V022	Transfer Closed	XXX
RNS Suction from IRWST Motor-operated Isolation Valve	RNS-PL-V023	Transfer Closed	XXX

Subject: Uncompleted ITAAC 2.3.07.05.iii [Index No. 398]

ITAAC Statement

Design Commitment

5. *The seismic Category I components identified in Table 2.3.7-1 can withstand seismic design basis loads without loss of safety functions.*

Inspections/Tests/Analyses

- iii) *Inspection will be performed for the existence of a report verifying that the as-built equipment including anchorage is seismically bounded by the tested or analyzed conditions.*

Acceptance Criteria

- iii) *A report exists and concludes that the as-built equipment including anchorage is seismically bounded by the tested or analyzed conditions.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the seismic Category I equipment identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.3.7-1 (Attachment A) can withstand seismic design basis loads without loss of safety function. The subject ITAAC requires that an inspection is performed for the existence of a report verifying that the as-built equipment including anchorage are seismically bounded by the tested or analyzed conditions.

Seismic qualification of the equipment in VEGP Unit 3 COL Appendix C Table 2.3.7-1 is verified by type tests, analyses, or a combination of type tests and analyses in accordance with ITAAC 2.3.07.05.ii (Reference 1). As part of the seismic qualification program, consideration is given to the definition of clearances needed around the equipment mounted in the plant to permit the equipment to move during a postulated seismic event without causing impact between adjacent pieces of safety-related equipment or between safety-related equipment and adjacent non-safety related structures or components. This is done as part of seismic testing by measuring the maximum dynamic relative displacement of the top and bottom of the equipment. Justification is provided that the equipment will not impact adjacent equipment or structures as part of the Equipment Qualification (EQ) As-Built Reconciliation Report (Reference 2) based on the walkdown inspection.

The qualification reports of the equipment identify the equipment mounting employed for qualification and establish interface requirements for assuring that subsequent in-plant installation does not degrade the established qualification. Interface requirements are defined based on the test configuration and other design requirements.

In accordance with EQ Walkdown Inspection Procedure XYZ (Reference 3), an inspection is conducted of the Spent Fuel Pool Cooling System (SFS) to confirm the satisfactory installation

of the seismically qualified equipment. The inspection includes verification of equipment make/model/serial number; verification of as-built equipment mounting orientation, anchorage and clearances; and verification of electrical and other interfaces.

The documentation of installed configuration of seismically qualified equipment includes photographs and/or sketches of equipment/mounting/interfaces. The verification of installed equipment configuration is documented in the EQ As-Built Reconciliation Report(s).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the Seismic Category I equipment identified in VEGP Unit 3 COL Appendix C Table 2.3.7-1, including anchorage, is seismically bounded by the tested or analyzed conditions and IEEE Standard 344-1987 (Reference 4) and NRC Regulatory Guide 1.100, Rev. 2 (Reference 5). The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC Completion Package (Reference 6).

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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.3.07.05.ii
2. EQ As-Built Reconciliation Report(s) as identified in Attachment A
3. EQ Walkdown Inspection Procedure XYZ
4. IEEE Standard 344-1987, "Recommended Practices for Seismic Qualification of Class 1E Equipment for Nuclear Power Generating Stations"
5. Regulatory Guide 1.100, Rev. 2, "Seismic Qualification of Electric and Mechanical Equipment for Nuclear Power Plants"
6. ITAAC 2.3.07.05.iii Completion Package
7. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.3.7-1

ITAAC COMPLIANCE MATRIX FOR SEISMIC CATEGORY I EQUIPMENT
(SPENT FUEL POOL COOLING SYSTEM)

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
Spent Fuel Pool Level Sensor	SFS-019A	Yes	XXX
Spent Fuel Pool Level Sensor	SFS-019B	Yes	XXX
Spent Fuel Pool Level Sensor	SFS-019C	Yes	XXX
Refueling Cavity Drain to SGS Compartment Isolation Valve	SFS-PL-V031	Yes	XXX
Refueling Cavity to SFS Pump Suction Isolation Valve	SFS-PL-V032	Yes	XXX
Refueling Cavity Drain to Containment Sump Isolation Valve	SFS-PL-V033	Yes	XXX
IRWST to SFS Pump Suction Line Isolation Valve	SFS-PL-V039	Yes	XXX
Fuel Transfer Canal to SFS Pump Suction Iso. Valve	SFS-PL-V040	Yes	XXX
Cask Loading Pit to SFS Pump Suction Isolation Valve	SFS-PL-V041	Yes	XXX
Cask Loading Pit to SFS Pump Suction Isolation Valve	SFS-PL-V042	Yes	XXX
SFS Pump Discharge Line to Cask Loading Pit Isolation Valve	SFS-PL-V045	Yes	XXX
Cask Loading Pit to WLS Isolation Valve	SFS-PL-V049	Yes	XXX
Spent Fuel Pool to Cask Washdown Pit Isolation Valve	SFS-PL-V066	Yes	XXX
Cask Washdown Pit Drain Isolation Valve	SFS-PL-V068	Yes	XXX
Refueling Cavity Drain Line Check Valve	SFS-PL-V071	Yes	XXX
Refueling Cavity Drain Line Check Valve	SFS-PL-V072	Yes	XXX
SFS Containment Floodup Isolation Valve	SFS-PL-V075	Yes	XXX

Subject: Uncompleted ITAAC 2.3.10.05a.iii [Index No. 439]

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/Analyses

- iii) *Inspection will be performed for the existence of a report verifying that the as-built equipment including anchorage is seismically bounded by the tested or analyzed conditions.*

Acceptance Criteria

- iii) *A report exists and concludes that the as-built equipment including anchorage is seismically bounded by the tested or analyzed conditions.*

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the seismic Category I equipment identified in VEGP Unit 3 Combined License (COL) Appendix C Table 2.3.10-1 (Attachment A) can withstand seismic design basis loads without loss of safety function. The subject ITAAC requires that an inspection is performed for the existence of a report verifying that the as-built equipment including anchorage are seismically bounded by the tested or analyzed conditions.

Seismic qualification of the equipment in VEGP Unit 3 COL Appendix C Table 2.3.10-1 is verified by type tests, analyses, or a combination of type tests and analyses in accordance with ITAAC 2.3.10.05a.ii (Reference 1). As part of the seismic qualification program, consideration is given to the definition of clearances needed around the equipment mounted in the plant to permit the equipment to move during a postulated seismic event without causing impact between adjacent pieces of safety-related equipment or between safety-related equipment and adjacent non-safety related structures or components. This is done as part of seismic testing by measuring the maximum dynamic relative displacement of the top and bottom of the equipment. Justification is provided that the equipment will not impact adjacent equipment or structures as part of the Equipment Qualification (EQ) As-Built Reconciliation Report (Reference 2) based on the walkdown inspection.

The qualification reports of the equipment identify the equipment mounting employed for qualification and establish interface requirements for assuring that subsequent in-plant installation does not degrade the established qualification. Interface requirements are defined based on the test configuration and other design requirements.

In accordance with EQ Walkdown Inspection Procedure XYZ (Reference 3), an inspection is conducted of the Liquid Radwaste System (WLS) to confirm the satisfactory installation of the

seismically qualified equipment. The inspection includes verification of equipment make/model/serial number; verification of as-built equipment mounting orientation, anchorage and clearances; and verification of electrical and other interfaces.

The documentation of installed configuration of seismically qualified equipment includes photographs and/or sketches of equipment/mounting/interfaces. The verification of installed equipment configuration is documented in the EQ As-Built Reconciliation Report(s).

Attachment A identifies the EQ As-Built Reconciliation Report(s) which verify that the installed configuration of the Seismic Category I equipment identified in VEGP Unit 3 COL Appendix C Table 2.3.10-1, including anchorage, is seismically bounded by the tested or analyzed conditions and IEEE Standard 344-1987 (Reference 4) and NRC Regulatory Guide 1.100, Rev. 2 (Reference 5). The EQ As-Built Reconciliation Reports are available for NRC inspection as part of the ITAAC Completion Package (Reference 6).

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. ND-XX-XXXX ITAAC Closure Notification on Completion of ITAAC 2.3.10.05a.ii
2. EQ As-Built Reconciliation Report(s) as identified in Attachment A
3. EQ Walkdown Inspection Procedure XYZ
4. IEEE Standard 344-1987, "Recommended Practices for Seismic Qualification of Class 1E Equipment for Nuclear Power Generating Stations"
5. Regulatory Guide 1.100, Rev. 2, "Seismic Qualification of Electric and Mechanical Equipment for Nuclear Power Plants"
6. ITAAC 2.3.10.05a.iii Completion Package
7. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A: Excerpt from COL Appendix C Table 2.3.10-1

ITAAC COMPLIANCE MATRIX FOR SEISMIC CATEGORY I EQUIPMENT
(LIQUID RADWASTE SYSTEM)

Equipment Name	Tag No.	Seismic Cat. I	EQ As-Built Reconciliation Report(s)
WLS Containment Sump Level Sensor	WLS-034	Yes	XXX
WLS Containment Sump Level Sensor	WLS-035	Yes	XXX
WLS Containment Sump Level Sensor	WLS-036	Yes	XXX
WLS Drain from Passive Core Cooling System (PXS) Compartment A (Room 11206) Check Valve	WLS-PL-V071B	Yes	XXX
WLS Drain from PXS Compartment A (Room 11206) Check Valve	WLS-PL-V072B	Yes	XXX
WLS Drain from PXS Compartment B (Room 11207) Check Valve	WLS-PL-V071C	Yes	XXX
WLS Drain from PXS Compartment B (Room 11207) Check Valve	WLS-PL-V072C	Yes	XXX
WLS Drain from Chemical and Volume Control System (CVS) Compartment (Room 11209) Check Valve	WLS-PL-V071A	Yes	XXX
WLS Drain from CVS Compartment (Room 11209) Check Valve	WLS-PL-V072A	Yes	XXX

Subject: Uncompleted ITAAC 2.3.19.01a [Index No. 484]

ITAAC Statement

Design Commitment

- 1.a) *The EFS has handsets, amplifiers, loudspeakers, and siren tone generators connected as a telephone/page system.*

Inspections/Tests/Analyses

Inspection of the as-built system will be performed.

Acceptance Criteria

The as-built EFS has handsets, amplifiers, loudspeakers, and siren tone generators connected as a telephone/page system.

ITAAC Completion Description

The subject ITAAC requires an inspection of the as-built communication system (EFS) be performed for the existence of handsets, amplifiers, loudspeakers, and siren tone generators that are connected as a telephone/page system. The inspection is completed in accordance with Walkdown Inspection Procedure XYZ (Reference 1), which requires the preparation of a detailed inspection plan, performance of visual observations that compare the as-built system to the design, and documentation of the visual observations. The inspection verifies that the as-built EFS has handsets, amplifiers, loudspeakers, and siren tone generators connected as a telephone/page system, as documented in the Walkdown Inspection Report XXX (Reference 2). This inspection report is available for NRC inspection as part of the ITAAC Completion Package (Reference 3).

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. Walkdown Inspection Procedure XYZ
2. Walkdown Inspection Report XXX
3. ITAAC 2.3.19.01a Completion Package
4. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"