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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3
ITAAC Closure Notification on Completion of ITAAC 2.2.04.12a.iii [Index Number 250]

Ladies and Gentlemen:

In accordance with 10 CFR 52.99(c)(1), the purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) of the completion of Vogtle Electric Generating Plant (VEGP) Unit 3 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 2.2.04.12a.iii [Index Number 250]. This ITAAC confirms that:

- The valves identified in Combined License Appendix C Table 2.2.4-3 close after a signal is generated by the Protection and Safety Monitoring System (PMS).
- Safety-related displays identified in Combined License Appendix C Table 2.2.4-1 (Table 2.2.4-1) can be retrieved in the Main Control Room (MCR).
- Controls in the MCR operate to cause the remotely operated valves identified in Table 2.2.4-1 to perform active safety functions.
- The remotely-operated valves identified in Table 2.2.4-1 as having PMS control perform the active function identified in the table after receiving a signal from the PMS.
- Steam Generator System (SGS) isolation valves SGS-V027A/B, SGS-V040A/B, SGS-V057A/B and SGS-V250A/B close within the times identified in Combined License Appendix C Table 2.2.4-4 after receipt of an actuation signal.
- Each motor-operated valve identified in Table 2.2.4-1 changes position as indicated in Table 2.2.4-1 under preoperational test conditions.
- After loss of motive power, each remotely operated valve identified in Table 2.2.4-1 assumes the indicated loss of motive power position.

The closure process for this ITAAC is based on the guidance described in Nuclear Energy Institute (NEI) 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52," which was endorsed by the NRC in Regulatory Guide 1.215.

This letter contains no new NRC regulatory commitments. Southern Nuclear Operating Company (SNC) requests NRC staff confirmation of this determination and publication of the required notice in the Federal Register per 10 CFR 52.99.

If there are any questions, please contact Kelli Roberts at 706-848-6991.

Respectfully submitted,

Jamie Coleman

Jamie M. Coleman
Regulatory Affairs Director Vogtle 3 & 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC 2.2.04.12a.iii [Index Number 250]

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Southern Nuclear Operating Company
ND-22-0341
Enclosure

Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC 2.2.04.12a.iii [Index Number 250]

ITAAC Statement

Design Commitment

9.a) Components within the main steam system, main and startup feedwater system, and the main turbine system identified in Table 2.2.4-3 provide backup isolation of the SGS to limit steam generator blowdown and feedwater flow to the steam generator.

10. Safety-related displays identified in Table 2.2.4-1 can be retrieved in the MCR.

11.a) Controls exist in the MCR to cause the remotely operated valves identified in Table 2.2.4-1 to perform active functions.

11.b) The valves identified in Table 2.2.4-1 as having PMS control perform an active safety function after receiving a signal from PMS.

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.

12.b) After loss of motive power, the remotely operated valves identified in Table 2.2.4-1 assume the indicated loss of motive power position.

Inspections/Tests/Analyses

i) Testing will be performed to confirm closure of the valves identified in Table 2.2.4-3.

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

Stroke testing will be performed on the remotely operated valves listed in Table 2.2.4-1 using controls in the MCR.

i) Testing will be performed on the remotely operated valves listed in Table 2.2.4-1 using real or simulated signals into the PMS.

ii) Testing will be performed to demonstrate that remotely operated SGS isolation valves SGS-V027A/B, V040A/B, V057A/B, V250A/B close within the required response times.

iii) Tests of the motor-operated valves will be performed under pre-operational flow, differential pressure, and temperature conditions.

Testing of the remotely operated valves will be performed under the conditions of loss of motive power.

Acceptance Criteria

i) The valves identified in Table 2.2.4-3 close after a signal is generated by the PMS.

Safety-related displays identified in Table 2.2.4-1 can be retrieved in the MCR.

Controls in the MCR operate to cause the remotely operated valves to perform active safety functions.

i) The remotely-operated valves identified in Table 2.2.4-1 as having PMS control perform the active function identified in the table after receiving a signal from the PMS.

ii) These valves close within the following times after receipt of an actuation signal:

V027A/B	< 44 sec
V040A/B, V057A/B	< 5 sec
V250A/B	< 5 sec

iii) Each motor-operated valve changes position as indicated in Table 2.2.4-1 under preoperational test conditions.

After loss of motive power, each remotely operated valve identified in Table 2.2.4-1 assumes the indicated loss of motive power position. Motive power to SGS-PL-V040A/B and SGS-PL-V057A/B is electric power to the actuator from plant services.

ITAAC Determination Basis

Testing and inspections were performed to, verify that the valves identified in Combined License (COL) Appendix C Table 2.2.4-3 (Attachment A and Attachment B) close after a signal is generated by the Protection and Safety Monitoring System (PMS), that safety-related displays identified in COL Appendix C Table 2.2.4-1 (Attachment C) can be retrieved in the Main Control Room (MCR), that controls in the MCR operate to cause the remotely operated valves identified in COL Appendix C Table 2.2.4-1 (Attachment D) to perform active safety functions, and the remotely operated valves identified in COL Appendix C Table 2.2.4-1 (Attachment E) as having PMS control perform the active function identified in the table after receiving a real or simulated signal from the PMS. This ITAAC also verified selected Steam Generator System (SGS) valves (Attachment F) close within the prescribed time after receipt of an actuation signal, that each Motor-Operated Valve (MOV) changes position as indicated in COL Appendix C Table 2.2.4-1 (Attachment G) under preoperational test conditions, and that after a loss of motive power, each remotely operated valve identified in COL Appendix C Table 2.2.4-1 (Attachment H) assumes the indicated loss of motive power position.

i) The valves identified in Table 2.2.4-3 close after a signal is generated by the PMS.

Testing was performed as described in ITAAC Technical Report SV3-SGS-ITR-800250 (Reference 1) to verify that the valves identified in Attachment A and Attachment B close after a signal is generated by the PMS.

Testing was done to verify the valves in Attachment B close after a signal is generated by the PMS. Testing was performed by verifying the Main Turbine Stop Valves and Control Valves were open. The PMS reactor trip hand switch was placed to trip and the Main Turbine Stop and Control valves were verified to close locally. This testing confirms that the valves in Attachment B close after a signal is generated by the PMS.

Reference 1 describes the testing performed to verify the valves in Attachment A were open. A manual PMS actuation signal was generated from the PMS Maintenance and Test Cabinet (MTC) and the valves in Attachment A were verified to close locally. This testing confirmed that the valves in Attachment A close after a signal is generated by the PMS.

The combination of these tests for Unit 3 verified the valves identified in Table 2.2.4-3 close after a signal is generated by the PMS.

Safety-related displays identified in Table 2.2.4-1 can be retrieved in the MCR.

The inspection was performed as described in ITAAC Technical Report SV3-SGS-ITR-801250 (Reference 2) to verify that the safety-related displays identified in Attachment C can be retrieved in the MCR.

The inspection was conducted at the MCR PMS Visual Display Units (VDUs) and verified the safety-related displays in Attachment C can be retrieved in the MCR. Each valve and indication listed in Attachment C was located on the VDUs and verified to display. This confirms that all the safety-related displays identified in Table 2.2.4-1 can be retrieved in the Unit 3 MCR.

Controls in the MCR operate to cause the remotely operated valves to perform active safety functions.

Testing was performed as described in ITAAC Technical Report SV3-SGS-ITR-805250 (Reference 3) to verify that controls in the MCR operate to cause the remotely operated valves in Attachment D to perform active safety functions.

Testing was conducted at an operator work station in the Unit 3 MCR to verify the valves identified in Attachment D as being remotely operated and having active safety functions are stroked open and closed from the MCR. The valve positions were locally verified and verified in the MCR. This confirms that controls in the Unit 3 MCR operate to cause the remotely operated valves to perform active safety functions.

i) The remotely-operated valves identified in Table 2.2.4-1 as having PMS control perform the active function identified in the table after receiving a signal from the PMS.

Testing was performed as described in ITAAC Technical Report SV3-SGS-ITR-802250 (Reference 4) to confirm the remotely-operated valves identified in Attachment E as having PMS control perform the active function identified in the table after receiving a signal from the PMS.

As described in Reference 4 the valves listed in Attachment E were verified to be Open and testing was performed by utilizing the PMS Maintenance and Test Cabinet (MTC) to generate a PMS output signal. The valves in Attachment E were verified to close by MCR indication and locally at the valves when the PMS output signal was generated.

The testing described in Reference 4 confirmed the remotely-operated valves identified in Table 2.2.4-1 as having PMS control perform the active function identified in the table after receiving a signal from the PMS for Unit 3.

ii) These valves close within the following times after receipt of an actuation signal:

V027A/B	< 44 sec
V040A/B, V057A/B	< 5 sec
V250A/B	< 5 sec

Testing was performed as described in Reference 4 to confirm the following valves close within the following times after receipt of an actuation signal: V027A/B < 44 sec; V040A/B, V057A/B < 5 sec; V250A/B < 5 sec (Attachment F).

Testing was performed as described in Reference 4. The valves in Attachment F were verified to be Open, a trend was established to record valve timing information, and testing was performed utilizing the PMS MTC to generate a PMS output signal. The valves in Attachment F were verified to close, the valve closure time was recorded in the test, and valve closure time summarized in Attachment F.

This testing confirmed that these valves close within the following times after receipt of an actuation signal: V027A/B < 44 sec; V040A/B, V057A/B < 5 sec; V250A/B < 5 sec.

<u>iii) Each motor-operated valve changes position as indicated in Table 2.2.4-1 under preoperational test conditions.</u>

Testing was performed as described in ITAAC Technical Report SV3-SGS-ITR-803250 (Reference 5) to verify each motor-operated valve changes position as indicated in Attachment G under preoperational test conditions.

The testing ensured the Reactor Coolant System (RCS) was at the 557°F plateau to establish the secondary system conditions required for this preoperational testing. The steam generator power-operated relief valve was opened from the MCR, and SGS-PL-V027A (Power-operated Relief Valve Block MOV Steam Generator 01) was closed and locally verified to be closed. This testing was repeated for SGS-PL-V027B (Power-operated Relief Valve Block MOV Steam Generator 02).

Startup feedwater flow was verified to be 200 gpm or greater, and SGS-PL-V067A (Startup Feedwater Isolation MOV) was closed and locally verified to be closed. This testing was repeated for SGS-PL-V067B (Startup Feedwater Isolation MOV).

The test results verified that for Unit 3 each motor-operated valve changes position as indicated in Table 2.2.4-1 under preoperational test conditions.

<u>After loss of motive power, each remotely operated valve identified in Table 2.2.4-1 assumes the indicated loss of motive power position. Motive power to SGS-PL-V040A/B and SGS-PL-V057A/B is electric power to the actuator from plant services.</u>

Testing was performed as described in ITAAC Technical Report SV3-SGS-ITR-804250 (Reference 6) to demonstrate that after a loss of motive power, each remotely operated valve identified in Attachment H assumes the indicated loss of motive power position. Motive power to SGS-PL-V040A/B and SGS-PL-V057A/B is electric power to the actuator from plant services (plant electrical power to the operating solenoids).

Reference 6 describes and documents how each of the component tests were performed. The air operated valves were placed in the Open position and power removed to the solenoid valve supplying air to the valve actuators which removed motive power from the valves. The air operated valves were locally verified to fail to their loss of motive power position (closed). The motor-operated valves (MOVs) were each stroked to their fully Open position by using the valve control circuit to de-energize the contactors, which removed motive power from the valve when

the fully Open position was reached. This loss of power caused by the valve control circuit demonstrated the MOV failed "As-Is" (Open) when motive power was removed. Each MOV was also stroked fully Closed by using the valve control circuit to de-energize the contactors, which removed motive power from the valve when the fully Closed position was reached. This loss of power caused by the valve control circuit demonstrated the MOV failed "As-Is" (Closed) when motive power was removed. MOV positions were verified locally and in the MCR during the MOV testing. The hydraulic/pneumatic valves (SGS-PL-V040A/B and SGS-PL-V057A/B) were configured to the Open position, power was removed from the actuator (electrical power to the operating solenoids), and the valves were verified to fail to their loss of motive power position (As-Is). Testing was repeated with the hydraulic/pneumatic valves in the Closed position and the valves were again verified to fail to their loss of motive power position (As-Is).

The test results verified for Unit 3 that after loss of motive power, each remotely operated valve identified in Table 2.2.4-1 assumes the indicated loss of motive power position. Motive power to SGS-PL-V040A/B and SGS-PL-V057A/B is electric power to the actuator from plant services.

The completed test results (References 1 through 6) are available for NRC inspection as part of the Unit 3 ITAAC 2.2.04.12a.iii Completion Package (Reference 7).

ITAAC Finding Review

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of all findings pertaining to the subject ITAAC and associated corrective actions. This review found there were no relevant ITAAC findings associated with this ITAAC. The ITAAC completion review is documented in the ITAAC Completion Package for ITAAC 2.2.04.12a.iii (Reference 7) and is available for NRC review.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.2.04.12a.iii was performed for VEGP Unit 3 and that the prescribed acceptance criteria were met.

Systems, structures, and components verified as part of this ITAAC are being maintained in their as-designed, ITAAC compliant condition in accordance with approved plant programs and procedures.

References (available for NRC inspection)

1. SV3-SGS-ITR-800250, Unit 3 Recorded Results of Steam Generator System: ITAAC 2.2.04.12a.iii Item 9.a) NRC Index Number: 250, Rev 1
2. SV3-SGS-ITR-801250, Unit 3 Recorded Results of Steam Generator System: ITAAC 2.2.04.12a.iii Item 10 NRC Index Number: 250, Rev. 1
3. SV3-SGS-ITR-805250, Unit 3 Recorded Results of Steam Generator System: ITAAC 2.2.04.12a.iii Item 11.a) NRC Index Number: 250, Rev. 1
4. SV3-SGS-ITR-802250, Unit 3 Recorded Results of Steam Generator System: ITAAC 2.2.04.12a.iii Item 11.b) NRC Index Number: 250, Rev. 1
5. SV3-SGS-ITR-803250, Unit 3 Recorded Results of Steam Generator System: ITAAC 2.2.04.12a.iii Item 12.a) NRC Index Number: 250, Rev. 1

6. SV3-SGS-ITR-804250, Unit 3 Recorded Results of Steam Generator System: ITAAC 2.2.04.12a.iii Item 12.b) NRC Index Number: 250, Rev. 0

7. 2.2.04.12a.iii-U3-CP-Rev0, ITAAC Completion Package

Attachment A

*Excerpt from COL Appendix C Table 2.2.4-3

*Equipment Name	*Tag No.	*Control Function
Turbine Bypass Control Valve	MSS-PL-V001	Close
Turbine Bypass Control Valve	MSS-PL-V002	Close
Turbine Bypass Control Valve	MSS-PL-V003	Close
Turbine Bypass Control Valve	MSS-PL-V004	Close
Turbine Bypass Control Valve	MSS-PL-V005	Close
Turbine Bypass Control Valve	MSS-PL-V006	Close
Moisture Separator Reheater 2nd Stage Steam Isolation Valve	MSS-PL-V015A	Close
Moisture Separator Reheater 2nd Stage Steam Isolation Valve	MSS-PL-V015B	Close

Attachment B

*Excerpt from COL Appendix C Table 2.2.4-3

*Equipment Name	*Tag No.	*Control Function
Turbine Stop Valve	MTS-PL-V001A	Close
Turbine Stop Valve	MTS-PL-V001B	Close
Turbine Control Valve	MTS-PL-V002A	Close
Turbine Control Valve	MTS-PL-V002B	Close
Turbine Stop Valve	MTS-PL-V003A	Close
Turbine Stop Valve	MTS-PL-V003B	Close
Turbine Control Valve	MTS-PL-V004A	Close
Turbine Control Valve	MTS-PL-V004B	Close

Attachment C

*Excerpt from COL Appendix C Table 2.2.4-1

*Equipment Name	*Tag No.	*Safety-Related Display
Power-operated Relief Valve Block Motor-operated Valve Steam Generator 01	SGS-PL-V027A	Yes (Valve Position)
Power-operated Relief Valve Block Motor-operated Valve Steam Generator 02	SGS-PL-V027B	Yes (Valve Position)
Steam Line Condensate Drain Isolation Valve	SGS-PL-V036A	Yes (Valve Position)
Steam Line Condensate Drain Isolation Valve	SGS-PL-V036B	Yes (Valve Position)
Main Steam Line Isolation Valve	SGS-PL-V040A	Yes (Valve Position)
Main Steam Line Isolation Valve	SGS-PL-V040B	Yes (Valve Position)
Steam Line Condensate Drain Control Valve	SGS-PL-V086A	Yes (Valve Position)
Steam Line Condensate Drain Control Valve	SGS-PL-V086B	Yes (Valve Position)
Main Feedwater Isolation Valve	SGS-PL-V057A	Yes (Valve Position)
Main Feedwater Isolation Valve	SGS-PL-V057B	Yes (Valve Position)
Startup Feedwater Isolation Motor-operated Valve	SGS-PL-V067A	Yes (Valve Position)
Startup Feedwater Isolation Motor-operated Valve	SGS-PL-V067B	Yes (Valve Position)
Steam Generator Blowdown Isolation Valve	SGS-PL-V074A	Yes (Valve Position)
Steam Generator Blowdown Isolation Valve	SGS-PL-V074B	Yes (Valve Position)
Steam Generator Blowdown Isolation Valve	SGS-PL-V075A	Yes (Valve Position)
Steam Generator Blowdown Isolation Valve	SGS-PL-V075B	Yes (Valve Position)
Power-operated Relief Valve	SGS-PL-V233A	Yes (Valve Position)
Power-operated Relief Valve	SGS-PL-V233B	Yes (Valve Position)
Main Steam Isolation Valve Bypass Isolation	SGS-PL-V240A	Yes (Valve Position)
Main Steam Isolation Valve Bypass Isolation	SGS-PL-V240B	Yes (Valve Position)
Main Feedwater Control Valve	SGS-PL-V250A	Yes (Valve Position)
Main Feedwater Control Valve	SGS-PL-V250B	Yes (Valve Position)
Startup Feedwater Control Valve	SGS-PL-V255A	Yes (Valve Position)
Startup Feedwater Control Valve	SGS-PL-V255B	Yes (Valve Position)
Steam Generator 1 Narrow Range Level Sensor	SGS-001	Yes
Steam Generator 1 Narrow Range Level Sensor	SGS-002	Yes
Steam Generator 1 Narrow Range Level Sensor	SGS-003	Yes
Steam Generator 1 Narrow Range Level Sensor	SGS-004	Yes
Steam Generator 2 Narrow Range Level Sensor	SGS-005	Yes
Steam Generator 2 Narrow Range Level Sensor	SGS-006	Yes

Attachment C (con't)

*Equipment Name	*Tag No.	*Safety-Related Display
Steam Generator 2 Narrow Range Level Sensor	SGS-007	Yes
Steam Generator 2 Narrow Range Level Sensor	SGS-008	Yes
Steam Generator 1 Wide Range Level Sensor	SGS-011	Yes
Steam Generator 1 Wide Range Level Sensor	SGS-012	Yes
Steam Generator 2 Wide Range Level Sensor	SGS-013	Yes
Steam Generator 2 Wide Range Level Sensor	SGS-014	Yes
Steam Generator 1 Wide Range Level Sensor	SGS-015	Yes
Steam Generator 1 Wide Range Level Sensor	SGS-016	Yes
Steam Generator 2 Wide Range Level Sensor	SGS-017	Yes
Steam Generator 2 Wide Range Level Sensor	SGS-018	Yes
Main Steam Line Steam Generator 1 Pressure Sensor	SGS-030	Yes
Main Steam Line Steam Generator 1 Pressure Sensor	SGS-031	Yes
Main Steam Line Steam Generator 1 Pressure Sensor	SGS-032	Yes
Main Steam Line Steam Generator 1 Pressure Sensor	SGS-033	Yes
Main Steam Line Steam Generator 2 Pressure Sensor	SGS-034	Yes
Main Steam Line Steam Generator 2 Pressure Sensor	SGS-035	Yes
Main Steam Line Steam Generator 2 Pressure Sensor	SGS-036	Yes
Main Steam Line Steam Generator 2 Pressure Sensor	SGS-037	Yes
Steam Generator 1 Startup Feedwater Flow Sensor	SGS-55A	Yes
Steam Generator 1 Startup Feedwater Flow Sensor	SGS-55B	Yes
Steam Generator 2 Startup Feedwater Flow Sensor	SGS-56A	Yes
Steam Generator 2 Startup Feedwater Flow Sensor	SGS-56B	Yes

Attachment D

*Excerpt from COL Appendix C Table 2.2.4-1

*Equipment Name	*Tag No.	*Remotely Operated Valve	*Active Function
Power-operated Relief Valve Block Motor-operated Valve Steam Generator 01	SGS-PL-V027A	Yes	Transfer Closed
Power-operated Relief Valve Block Motor-operated Valve Steam Generator 02	SGS-PL-V027B	Yes	Transfer Closed
Steam Line Condensate Drain Isolation Valve	SGS-PL-V036A	Yes	Transfer Closed
Steam Line Condensate Drain Isolation Valve	SGS-PL-V036B	Yes	Transfer Closed
Main Steam Line Isolation Valve	SGS-PL-V040A	Yes	Transfer Closed
Main Steam Line Isolation Valve	SGS-PL-V040B	Yes	Transfer Closed
Steam Line Condensate Drain Control Valve	SGS-PL-V086A	Yes	Transfer Closed
Steam Line Condensate Drain Control Valve	SGS-PL-V086B	Yes	Transfer Closed
Main Feedwater Isolation Valve	SGS-PL-V057A	Yes	Transfer Closed
Main Feedwater Isolation Valve	SGS-PL-V057B	Yes	Transfer Closed
Startup Feedwater Isolation Motor-operated Valve	SGS-PL-V067A	Yes	Transfer Closed
Startup Feedwater Isolation Motor-operated Valve	SGS-PL-V067B	Yes	Transfer Closed
Steam Generator Blowdown Isolation Valve	SGS-PL-V074A	Yes	Transfer Closed
Steam Generator Blowdown Isolation Valve	SGS-PL-V074B	Yes	Transfer Closed
Steam Generator Blowdown Isolation Valve	SGS-PL-V075A	Yes	Transfer Closed
Steam Generator Blowdown Isolation Valve	SGS-PL-V075B	Yes	Transfer Closed
Power-operated Relief Valve	SGS-PL-V233A	Yes	Transfer Closed
Power-operated Relief Valve	SGS-PL-V233B	Yes	Transfer Closed
Main Steam Isolation Valve Bypass Isolation	SGS-PL-V240A	Yes	Transfer Closed
Main Steam Isolation Valve Bypass Isolation	SGS-PL-V240B	Yes	Transfer Closed
Main Feedwater Control Valve	SGS-PL-V250A	Yes	Transfer Closed
Main Feedwater Control Valve	SGS-PL-V250B	Yes	Transfer Closed
Startup Feedwater Control Valve	SGS-PL-V255A	Yes	Transfer Closed
Startup Feedwater Control Valve	SGS-PL-V255B	Yes	Transfer Closed

Attachment E

*Excerpt from COL Appendix C Table 2.2.4-1

*Equipment Name	*Tag No.	*Remotely Operated Valve	*Control PMS	*Active Function
Steam Line Condensate Drain Isolation Valve	SGS-PL-V036A	Yes	Yes	Transfer Closed
Steam Line Condensate Drain Isolation Valve	SGS-PL-V036B	Yes	Yes	Transfer Closed
Main Steam Line Isolation Valve	SGS-PL-V040A	Yes	Yes	Transfer Closed
Main Steam Line Isolation Valve	SGS-PL-V040B	Yes	Yes	Transfer Closed
Steam Line Condensate Drain Control Valve	SGS-PL-V086A	Yes	Yes	Transfer Closed
Steam Line Condensate Drain Control Valve	SGS-PL-V086B	Yes	Yes	Transfer Closed
Main Feedwater Isolation Valve	SGS-PL-V057A	Yes	Yes	Transfer Closed
Main Feedwater Isolation Valve	SGS-PL-V057B	Yes	Yes	Transfer Closed
Steam Generator Blowdown Isolation Valve	SGS-PL-V074A	Yes	Yes	Transfer Closed
Steam Generator Blowdown Isolation Valve	SGS-PL-V074B	Yes	Yes	Transfer Closed
Steam Generator Blowdown Isolation Valve	SGS-PL-V075A	Yes	Yes	Transfer Closed
Steam Generator Blowdown Isolation Valve	SGS-PL-V075B	Yes	Yes	Transfer Closed
Main Steam Isolation Valve Bypass Isolation	SGS-PL-V240A	Yes	Yes	Transfer Closed
Main Steam Isolation Valve Bypass Isolation	SGS-PL-V240B	Yes	Yes	Transfer Closed
Startup Feedwater Control Valve	SGS-PL-V255A	Yes	Yes	Transfer Closed
Startup Feedwater Control Valve	SGS-PL-V255B	Yes	Yes	Transfer Closed
Power-operated Relief Valve Block Motor-operated Valve Steam Generator 01	SGS-PL-V027A	Yes	Yes	Transfer Closed
Power-operated Relief Valve Block Motor-operated Valve Steam Generator 02	SGS-PL-V027B	Yes	Yes	Transfer Closed
Startup Feedwater Isolation Motor-operated Valve	SGS-PL-V067A	Yes	Yes	Transfer Closed
Startup Feedwater Isolation Motor-operated Valve	SGS-PL-V067B	Yes	Yes	Transfer Closed
Power-operated Relief Valve	SGS-PL-V233A	Yes	Yes	Transfer Closed
Power-operated Relief Valve	SGS-PL-V233B	Yes	Yes	Transfer Closed
Main Feedwater Control Valve	SGS-PL-V250A	Yes	Yes	Transfer Closed
Main Feedwater Control Valve	SGS-PL-V250B	Yes	Yes	Transfer Closed

Attachment F

*Excerpt from COL Appendix C Table 2.2.4-1

Unit	*Equipment Name	*Tag No.	Closure time (Sec)
3	Power-operated Relief Valve Block Motor-operated Valve Steam Generator 01	SGS-PL-V027A	21.84
3	Power-operated Relief Valve Block Motor-operated Valve Steam Generator 02	SGS-PL-V027B	23.84
3	Main Steam Line Isolation Valve	SGS-PL-V040A	4.231
3	Main Steam Line Isolation Valve	SGS-PL-V040B	4.604
3	Main Feedwater Isolation Valve	SGS-PL-V057A	4.357
3	Main Feedwater Isolation Valve	SGS-PL-V057B	4.350
3	Main Feedwater Control Valve	SGS-PL-V250A	4.149
3	Main Feedwater Control Valve	SGS-PL-V250B	3.943

Attachment G

*Excerpt from COL Appendix C Table 2.2.4-1

*Equipment Name	*Tag No.	*Active Function
Power-operated Relief Valve Block Motor-operated Valve Steam Generator 01	SGS-PL-V027A	Transfer Closed
Power-operated Relief Valve Block Motor-operated Valve Steam Generator 02	SGS-PL-V027B	Transfer Closed
Startup Feedwater Isolation Motor-operated Valve	SGS-PL-V067A	Transfer Closed
Startup Feedwater Isolation Motor-operated Valve	SGS-PL-V067B	Transfer Closed

Attachment H

*Excerpt from COL Appendix C Table 2.2.4-1

*Equipment Name	*Tag No.	*Remotely Operated Valve	*Loss of Motive Power Position
Power-operated Relief Valve Block Motor-operated Valve Steam Generator 01	SGS-PL-V027A	Yes	As Is
Power-operated Relief Valve Block Motor-operated Valve Steam Generator 02	SGS-PL-V027B	Yes	As Is
Steam Line Condensate Drain Isolation Valve	SGS-PL-V036A	Yes	Closed
Steam Line Condensate Drain Isolation Valve	SGS-PL-V036B	Yes	Closed
Main Steam Line Isolation Valve	SGS-PL-V040A	Yes	As Is
Main Steam Line Isolation Valve	SGS-PL-V040B	Yes	As Is
Steam Line Condensate Drain Control Valve	SGS-PL-V086A	Yes	Closed
Steam Line Condensate Drain Control Valve	SGS-PL-V086B	Yes	Closed
Main Feedwater Isolation Valve	SGS-PL-V057A	Yes	As Is
Main Feedwater Isolation Valve	SGS-PL-V057B	Yes	As Is
Startup Feedwater Isolation Motor-operated Valve	SGS-PL-V067A	Yes	As Is
Startup Feedwater Isolation Motor-operated Valve	SGS-PL-V067B	Yes	As Is
Steam Generator Blowdown Isolation Valve	SGS-PL-V074A	Yes	Closed
Steam Generator Blowdown Isolation Valve	SGS-PL-V074B	Yes	Closed
Steam Generator Blowdown Isolation Valve	SGS-PL-V075A	Yes	Closed
Steam Generator Blowdown Isolation Valve	SGS-PL-V075B	Yes	Closed
Power-operated Relief Valve	SGS-PL-V233A	Yes	Closed
Power-operated Relief Valve	SGS-PL-V233B	Yes	Closed
Main Steam Isolation Valve Bypass Isolation	SGS-PL-V240A	Yes	Closed
Main Steam Isolation Valve Bypass Isolation	SGS-PL-V240B	Yes	Closed
Main Feedwater Control Valve	SGS-PL-V250A	Yes	Closed
Main Feedwater Control Valve	SGS-PL-V250B	Yes	Closed
Startup Feedwater Control Valve	SGS-PL-V255A	Yes	Closed
Startup Feedwater Control Valve	SGS-PL-V255B	Yes	Closed