2.6.8 Containment Building Ventilation System

Design Description

1.0 System Description

The containment building ventilation system (CBVS) controls the Reactor Containment Building temperature and air change rate for personnel comfort, personnel safety, and equipment protection during normal plant operation. The CBVS provides cooling, heating, and ventilation for the Reactor Containment Building to remove equipment heat, and heat generated from other sources. The CBVS also provides heat to maintain a minimum temperature in the building. The CBVS provides a minimal air change rate for the building and controls the building pressurization to reduce spreading of contamination.

The CBVS provides the following safety-related functions:

- Upon receipt of a containment isolation signal, the CBVS provides automatic isolation of the containment atmosphere by quick closure of the system containment isolation valves.
- Upon receipt of a containment isolation signal during a low flow purge operation, air exhausted from containment will be filtered by the CBVS low flow iodine filtration units until the containment isolation valves are closed.

The CBVS provides the following non-safety-related functions:

- Isolation of CBVS low flow purge subsystem supply air damper to Fuel Building hatch area when the equipment hatch is open upon receipt of a signal from the emergency push button located in the fuel handling area inside the Reactor Containment Building.
- Isolation of fuel building ventilation system (FBVS) exhaust air damper to the area in front of emergency airlock upon receipt of a signal from the emergency push button located in the fuel handling area inside the Reactor Containment Building.

2.0 Arrangement

2.1 The functional arrangement of the CBVS is as described in the Design Description of Section 2.6.8, Tables 2.6.8-1—Containment Building Ventilation System Containment Isolation Valves Mechanical Design, 2.6.8-2—Containment Building Ventilation System Equipment Mechanical Design and 2.6.8-3—Containment Ventilation System Equipment I&C and Electrical Design, and as shown on Figure 2.6.8-1—Containment Building Ventilation System Functional Arrangement.

2.2 Deleted.

3.0 Mechanical Design Features

3.1 Valves listed in Table 2.6.8-1 will be functionally designed and qualified such that each valve is capable of performing its intended function under the full range of fluid flow, differential pressure, electrical conditions, and temperature conditions up to and including design basis accident conditions.

3.2 Class 1E valves listed in Table 2.6.8-3 will function to change position as listed in Table 2.6.8-1 under normal operating conditions.

3.3 Class 1E dampers listed in Table 2.6.8-3 will function to change position as listed in Table 2.6.8-2 under normal operating conditions.

3.4 Equipment identified as Seismic Category I in Tables 2.6.8-1 and 2.6.8-2 can withstand seismic design basis loads without a loss of safety function(s).

3.5 Deleted.

3.6 Deleted.

3.7 Equipment listed in Table 2.6.8-2 as ASME AG-1 Code are fabricated, installed, inspected, and tested in accordance with ASME AG-1 Code requirements.

3.8 Deleted.

3.9 As-built ASME Code Class 2 components listed in Table 2.6.8-1 are reconciled with the design requirements.

3.10 Pressure-boundary welds in ASME Code Class 2 components listed in Table 2.6.8-1 meet ASME Code Section III non-destructive examination requirements.

3.11 ASME Code Class 2 components listed in Table 2.6.8-1 retain their pressure-boundary integrity at their design pressure.

3.12 ASME Code Class 2 components listed in Table 2.6.8-1 are fabricated, installed, and inspected in accordance with ASME Code Section III requirements.

3.13 ASME Code Class 2 piping systems are designed in accordance with ASME Code Section III requirements.

3.14 Deleted.

3.15 Deleted.

3.16 Deleted.

3.17 Deleted.

4.0 I&C Design Features, Displays, and Controls

4.1 Displays listed in Table 2.6.8-3 are indicated on the PICS operator workstations in the MCR and the RSS.

4.2 Controls on the PICS operator workstations in the MCR and the RSS perform the function listed in Table 2.6.8-3.

4.3 Equipment listed as being controlled by a PACS module in Table 2.6.8-3 responds to the state requested and provides drive monitoring signals back to the PACS module. The PACS module will protect the equipment by terminating the output command upon the equipment reaching the requested state.

4.4 Deleted.

5.0 Electrical Power Design Features

5.1 Equipment designated as Class 1E in Table 2.6.8-3 are powered from the Class 1E division as listed in Table 2.6.8-3 in a normal or alternate feed condition.

5.2 Deleted.

6.0 Environmental Qualifications

6.1 Equipment designated as harsh environment in Table 2.6.8-3 can perform the function listed in Tables 2.6.8-1 and 2.6.8-2 under normal environmental conditions, containment test conditions, anticipated operational occurrences, and accident and post-accident environmental conditions.

7.0 Equipment and System Performance

7.1 The CBVS low flow purge exhaust subsystem exhausts through a CBVS iodine filtration train.

7.2 Upon receipt of a signal from the emergency push button located in the fuel handling area inside the Reactor Containment Building, the following actions occur automatically:

- Close CBVS low flow purge subsystem supply air damper to Fuel Building hatch area when the equipment hatch is open.
- Close FBVS exhaust air damper to the area in front of emergency airlock.

Inspections, Tests, Analyses, and Acceptance Criteria

Table 2.6.8-4 lists the CBVS ITAAC.

Table 2.6.8-1—CBVS Containment Isolation Valves Mechanical Design

Description	Tag Number(1)	Location	ASME Code Section III	Function	Seismic Category
Containment Isolation Valve	30KLA10AA001	Fuel Building	Yes	Close	I
Containment Isolation Valve	30KLA10AA003	Reactor Building	Yes	Close	I
Containment Isolation Valve	30KLA30AA002	Fuel Building	Yes	Close	I
Containment Isolation Valve	30KLA30AA003	Reactor Building	Yes	Close	I
Containment Isolation Valve	30KLA20AA003	Fuel Building	Yes	Close	I
Containment Isolation Valve	30KLA20AA001	Reactor Building	Yes	Close	I
Containment Isolation Valve	30KLA40AA002	Fuel Building	Yes	Close	I
Containment Isolation Valve	30KLA40AA001	Reactor Building	Yes	Close	I

1. Equipment tag numbers are provided for information only and are not part of the certified design.

Table 2.6.8-2—CBVS Equipment Mechanical Design
Sheet 1 of 2

Description	Tag Number(1)	Location	ASME AG-1 Code	Function	Seismic Category
Low Flow Purge Exhaust					
Motor operated dampers	30KLA21AA004 30KLA22AA004	Fuel Building	Yes	Open	I
Electric Heaters	30KLA21AH005 30KLA22AH005	Fuel Building	Yes	On / Off	I
Prefilters	30KLA21AT001 30KLA22AT001	Fuel Building	Yes	N/A	I
HEPA Filters	30KLA21AT002 30KLA22AT002	Fuel Building	Yes	N/A	I
Carbon Absorbers	30KLA21AT003 30KLA22AT003	Fuel Building	Yes	N/A	I
Post Filters	30KLA21AT004 30KLA22AT004	Fuel Building	Yes	N/A	I
Motor Operated Dampers	30KLA21AA007 30KLA22AA007	Fuel Building	Yes	Open	I
Exhaust Fans	30KLA21AN001 30KLA22AN001	Fuel Building	Yes	Run	I
Backdraft Dampers	30KLA21AA003 30KLA22AA003	Fuel Building	Yes	Open / Close	I
Moisture Separators	30KLA21AT005 30KLA22AT005	Fuel Building	Yes	N/A	I
Motor Operated Dampers	30KLA21AA001 30KLA22AA001	Fuel Building	Yes	Close	I
Internal Filtration Train					
Motor Operated Damper	30KLA50AA002	Reactor Building	Yes	Open	I

Table 2.6.8-2—CBVS Equipment Mechanical Design
Sheet 2 of 2

Description	Tag Number(1)	Location	ASME AG-1 Code	Function	Seismic Category
Electric Heater	30KLA50AH001	Reactor Building	Yes	On / Off	I
Prefilter	30KLA50AT001	Reactor Building	Yes	N/A	I
HEPA Filters	30KLA50AT002	Reactor Building	Yes	N/A	I
Carbon Absorber	30KLA50AT003	Reactor Building	Yes	N/A	I
Post Filters	30KLA50AT004	Reactor Building	Yes	N/A	I
Motor Operated Damper	30KLA50AA004	Reactor Building	Yes	Open	I
Recirculation Fans	30KLA51AN001 30KLA52AN001	Reactor Building	Yes	Run	I
Backdraft Dampers	30KLA51AA007 30KLA52AA007	Reactor Building	Yes	Open / Close	I

1. Equipment tag numbers are provided for information only and are not part of the certified design.

Table 2.6.8-3—CBVS Equipment I&C and Electrical Design
Sheet 1 of 5

Description	Tag Number(1)	Location	IEEE Class 1E(2)	EQ – Harsh Env.	PACS	MCR / RSS Displays	MCR / RSS Controls
Containment Isolation Valve	30KLA10AA001	Fuel Building	1, 4	Yes	Yes	Position / Position	Open-Close / Open-Close
Containment Isolation Valve	30KLA10AA003	Reactor Building	4, 1	Yes	Yes	Position / Position	Open-Close / Open-Close
Containment Isolation Valve	30KLA20AA001	Reactor Building	1, 4	Yes	Yes	Position / Position	Open-Close / Open-Close
Containment Isolation Valve	30KLA20AA003	Fuel Building	4, 1	Yes	Yes	Position / Position	Open-Close / Open-Close
Containment Isolation Valve	30KLA30AA002	Fuel Building	1, 4	Yes	Yes	Position / Position	Open-Close / Open-Close
Containment Isolation Valve	30KLA30AA003	Reactor Building	4, 1	Yes	Yes	Position / Position	Open-Close / Open-Close
Containment Isolation Valve	30KLA40AA001	Reactor Building	1, 4	Yes	Yes	Position / Position	Open-Close / Open-Close
Containment Isolation Valve	30KLA40AA002	Fuel Building	4, 1	Yes	Yes	Position / Position	Open-Close / Open-Close
Low Flow Purge Exhaust							
Motor Operated Damper	30KLA21AA004	Fuel Building	1^N 2^A	Yes	Yes	Position / Position	Open-Close / Open-Close
Motor Operated Damper	30KLA22AA004	Fuel Building	4^N 3^A	Yes	Yes	Position / Position	Open-Close / Open-Close
Electric Heater	30KLA21AH005	Fuel Building	1^N 2^A	Yes	Yes	On-Off / On-Off	On-Off / On-Off

Table 2.6.8-3—CBVS Equipment I&C and Electrical Design
Sheet 2 of 5

Description	Tag Number(1)	Location	IEEE Class 1E(2)	EQ – Harsh Env.	PACS	MCR / RSS Displays	MCR / RSS Controls
Electric Heater	30KLA22AH005	Fuel Building	4^N 3^A	Yes	Yes	On-Off / On-Off	On-Off / On-Off
Motor Operated Damper	30KLA21AA007	Fuel Building	1^N 2^A	Yes	Yes	Position / Position	Open-Close / Open-Close
Motor Operated Damper	30KLA22AA007	Fuel Building	4^N 3^A	Yes	Yes	Position / Position	Open-Close / Open-Close
Exhaust Fan	30KLA21AN0001	Fuel Building	1	Yes	Yes	On-Off / On-Off	Run-Stop / Run-Stop
Exhaust Fan	30KLA22AN0001	Fuel Building	4	Yes	Yes	On-Off / On-Off	Run-Stop / Run-Stop
Motor Operated Dampers	30KLA21AA001	Fuel Building	N/A	N/A	N/A	Position / Position	Open-Close / Open-Close
Motor Operated Dampers	30KLA22AA001	Fuel Building	N/A	N/A	N/A	Position / Position	Open-Close / Open-Close
Internal Filtration Train							
Motor Operated Damper	30KLA50AA002	Reactor Building	2^N 1^A	Yes	Yes	Position / Position	Open-Close / Open-Close
Electric Heater	30KLA50AH001	Reactor Building	2^N 1^A	Yes	Yes	On-Off / On-Off	On-Off / On-Off
Motor Operated Damper	30KLA50AA004	Reactor Building	2^N 1^A	Yes	Yes	Position / Position	Open-Close / Open-Close
Recirculation Fans	30KLA51AN001	Reactor Building	2^N 1^A	Yes	Yes	On-Off / On-Off	Run-Stop / Run-Stop

Table 2.6.8-3—CBVS Equipment I&C and Electrical Design
Sheet 3 of 5

Description	Tag Number(1)	Location	IEEE Class 1E(2)	EQ – Harsh Env.	PACS	MCR / RSS Displays	MCR / RSS Controls
Recirculation Fans	30KLA52AN001	Reactor Building	1^{N} 2^{A}	Yes	Yes	On-Off / On-Off	Run-Stop / Run-Stop
Instruments							
Containment Pressure	30KLA70CP801	Fuel Building	N/A	Yes	N/A	Pressure/ Pressure	N/A
Containment Pressure	30KLA70CP802	Safeguard Building 2	N/A	Yes	N/A	Pressure/ Pressure	N/A
Containment Pressure	30KLA70CP803	Safeguard Building 3	N/A	Yes	N/A	Pressure/ Pressure	N/A
Containment Pressure	30KLA70CP804	Fuel Building	N/A	Yes	N/A	Pressure/ Pressure	N/A
Containment Pressure	30KLA60CP851	Fuel Building	N/A	Yes	N/A	Pressure/ Pressure	N/A
Containment Pressure	30KLA70CP851	Fuel Building	N/A	Yes	N/A	Pressure/ Pressure	N/A
Containment Pressure	30KLA60CP852	Safeguard Building 2	N/A	Yes	N/A	Pressure/ Pressure	N/A
Containment Pressure	30KLA70CP852	Safeguard Building 2	N/A	Yes	N/A	Pressure/ Pressure	N/A
Containment Pressure	30KLA60CP853	Safeguard Building 3	N/A	Yes	N/A	Pressure/ Pressure	N/A
Containment Pressure	30KLA70CP853	Safeguard Building 3	N/A	Yes	N/A	Pressure/ Pressure	N/A
Containment Pressure	30KLA60CP854	Fuel Building	N/A	Yes	N/A	Pressure/ Pressure	N/A

Table 2.6.8-3—CBVS Equipment I&C and Electrical Design
Sheet 4 of 5

Description	Tag Number(1)	Location	IEEE Class 1E(2)	EQ – Harsh Env.	PACS	MCR / RSS Displays	MCR / RSS Controls
Containment Pressure	30KLA70CP854	Fuel Building	N/A	Yes	N/A	Pressure/ Pressure	N/A
Temperature Downstream of Electric Heater	30KLA21CT001	Fuel Building	N/A	Yes	N/A	Temperature/ Temperature	N/A
Temperature Upstream of Electric Heater	30KLA21CT002	Fuel Building	N/A	Yes	N/A	Temperature/ Temperature	N/A
Duct Air Flow	30KLA21CF001	Fuel Building	N/A	Yes	N/A	Flow/Flow	N/A
Iodine Filter Differential Pressure	30KLA21CP505	Fuel Building	N/A	Yes	N/A	Pressure/ Pressure	N/A
Temperature Downstream of Electric Heater	30KLA22CT001	Fuel Building	N/A	Yes	N/A	Temperature/ Temperature	N/A
Temperature Upstream of Electric Heater	30KLA22CT002	Fuel Building	N/A	Yes	N/A	Temperature/ Temperature	N/A
Duct Air Flow	30KLA22CF001	Fuel Building	N/A	Yes	N/A	Flow/Flow	N/A
Iodine Filter Differential Pressure	30KLA22CP505	Fuel Building	N/A	Yes	N/A	Pressure/ Pressure	N/A
Temperature Downstream of Carbon Adsorbers	30KLA21CT003	Fuel Building	N/A	Yes	N/A	Temperature/ Temperature	N/A
Temperature Downstream of Carbon Adsorbers	30KLA22CT003	Fuel Building	N/A	Yes	N/A	Temperature/ Temperature	N/A

Table 2.6.8-3—CBVS Equipment I&C and Electrical Design
Sheet 5 of 5

Description	Tag Number(1)	Location	IEEE Class 1E(2)	EQ – Harsh Env.	PACS	MCR / RSS Displays	MCR / RSS Controls
Temperature Upstream of Electric Heater	30KLA50CT002	Reactor Building	N/A	Yes	N/A	Temperature / Temperature	N/A
Temperature Downstream of Electric Heater	30KLA50CT001	Reactor Building	N/A	Yes	N/A	Temperature / Temperature	N/A
Duct Air Flow	30KLA50CF001	Reactor Building	N/A	Yes	N/A	Flow/Flow	N/A
Temperature Downstream of Carbon Adsorber	30KLA50CT003	Reactor Building	N/A	Yes	N/A	Temperature / Temperature	N/A

1. Equipment tag numbers are provided for information only and are not part of the certified design.

2. ^{N} denotes division the equipment is normally powered from, while ^{A} denotes division the equipment is powered from when alternate feed is implemented.

Table 2.6.8-4—Containment Building Ventilation System ITAAC
Sheet 1 of 7

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
2.1	The functional arrangement of the CBVS is as described in the Design Description of Section 2.6.8, Tables 2.6.8-1, 2.6.8-2 and 2.6.8-3, and as shown on Figure 2.6.8-1.	An inspection of the as-built CBVS functional arrangement will be performed.	The CBVS conforms to the functional arrangement as described in the Design Description of Section 2.6.8, Tables 2.6.8-1, 2.6.8-2 and 2.6.8-3, and as shown on Figure 2.6.8-1.
2.2	Deleted.	Deleted.	Deleted.
3.1	Valves listed in Table 2.6.8-1 will be functionally designed and qualified such that each valve is capable of performing its intended function under the full range of fluid flow, differential pressure, electrical conditions, and temperature conditions up to and including design basis accident conditions.	Tests or type tests of valves will be performed to demonstrate that the valves function under the full range of fluid flow, differential pressure, electrical conditions, and temperature conditions up to and including design basis accident conditions.	A report concludes that the valves listed in Table 2.6.8-1 are capable of performing their intended function under the full range of fluid flow, differential pressure, electrical conditions, and temperature conditions up to and including design basis accident conditions.
3.2	Class 1E valves listed in Table 2.6.8-3 will function to change position as listed in Table 2.6.8-1 under normal operating conditions.	Tests will be performed to demonstrate the ability of valves to change position under normal operating conditions	Class 1E valves listed in Table 2.6.8-3 change position as listed in Table 2.6.8-1 under normal operating conditions.
3.3	Class 1E dampers listed in Table 2.6.8-3 will function to change position as listed in Table 2.6.8-2 under normal operating conditions.	Tests will be performed to verify the ability of Class 1E dampers to change position under normal operating conditions.	Class 1E dampers listed in Table 2.6.8-3 change position as listed in Table 2.6.8-2 under normal operating conditions.

Table 2.6.8-4—Containment Building Ventilation System ITAAC
Sheet 2 of 7

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.4	Equipment identified as Seismic Category I in Tables 2.6.8-1 and 2.6.8-2 can withstand seismic design basis loads without a loss of safety function(s).	a. Type tests, analyses, or a combination of type tests and analyses will be performed on the equipment identified as Seismic Category I in Tables 2.6.8-1 and 2.6.8-2 using analytical assumptions, or under conditions, which bound the Seismic Category I design requirements. b. An inspection will be performed of the as-built equipment identified as Seismic Category I in Tables 2.6.8-1 and 2.6.8-2 to verify that the equipment, including anchorage, are installed in a condition bounded by the tested or analyzed condition.	a. Test/analysis reports conclude that the equipment identified as Seismic Category I in Tables 2.6.8-1 and 2.6.8-2 can withstand seismic design basis loads without a loss of safety function(s). b. Inspection reports conclude that the equipment identified as Seismic Category I in Tables 2.6.8-1 and 2.6.8-2, including anchorage, are installed in a condition bounded by the tested or analyzed condition.
3.5	Deleted.	Deleted.	Deleted.
3.6	Deleted.	Deleted.	Deleted.
3.7	Equipment listed in Table 2.6.8-2 as ASME AG-1 Code are fabricated, installed, inspected, and tested in accordance with ASME AG-1 Code requirements.	An inspection of the as-built construction activities and documentation for ASME AG-1 Code equipment will be conducted.	A report concludes that ASME AG-1 Code equipment listed in Table 2.6.8-2 are fabricated, installed, inspected, and tested in accordance with ASME AG-1 Code requirements.
3.8	Deleted.	Deleted.	Deleted.

Table 2.6.8-4—Containment Building Ventilation System ITAAC
Sheet 3 of 7

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.9	As-built ASME Code Class 2 components listed in Table 2.6.8-1 are reconciled with the design requirements.	A reconciliation analysis of ASME Code Class 2 components will be performed.	ASME Code Design Report(s) exist that meet the requirements of NCA-3550, conclude that the design reconciliation has been completed for as-built ASME Code Class 2 components listed in Table 2.6.8-1, and document that the results of the reconciliation analysis comply with the requirements of ASME Code Section III.
3.10	Pressure-boundary welds in ASME Code Class 2 components listed in Table 2.6.8-1 meet ASME Code Section III non-destructive examination requirements.	An inspection of the as-built pressure-boundary welds in ASME Code Class 2 components will be performed.	ASME Code reports(s) exist that conclude that ASME Code Section III requirements are met for non-destructive examination of pressure-boundary welds in ASME Code Class 2 components listed in Table 2.6.8-1.
3.11	ASME Code Class 2 components listed in Table 2.6.8-1 retain their pressure-boundary integrity at their design pressure.	A hydrostatic test will be conducted on ASME Code Class 2 components that are required to be hydrostatically tested by ASME Code Section III.	ASME Code Data Report(s) exist and conclude that the results of the hydrostatic test of ASME Code Class 2 components listed in Table 2.6.8-1 comply with the requirements of ASME Code Section III.
3.12	ASME Code Class 2 components listed in Table 2.6.8-1 are fabricated, installed, and inspected in accordance with ASME Code Section III requirements.	An inspection of the as-built construction activities and documentation for ASME Code Class 2 components will be conducted.	ASME Code Data Report(s) exist that conclude that ASME Code Class 2 components listed in Table 2.6.8-1 are fabricated, installed, and inspected in accordance with ASME Code Section III requirements.

Table 2.6.8-4—Containment Building Ventilation System ITAAC
Sheet 4 of 7

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.13	ASME Code Class 2 piping systems are designed in accordance with ASME Code Section III requirements.	An inspection of piping design and analysis documentation required by ASME Code Section III will be performed. {{DAC}}	ASME Code Section III Design Report(s) exist that meet the requirements of NCA-3550 and conclude that the design of ASME Code Class 2 piping systems complies with the requirements of ASME Code Section III. {{DAC}}
3.14	Deleted.	Deleted.	Deleted.
3.15	Deleted.	Deleted.	Deleted.
3.16	Deleted.	Deleted.	Deleted.
3.17	Deleted.	Deleted.	Deleted.
4.1	Displays listed in Table 2.6.8-3 are indicated on the PICS operator workstations in the MCR and the RSS.	a. Tests will be performed to verify that the displays listed in Table 2.6.8-3 are indicated on the PICS operator workstations in the MCR. b. Tests will be performed to verify that the displays listed in Table 2.6.8-3 are indicated on the PICS operator workstations in the RSS.	a. Displays listed in Table 2.6.8-3 are indicated on the PICS operator workstations in the MCR. b. Displays listed in Table 2.6.8-3 are indicated on the PICS operator workstations in the RSS.
4.2	Controls on the PICS operator workstations in the MCR and the RSS perform the function listed in Table 2.6.8-3.	a. Tests will be performed using controls on the PICS operator workstations in the MCR. b. Tests will be performed using controls on the PICS operator workstations in the RSS.	a. Controls on the PICS operator workstations in the MCR perform the function listed in Table 2.6.8-3. b. Controls on the PICS operator workstations in the RSS perform the function listed in Table 2.6.8-3.

Table 2.6.8-4—Containment Building Ventilation System ITAAC
Sheet 5 of 7

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
4.3	Equipment listed as being controlled by a PACS module in Table 2.6.8-3 responds to the state requested and provides drive monitoring signals back to the PACS module. The PACS module will protect the equipment by terminating the output command upon the equipment reaching the requested state.	A test will be performed using test input signals to verify equipment controlled by a PACS module responds to the state requested and provides drive monitoring signals back to the PACS module.	Equipment listed as being controlled by a PACS module in Table 2.6.8-3 responds to the state requested and provides drive monitoring signals back to the PACS module. The PACS module will protect the equipment by terminating the output command upon the equipment reaching the requested state.
4.4	Deleted.	Deleted.	Deleted.
5.1	Equipment designated as Class 1E in Table 2.6.8-3 are powered from the Class 1E division as listed in Table 2.6.8-3 in a normal or alternate feed condition.	a. Testing will be performed by providing a test input signal in each normally aligned division. b. Testing will be performed by providing a test input signal in each division with the alternate feed aligned to the divisional pair.	a. The test input signal provided in the normally aligned division is present at the respective Class 1E equipment identified in 2.6.8-3. b. The test input signal provided in each division with the alternate feed aligned to the divisional pair is present at the respective Class 1E equipment identified in 2.6.8-3.
5.2	Deleted.	Deleted.	Deleted.

Table 2.6.8-4—Containment Building Ventilation System ITAAC
Sheet 6 of 7

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
6.1	Equipment designated as harsh environment in Table 2.6.8-3 can perform the function listed in Tables 2.6.8-1 and 2.6.8-2 under normal environmental conditions, containment test conditions, anticipated operational occurrences, and accident and post-accident environmental conditions.	a. Type tests or type tests and analysis will be performed to demonstrate the ability of the equipment designated as harsh environment in Table 2.6.8-3 to perform the function listed in Tables 2.6.8-1 and 2.6.8-2 under normal environmental conditions, containment test conditions, anticipated operational occurrences, and accident and post-accident environmental conditions.	a. EQDPs conclude that the equipment designated as harsh environment in Table 2.6.8-3 can perform the function listed in Tables 2.6.8-1 and 2.6.8-2 under normal environmental conditions, containment test conditions, anticipated operational occurrences, and accident and post-accident environmental conditions, including the time required to perform the listed function.
		b. An inspection will be performed of the as-built equipment designated as harsh environment in Table 2.6.8-3 to verify that the equipment, including the associated cables, wiring, and terminations located in a harsh environment, are bounded by the type test or combination of type tests and analyses.	b. A report exists and concludes that the equipment designated as harsh environment in Table 2.6.8-3, including the associated cables, wiring, and terminations located in a harsh environment, are bounded by the type test or combination of type tests and analyses.
7.1	The CBVS low flow purge exhaust subsystem exhausts through a CBVS iodine filtration train.	Tests will be performed to verify the capability of the low flow purge exhaust subsystem to exhaust through a CBVS iodine filtration train.	The CBVS exhausts through a CBVS iodine filtration train when the CBVS low flow purge exhaust subsystem is operating.

Table 2.6.8-4—Containment Building Ventilation System ITAAC
Sheet 7 of 7

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
7.2	Upon receipt of a signal from the emergency push button located in the fuel handling area inside the Reactor Containment Building, the following actions occur automatically: ● Close CBVS low flow purge subsystem supply air damper to Fuel Building hatch area when the equipment hatch is open. ● Close FBVS exhaust air damper to the area in front of emergency airlock.	A test will be performed to verify that upon receipt of a signal from the emergency push button, the following actions occur automatically: ● Close CBVS low flow purge subsystem supply air damper to Fuel Building hatch area when the equipment hatch is open. ● Close FBVS exhaust air damper to the area in front of emergency airlock.	The following actions occur automatically within 60 seconds after receipt of a signal from the emergency push button: ● Close CBVS low flow purge subsystem supply air damper to Fuel Building hatch area when the equipment hatch is open. ● Close FBVS exhaust air damper to the area in front of emergency airlock.

Next File