

## 2.6.7 Electrical Division of Safeguard Building Ventilation System

### 1.0 Description

The electrical division of safeguard building ventilation system (SBVSE) provides ventilation of the electrical areas of Safeguard Buildings 1, 2, 3, & 4 to control the building ambient conditions for design basis accidents, personnel comfort, and equipment protection. The SBVSE provides cooling, heating, filtration, and ventilation for the electrical areas of the Safeguard Buildings to remove equipment heat and heat generated from other sources. The system is also capable of providing heat to maintain a minimum temperature in the buildings.

The SBVSE provides the following safety-related functions:

- Maintains acceptable ambient conditions for the safety related components in the electrical and I&C rooms of the Safeguard Buildings during accident conditions.
- Maintains acceptable ambient conditions inside the Emergency Feed Water System pump rooms and Component Cooling Water System rooms of the Safeguard Buildings during accident conditions.
- Ventilates the battery rooms and Safety Chilled Water System rooms in the Safeguard Buildings to maintain the hydrogen concentration and the refrigerant concentration below allowable limits during accident conditions.

The SBVSE provides the following non-safety related functions:

- Maintains acceptable ambient conditions in the Safeguard Buildings for equipment operation and personnel comfort during normal plant operation and plant maintenance.
- Ventilates the battery rooms and Safety Chilled Water System rooms in the Safeguard Building to maintain the hydrogen concentration and the refrigerant concentration below allowable limits during normal plant operation and plant maintenance.
- Supplies air to the Safeguard Building Controlled Area Ventilation System (SBVS) during normal plant operation.

### 2.0 Arrangement

2.1 The functional arrangement of the SBVSE is as shown in the following figures:

- Figure 2.6.7-1—Electrical Division of Safeguard Building Ventilation System Division 1 and Division 4 Air Intake Functional Arrangement.
- Figure 2.6.7-2—Electrical Division of Safeguard Building Ventilation System Division 1 and Division 4 Air Supply and Exhaust Functional Arrangement.
- Figure 2.6.7-3—Electrical Division of Safeguard Building Ventilation System

Division 2 and Division 3 Air Intake Functional Arrangement.

- Figure 2.6.7-4—Electrical Division of Safeguard Building Ventilation System Division 2 and Division 3 Air Supply and Exhaust Functional Arrangement.

2.2 The location of the SBVSE equipment is as listed in Table 2.6.7-1—Electrical Division of Safeguard Building Ventilation System Equipment Mechanical Design.

2.3 Physical separation exists between the safety- related trains of the SBVSE.

### 3.0 Mechanical Design Features

3.1 Equipment listed in the Table 2.6.7-1 as ASME AG-1 is designed, installed, and tested per ASME AG-1.

3.2 Equipment listed in Table 2.6.7-1 performs the functions listed in Table 2.6.7-1.

3.3 Equipment identified as Seismic Category I in Table 2.6.7-1 can withstand seismic design basis loads without loss of safety function as listed in Table 2.6.7-1.

### 4.0 Displays and Controls

4.1 Displays listed in Table 2.6.7-2—Electrical Division of Safeguard Building Ventilation System Equipment I&C and Electrical Design, are retrievable in the main control room (MCR) and the remote shutdown station (RSS) as listed.

4.2 The SBVSE equipment controls exist in the MCR and RSS as listed in Table 2.6.7-2.

4.3 Equipment listed as being controlled by a priority and actuator control system (PACS) module in Table 2.6.7-2 responds to the state requested by a test signal.

### 5.0 Electrical Power Design Features

5.1 The equipment designated as Class 1E in Table 2.6.7-2 are powered from the Class 1E division as listed in Table 2.6.7-2 in a normal or alternate feed condition.

5.2 Motor operated dampers listed in Table 2.6.7-2 fail to the position as shown in Table 2.6.7-2 on loss of power.

### 6.0 Equipment and System Performance

6.1 The SBVSE automatically maintains ambient conditions by recirculation airflow and exhaust airflow within the Safeguard Buildings depending on the outside air temperature.

6.2 The recirculation cooling units start and stop automatically in the emergency feedwater system and the component cooling water system pump rooms when the room temperature reaches preset maximum and minimum temperatures in the pump rooms.

### 7.0 Inspections, Tests, Analyses and Acceptance Criteria (ITAAC)

Table 2.6.7-3 lists the SBVSE ITAAC.

**Table 2.6.7-1—Electrical Division of Safeguard Building Ventilation System Equipment  
Mechanical Design (7 Sheets)**

| Equipment Description  | Equipment Tag Number <sup>(1)</sup> | Equipment Location                           | ASME AG-1 Code | Function                               | Seismic Category |
|--|-------------------------------------|--|----------------|--|------------------|
| <b>Air intake<br/>Safeguard Building Division 1 and Division 4</b> |                                     |  |                |  |                  |
| Pressure wave protection dampers                                   | 30SAC01 AA001<br>30SAC04 AA001      | Safeguard Building 1<br>Safeguard Building 4 | Yes            | N/A                                    | I                |
| Electric heaters   | 30SAC01 AH001<br>30SAC04 AH001      | Safeguard Building 1<br>Safeguard Building 4 | Yes            | N/A                                    | I                |
| Manual isolation dampers   | 30SAC01 AA002<br>30SAC04 AA002      | Safeguard Building 1<br>Safeguard Building 4 | Yes            | N/A                                    | I                |
| Motor operated dampers   | 30SAC01 AA003<br>30SAC04 AA003      | Safeguard Building 1<br>Safeguard Building 4 | Yes            | Open                                   | I                |
| Motor operated dampers   | 30SAC01 AA004<br>30SAC04 AA004      | Safeguard Building 1<br>Safeguard Building 4 | Yes            | Open                                   | I                |
| Pre-filters  | 30SAC01 AT004<br>30SAC04 AT004      | Safeguard Building 1<br>Safeguard Building 4 | Yes            | N/A                                    | I                |
| Roughing filters   | 30SAC01 AT005<br>30SAC04 AT005      | Safeguard Building 1<br>Safeguard Building 4 | Yes            | N/A                                    | I                |
| Electric heaters   | 30SAC01 AH002<br>30SAC04 AH002      | Safeguard Building 1<br>Safeguard Building 4 | Yes            | On / Off (based on ambient conditions) | I                |
| Air cooling coils  | 30SAC01 AC001<br>30SAC04 AC001      | Safeguard Building 1<br>Safeguard Building 4 | Yes            | N/A                                    | I                |
| Moisture separators  | 30SAC01 AT006<br>30SAC04 AT006      | Safeguard Building 1<br>Safeguard Building 4 | Yes            | N/A                                    | I                |
| Supply air fans  | 30SAC01 AN001<br>30SAC04 AN001      | Safeguard Building 1<br>Safeguard Building 4 | Yes            | Run                                    | I                |

**Table 2.6.7-1—Electrical Division of Safeguard Building Ventilation System Equipment  
Mechanical Design (7 Sheets)**

| <b>Equipment Description</b>                                       | <b>Equipment Tag Number <sup>(1)</sup></b>                       | <b>Equipment Location</b>  | <b>ASME AG-1 Code</b> | <b>Function</b> | <b>Seismic Category</b> |
|--|--|--|-----------------------|-----------------|-------------------------|
| Humidifiers  | 30SAC01 AT007<br>30SAC01 AT008<br>30SAC04 AT007<br>30SAC04 AT008 | Safeguard Building 1<br>Safeguard Building 1<br>Safeguard Building 4<br>Safeguard Building 4 | Yes                   | N/A             | I                       |
| Backdraft dampers  | 30SAC01 AA005<br>30SAC04 AA005                                   | Safeguard Building 1<br>Safeguard Building 4   | Yes                   | N/A             | I                       |
| Manual dampers   | 30SAC11 AA001<br>30SAC14 AA001                                   | Safeguard Building 1<br>Safeguard Building 4   | Yes                   | N/A             | I                       |
| Manual dampers   | 30SAC11 AA004<br>30SAC14 AA004                                   | Safeguard Building 1<br>Safeguard Building 4   | Yes                   | N/A             | I                       |
| Manual dampers   | 30SAC11 AA005<br>30SAC14 AA005                                   | Safeguard Building 1<br>Safeguard Building 4   | Yes                   | N/A             | I                       |
| Manual dampers   | 30SAC11 AA003<br>30SAC14 AA003                                   | Safeguard Building 1<br>Safeguard Building 4   | Yes                   | N/A             | I                       |
| <b>Air Intake<br/>Safeguard Building Division 2 and Division 3</b> |  |  |                       |                 |                         |
| Pressure wave protection dampers                                   | 30SAC02 AA001<br>30SAC03 AA001                                   | Safeguard Building 2<br>Safeguard Building 3   | Yes                   | N/A             | I                       |
| Electric heaters   | 30SAC02 AH001<br>30SAC03 AH001                                   | Safeguard Building 2<br>Safeguard Building 3   | Yes                   | N/A             | I                       |
| Manual dampers   | 30SAC02 AA002<br>30SAC03 AA002                                   | Safeguard Building 2<br>Safeguard Building 3   | Yes                   | N/A             | I                       |
| Motor operated dampers   | 30SAC02 AA003<br>30SAC03 AA003                                   | Safeguard Building 2<br>Safeguard Building 3   | Yes                   | Open            | I                       |
| Motor operated dampers   | 30SAC02 AA004<br>30SAC03 AA004                                   | Safeguard Building 2<br>Safeguard Building 3   | Yes                   | Open            | I                       |

**Table 2.6.7-1—Electrical Division of Safeguard Building Ventilation System Equipment  
Mechanical Design (7 Sheets)**

| <b>Equipment Description</b>                                  | <b>Equipment Tag Number <sup>(1)</sup></b>                       | <b>Equipment Location</b>  | <b>ASME AG-1 Code</b> | <b>Function</b>                        | <b>Seismic Category</b> |
|---|--|--|-----------------------|--|-------------------------|
| Pre- filters  | 30SAC02 AT004<br>30SAC03 AT004                                   | Safeguard Building 2<br>Safeguard Building 3   | Yes                   | N/A                                    | I                       |
| Roughing filters  | 30SAC02 AT005<br>30SAC03 AT005                                   | Safeguard Building 2<br>Safeguard Building 3   | Yes                   | N/A                                    | I                       |
| Electric heaters  | 30SAC02 AH002<br>30SAC03 AH002                                   | Safeguard Building 2<br>Safeguard Building 3   | Yes                   | On / Off (based on ambient conditions) | I                       |
| Air cooling coils   | 30SAC02 AC001<br>30SAC03 AC001                                   | Safeguard Building 2<br>Safeguard Building 3   | Yes                   | N/A                                    | I                       |
| Moisture separators   | 30SAC02 AT006<br>30SAC03 AT006                                   | Safeguard Building 2<br>Safeguard Building 3   | Yes                   | N/A                                    | I                       |
| Supply air fans   | 30SAC02 AN001<br>30SAC03 AN001                                   | Safeguard Building 2<br>Safeguard Building 3   | Yes                   | Run                                    | I                       |
| Backdraft dampers   | 30SAC02 AA005<br>30SAC03 AA005                                   | Safeguard Building 2<br>Safeguard Building 3   | Yes                   | N/A                                    | I                       |
| Humidifiers   | 30SAC02 AT007<br>30SAC02 AT008<br>30SAC03 AT007<br>30SAC03 AT008 | Safeguard Building 2<br>Safeguard Building 2<br>Safeguard Building 3<br>Safeguard Building 3 | Yes                   | N/A                                    | I                       |
| Manual dampers  | 30SAC12 AA001<br>30SAC13 AA001                                   | Safeguard Building 2<br>Safeguard Building 3   | Yes                   | N/A                                    | I                       |
| Manual dampers  | 30SAC12 AA005<br>30SAC13 AA005                                   | Safeguard Building 2<br>Safeguard Building 3   | Yes                   | N/A                                    | I                       |
| <b>Exhaust Train<br/>Safeguard Building Divisions 1 and 4</b> |  |  |                       |  |                         |
| Manual dampers  | 30SAC31 AA001<br>30SAC34 AA001                                   | Safeguard Building 1<br>Safeguard Building 4   | Yes                   | N/A                                    | I                       |

**Table 2.6.7-1—Electrical Division of Safeguard Building Ventilation System Equipment  
Mechanical Design (7 Sheets)**

| <b>Equipment Description</b>                                  | <b>Equipment Tag Number <sup>(1)</sup></b> | <b>Equipment Location</b>                    | <b>ASME AG-1 Code</b> | <b>Function</b> | <b>Seismic Category</b> |
|---|--|--|-----------------------|-----------------|-------------------------|
| Exhaust Fans  | 30SAC31 AN001<br>30SAC34 AN001             | Safeguard Building 1<br>Safeguard Building 4 | Yes                   | Run             | I                       |
| Motor operated dampers  | 30SAC31 AA002<br>30SAC34 AA002             | Safeguard Building 1<br>Safeguard Building 4 | Yes                   | Open            | I                       |
| Backdraft dampers   | 30SAC31 AA003<br>30SAC34 AA003             | Safeguard Building 1<br>Safeguard Building 4 | Yes                   | N/A             | I                       |
| Manual dampers  | 30SAC31 AA004<br>30SAC34 AA004             | Safeguard Building 1<br>Safeguard Building 4 | Yes                   | N/A             | I                       |
| Pressure wave protection dampers                              | 30SAC21 AA020<br>30SAC24 AA020             | Safeguard Building 1<br>Safeguard Building 4 | Yes                   | N/A             | I                       |
| Manual dampers  | 30SAC35 AA001<br>30SAC38 AA001             | Safeguard Building 1<br>Safeguard Building 4 | Yes                   | N/A             | I                       |
| Manual dampers  | 30SAC35 AA004<br>30SAC38 AA004             | Safeguard Building 1<br>Safeguard Building 4 | Yes                   | N/A             | I                       |
| <b>Exhaust Train<br/>Safeguard Building Divisions 2 and 3</b> |  |  |                       |                 |                         |
| Manual dampers  | 30SAC32 AA001<br>30SAC33 AA001             | Safeguard Building 2<br>Safeguard Building 3 | Yes                   | N/A             | I                       |
| Exhaust Fans  | 30SAC32 AN001<br>30SAC33 AN001             | Safeguard Building 2<br>Safeguard Building 3 | Yes                   | Run             | I                       |
| Motor operated dampers  | 30SAC32 AA002<br>30SAC33 AA002             | Safeguard Building 2<br>Safeguard Building 3 | Yes                   | Open            | I                       |
| Backdraft dampers   | 30SAC32 AA003<br>30SAC33 AA003             | Safeguard Building 2<br>Safeguard Building 3 | Yes                   | N/A             | I                       |

**Table 2.6.7-1—Electrical Division of Safeguard Building Ventilation System Equipment  
Mechanical Design (7 Sheets)**

| <b>Equipment Description</b>   | <b>Equipment Tag Number <sup>(1)</sup></b>                       | <b>Equipment Location</b>  | <b>ASME AG-1 Code</b> | <b>Function</b> | <b>Seismic Category</b> |
|--|--|--|-----------------------|-----------------|-------------------------|
| Manual dampers   | 30SAC32 AA004<br>30SAC33 AA004                                   | Safeguard Building 2<br>Safeguard Building 3   | Yes                   | N/A             | I                       |
| Pressure wave protection dampers   | 30SAC22 AA030<br>30SAC23 AA030                                   | Safeguard Building 2<br>Safeguard Building 3   | Yes                   | N/A             | I                       |
| Manual dampers   | 30SAC22 AA001<br>30SAC23 AA001                                   | Safeguard Building 2<br>Safeguard Building 3   | Yes                   | N/A             | I                       |
| <b>Battery / Safety Chilled Water Room Exhaust Train<br/>Safeguard Building Divisions 1, 2, 3, and 4</b> |  |  |                       |                 |                         |
| Manual dampers   | 30SAC51 AA001<br>30SAC52 AA001<br>30SAC53 AA001<br>30SAC54 AA001 | Safeguard Building 1<br>Safeguard Building 2<br>Safeguard Building 3<br>Safeguard Building 4 | Yes                   | N/A             | I                       |
| Exhaust air fans   | 30SAC51 AN001<br>30SAC52 AN001<br>30SAC53 AN001<br>30SAC54 AN001 | Safeguard Building 1<br>Safeguard Building 2<br>Safeguard Building 3<br>Safeguard Building 4 | Yes                   | Run             | I                       |
| Backdraft dampers  | 30SAC51 AA002<br>30SAC52 AA002<br>30SAC53 AA002<br>30SAC54 AA002 | Safeguard Building 1<br>Safeguard Building 2<br>Safeguard Building 3<br>Safeguard Building 4 | Yes                   | N/A             | I                       |
| Motor operated dampers   | 30SAC51 AA003<br>30SAC52 AA003<br>30SAC53 AA003<br>30SAC54 AA003 | Safeguard Building 1<br>Safeguard Building 2<br>Safeguard Building 3<br>Safeguard Building 4 | Yes                   | Open            | I                       |

**Table 2.6.7-1—Electrical Division of Safeguard Building Ventilation System Equipment  
Mechanical Design (7 Sheets)**

| <b>Equipment Description</b>   | <b>Equipment Tag Number <sup>(1)</sup></b>   | <b>Equipment Location</b>  | <b>ASME AG-1 Code</b> | <b>Function</b> | <b>Seismic Category</b> |
|--|--|--|-----------------------|-----------------|-------------------------|
| Manual dampers   | 30SAC51 AA004<br>30SAC52 AA004<br>30SAC53 AA004<br>30SAC54 AA004   | Safeguard Building 1<br>Safeguard Building 2<br>Safeguard Building 3<br>Safeguard Building 4   | Yes                   | N/A             | I                       |
| Motor operated dampers   | 30SAC51 AA006<br>30SAC52 AA006<br>30SAC53 AA006<br>30SAC54 AA006   | Safeguard Building 1<br>Safeguard Building 2<br>Safeguard Building 3<br>Safeguard Building 4   | Yes                   | Open            | I                       |
| <b>Recirculation Cooling Units<br/>Safeguard Building Divisions 1, 2, 3, and 4</b> |  |  |                       |                 |                         |
| Air cooling coils  | 30SAC61 AC001<br>30SAC61 AC002<br>30SAC62 AC001<br>30SAC62 AC002<br>30SAC63 AC001<br>30SAC63 AC002<br>30SAC64 AC001<br>30SAC64 AC002 | Safeguard Building 1<br>Safeguard Building 1<br>Safeguard Building 2<br>Safeguard Building 2<br>Safeguard Building 3<br>Safeguard Building 3<br>Safeguard Building 4<br>Safeguard Building 4 | Yes                   | N/A             | I                       |
| Moisture separators  | 30SAC61 AT001<br>30SAC61 AT002<br>30SAC62 AT001<br>30SAC62 AT002<br>30SAC63 AT001<br>30SAC63 AT002<br>30SAC64 AT001<br>30SAC64 AT002 | Safeguard Building 1<br>Safeguard Building 1<br>Safeguard Building 2<br>Safeguard Building 2<br>Safeguard Building 3<br>Safeguard Building 3<br>Safeguard Building 4<br>Safeguard Building 4 | Yes                   | N/A             | I                       |



**Table 2.6.7-1—Electrical Division of Safeguard Building Ventilation System Equipment  
Mechanical Design (7 Sheets)**

| <b>Equipment Description</b> | <b>Equipment Tag Number <sup>(1)</sup></b> | <b>Equipment Location</b> | <b>ASME AG-1 Code</b> | <b>Function</b> | <b>Seismic Category</b> |
|------------------------------|--|---------------------------|-----------------------|-----------------|-------------------------|
| Recirculation Fans           | 30SAC61 AN001                              | Safeguard Building 1      | Yes                   | Run             | I                       |
|                              | 30SAC61 AN02                               | Safeguard Building 1      |                       |                 |                         |
|                              | 30SAC62 AN001                              | Safeguard Building 2      |                       |                 |                         |
|                              | 30SAC62 AN002                              | Safeguard Building 2      |                       |                 |                         |
|                              | 30SAC63 AN001                              | Safeguard Building 3      |                       |                 |                         |
|                              | 30SAC63 AN002                              | Safeguard Building 3      |                       |                 |                         |
|                              | 30SAC64 AN001                              | Safeguard Building 4      |                       |                 |                         |
|                              | 30SAC64 AN002                              | Safeguard Building 4      |                       |                 |                         |

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

**Table 2.6.7-2—Electrical Division of Safeguard Building Ventilation System Equipment I&C and Electrical Design (9 Sheets)**

| Equipment Description                           | Equipment Tag Number <sup>(1)</sup> | Equipment Location   | IEEE Class 1E Source <sup>(2)</sup>                | Failure Position | PACS | MCR / RSS Displays  | MCR / RSS Controls      |
|---|-------------------------------------|----------------------|--|------------------|------|---------------------|-------------------------|
| <b>Air Intake Safeguard Building Division 1</b> |                                     |                      |  |                  |      |                     |                         |
| Electric Heater                                 | 30SAC01AH001                        | Safeguard Building 1 | N/A  | N/A              | Yes  | On-Off / On-Off     | Start-Stop / Start-Stop |
| Motor operated damper                           | 30SAC01AA003                        | Safeguard Building 1 | Division 1 <sup>N</sup><br>Division 2 <sup>A</sup> | Close            | Yes  | Position / Position | Open-Close / Open-Close |
| Motor operated damper                           | 30SAC01AA004                        | Safeguard Building 1 | Division 1 <sup>N</sup><br>Division 2 <sup>A</sup> | Close            | Yes  | Position / Position | Open-Close / Open-Close |
| Electric heater                                 | 30SAC01AH002                        | Safeguard Building 1 | Division 1 <sup>N</sup>                            | N/A              | Yes  | On-Off / On-Off     | Start-Stop / Start-Stop |
| Supply air fan                                  | 30SAC01AN001                        | Safeguard Building 1 | Division 1 <sup>N</sup><br>Division 2 <sup>A</sup> | N/A              | Yes  | On-Off / On-Off     | Run-Stop / Run-Stop     |
| <b>Air Intake Safeguard Building Division 2</b> |                                     |                      |  |                  |      |                     |                         |
| Electric Heater                                 | 30SAC02AH001                        | Safeguard Building 2 | N/A  | N/A              | Yes  | On-Off / On-Off     | Start-Stop / Start-Stop |
| Motor operated damper                           | 30SAC02AA003                        | Safeguard Building 2 | Division 2 <sup>N</sup><br>Division 1 <sup>A</sup> | Close            | Yes  | Position / Position | Open-Close / Open-Close |
| Motor operated damper                           | 30SAC02AA004                        | Safeguard Building 2 | Division 2 <sup>N</sup><br>Division 1 <sup>A</sup> | Close            | Yes  | Position / Position | Open-Close / Open-Close |
| Electric heater                                 | 30SAC02AH002                        | Safeguard Building 2 | Division 2 <sup>N</sup>                            | N/A              | Yes  | On-Off / On-Off     | Start-Stop / Start-Stop |
| Supply air fan                                  | 30SAC02AN001                        | Safeguard Building 2 | Division 2 <sup>N</sup><br>Division 1 <sup>A</sup> | N/A              | yes  | On-Off / On-Off     | Run-Stop / Run-Stop     |
| <b>Air Intake Safeguard Building Division 3</b> |                                     |                      |  |                  |      |                     |                         |
| Electric Heater                                 | 30SAC03AH001                        | Safeguard Building 3 | N/A  | N/A              | Yes  | On-Off / On-Off     | Start-Stop / Start-Stop |

**Table 2.6.7-2—Electrical Division of Safeguard Building Ventilation System Equipment I&C and Electrical Design (9 Sheets)**

| <b>Equipment Description</b>                        | <b>Equipment Tag Number<sup>(1)</sup></b> | <b>Equipment Location</b> | <b>IEEE Class 1E Source<sup>(2)</sup></b>          | <b>Failure Position</b> | <b>PACS</b> | <b>MCR / RSS Displays</b> | <b>MCR / RSS Controls</b> |
|---|---|---------------------------|--|-------------------------|-------------|---------------------------|---------------------------|
| Motor operated damper                               | 30SAC03AA003                              | Safeguard Building 3      | Division 3 <sup>N</sup><br>Division 4 <sup>A</sup> | Close                   | Yes         | Position / Position       | Open-Close / Open-Close   |
| Motor operated damper                               | 30SAC03AA004                              | Safeguard Building 3      | Division 3 <sup>N</sup><br>Division 4 <sup>A</sup> | Close                   | Yes         | Position / Position       | Open-Close / Open-Close   |
| Electric heater                                     | 30SAC03AH002                              | Safeguard Building 3      | Division 3 <sup>N</sup>                            | N/A                     | Yes         | On-Off / On-Off           | Start-Stop / Start-Stop   |
| Supply air fan                                      | 30SAC03AN001                              | Safeguard Building 3      | Division 3 <sup>N</sup><br>Division 4 <sup>A</sup> | N/A                     | Yes         | On-Off / On-Off           | Run-Stop / Run-Stop       |
| <b>Air Intake Safeguard Building Division 4</b>     |   |                           |  |                         |             |                           |                           |
| Electric Heater                                     | 30SAC04AH001                              | Safeguard Building 4      | N/A  | N/A                     | Yes         | On-Off / On-Off           | Start-Stop / Start-Stop   |
| Motor operated damper                               | 30SAC04AA003                              | Safeguard Building 4      | Division 4 <sup>N</sup><br>Division 3 <sup>A</sup> | Close                   | Yes         | Position / Position       | Open-Close / Open-Close   |
| Motor operated damper                               | 30SAC04AA004                              | Safeguard Building 4      | Division 4 <sup>N</sup><br>Division 3 <sup>A</sup> | Close                   | Yes         | Position / Position       | Open-Close / Open-Close   |
| Electric heater                                     | 30SAC04AH002                              | Safeguard Building 4      | Division 4 <sup>N</sup>                            | N/A                     | Yes         | On-Off / On-Off           | Start-Stop / Start-Stop   |
| Supply air fan                                      | 30SAC04AN001                              | Safeguard Building 4      | Division 4 <sup>N</sup><br>Division 3 <sup>A</sup> | N/A                     | Yes         | On-Off / On-Off           | Run-Stop / Run-Stop       |
| <b>Exhaust Train, Safeguard Building Division 1</b> |   |                           |  |                         |             |                           |                           |
| Exhaust Fan   | 30SAC31AN001                              | Safeguard Building 1      | Division 1 <sup>N</sup><br>Division 2 <sup>A</sup> | N/A                     | Yes         | On-Off / On-Off           | Run-Stop / Run-Stop       |
| Motor operated damper                               | 30SAC31AA002                              | Safeguard Building 1      | Division 1 <sup>N</sup><br>Division 2 <sup>A</sup> | Close                   | Yes         | Position / Position       | Open-Close / Open-Close   |

**Table 2.6.7-2—Electrical Division of Safeguard Building Ventilation System Equipment I&C and Electrical Design (9 Sheets)**

| Equipment Description                               | Equipment Tag Number <sup>(1)</sup> | Equipment Location   | IEEE Class 1E Source <sup>(2)</sup>                | Failure Position | PACS | MCR / RSS Displays  | MCR / RSS Controls      |
|---|-------------------------------------|----------------------|--|------------------|------|---------------------|-------------------------|
| Exhaust Fan   | 30SAC51AN001                        | Safeguard Building 1 | Division 1 <sup>N</sup><br>Division 2 <sup>A</sup> | N/A              | Yes  | On-Off / On-Off     | Run-Stop / Run-Stop     |
| Motor operated damper                               | 30SAC51AA003                        | Safeguard Building 1 | Division 1 <sup>N</sup><br>Division 2 <sup>A</sup> | Close            | Yes  | Position / Position | Open-Close / Open-Close |
| <b>Exhaust Train, Safeguard Building Division 2</b> |                                     |                      |  |                  |      |                     |                         |
| Exhaust Fan   | 30SAC32AN001                        | Safeguard Building 2 | Division 2 <sup>N</sup><br>Division 1 <sup>A</sup> | N/A              | Yes  | On-Off / On-Off     | Run-Stop / Run-Stop     |
| Motor operated damper                               | 30SAC32AA002                        | Safeguard Building 2 | Division 2 <sup>N</sup><br>Division 1 <sup>A</sup> | Close            | Yes  | Position / Position | Open-Close / Open-Close |
| Exhaust Fan   | 30SAC52AN001                        | Safeguard Building 2 | Division 2 <sup>N</sup><br>Division 1 <sup>A</sup> | N/A              | Yes  | On-Off / On-Off     | Run-Stop / Run-Stop     |
| Motor operated damper                               | 30SAC52AA003                        | Safeguard Building 2 | Division 2 <sup>N</sup><br>Division 1 <sup>A</sup> | Close            | Yes  | Position / Position | Open-Close / Open-Close |
| <b>Exhaust Train, Safeguard Building Division 3</b> |                                     |                      |  |                  |      |                     |                         |
| Exhaust Fan   | 30SAC33AN001                        | Safeguard Building 3 | Division 3 <sup>N</sup><br>Division 4 <sup>A</sup> | N/A              | Yes  | On-Off / On-Off     | Run-Stop / Run-Stop     |
| Motor operated damper                               | 30SAC33AA002                        | Safeguard Building 3 | Division 3 <sup>N</sup><br>Division 4 <sup>A</sup> | Close            | Yes  | Position / Position | Open-Close / Open-Close |
| Exhaust Fan   | 30SAC53AN001                        | Safeguard Building 3 | Division 3 <sup>N</sup><br>Division 4 <sup>A</sup> | N/A              | Yes  | On-Off / On-Off     | Run-Stop / Run-Stop     |
| Motor operated damper                               | 30SAC53AA003                        | Safeguard Building 3 | Division 3 <sup>N</sup><br>Division 4 <sup>A</sup> | Close            | Yes  | Position / Position | Open-Close / Open-Close |
| <b>Exhaust Train, Safeguard Building Division 4</b> |                                     |                      |  |                  |      |                     |                         |
| Exhaust Fan   | 30SAC34AN001                        | Safeguard Building 4 | Division 4 <sup>N</sup><br>Division 3 <sup>A</sup> | N/A              | Yes  | On-Off / On-Off     | Run-Stop / Run-Stop     |

**Table 2.6.7-2—Electrical Division of Safeguard Building Ventilation System Equipment I&C and Electrical Design (9 Sheets)**

| Equipment Description   | Equipment Tag Number <sup>(1)</sup> | Equipment Location   | IEEE Class 1E Source <sup>(2)</sup>                | Failure Position | PACS | MCR / RSS Displays  | MCR / RSS Controls      |
|---|-------------------------------------|----------------------|--|------------------|------|---------------------|-------------------------|
| Motor operated damper   | 30SAC34AA002                        | Safeguard Building 4 | Division 4 <sup>N</sup><br>Division 3 <sup>A</sup> | Close            | Yes  | Position / Position | Open-Close / Open-Close |
| Exhaust Fan   | 30SAC54AN001                        | Safeguard Building 4 | Division 4 <sup>N</sup><br>Division 3 <sup>A</sup> | N/A              | Yes  | On-Off / On-Off     | Run-Stop / Run-Stop     |
| Motor operated damper   | 30SAC54AA003                        | Safeguard Building 4 | Division 4 <sup>N</sup><br>Division 3 <sup>A</sup> | Close            | Yes  | Position / Position | Open-Close / Open-Close |
| <b>Recirculation Cooling Units, Safeguard Building Divisions 1, 2, 3, and 4</b> |                                     |                      |  |                  |      |                     |                         |
| Recirculation Fan   | 30SAC61AN001                        | Safeguard Building 1 | Division 1 <sup>N</sup><br>Division 2 <sup>A</sup> | N/A              | Yes  | On-Off / On-Off     | Run-Stop / Run-Stop     |
| Recirculation Fan   | 30SAC61AN002                        | Safeguard Building 1 | Division 1 <sup>N</sup><br>Division 2 <sup>A</sup> | N/A              | Yes  | On-Off / On-Off     | Run-Stop / Run-Stop     |
| Recirculation Fan   | 30SAC62AN001                        | Safeguard Building 2 | Division 2 <sup>N</sup><br>Division 1 <sup>A</sup> | N/A              | N/A  | On-Off / On-Off     | Run-Stop / Run-Stop     |
| Recirculation Fan   | 30SAC62AN002                        | Safeguard Building 2 | Division 2 <sup>N</sup><br>Division 1 <sup>A</sup> | N/A              | N/A  | On-Off / On-Off     | Run-Stop / Run-Stop     |
| Recirculation Fan   | 30SAC63AN001                        | Safeguard Building 3 | Division 3 <sup>N</sup><br>Division 4 <sup>A</sup> | N/A              | N/A  | On-Off / On-Off     | Run-Stop / Run-Stop     |
| Recirculation Fan   | 30SAC63AN002                        | Safeguard Building 3 | Division 3 <sup>N</sup><br>Division 4 <sup>A</sup> | N/A              | N/A  | On-Off / On-Off     | Run-Stop / Run-Stop     |
| Recirculation Fan   | 30SAC64AN001                        | Safeguard Building 4 | Division 4 <sup>N</sup><br>Division 3 <sup>A</sup> | N/A              | N/A  | On-Off / On-Off     | Run-Stop / Run-Stop     |
| Recirculation Fan   | 30SAC64AN002                        | Safeguard Building 4 | Division 4 <sup>N</sup><br>Division 3 <sup>A</sup> | N/A              | N/A  | On-Off / On-Off     | Run-Stop / Run-Stop     |

**Table 2.6.7-2—Electrical Division of Safeguard Building Ventilation System Equipment I&C and Electrical Design (9 Sheets)**

| <b>Equipment Description</b> | <b>Equipment Tag Number<sup>(1)</sup></b> | <b>Equipment Location</b> | <b>IEEE Class 1E Source<sup>(2)</sup></b> | <b>Failure Position</b> | <b>PACS</b> | <b>MCR / RSS Displays</b> | <b>MCR / RSS Controls</b> |
|------------------------------|---|---------------------------|---|-------------------------|-------------|---------------------------|---------------------------|
| <b>Instruments</b>           |   |                           |   |                         |             |                           |                           |
| Battery room temperature     | 30SAC11CT002                              | Safeguard Building 1      | Division 1                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Battery room temperature     | 30SAC11CT005                              | Safeguard Building 1      | Division 1                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Battery room temperature     | 30SAC12CT002                              | Safeguard Building 2      | Division 2                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Battery room temperature     | 30SAC13CT002                              | Safeguard Building 3      | Division 3                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Battery room temperature     | 30SAC14CT002                              | Safeguard Building 4      | Division 4                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Battery room temperature     | 30SAC14CT005                              | Safeguard Building 4      | Division 4                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| I&C cabinet room temperature | 30SAC11CT003                              | Safeguard Building 1      | Division 1                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| I&C cabinet room temperature | 30SAC12CT003                              | Safeguard Building 2      | Division 2                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| I&C cabinet room temperature | 30SAC13CT003                              | Safeguard Building 3      | Division 3                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| I&C cabinet room temperature | 30SAC14CT003                              | Safeguard Building 4      | Division 4                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Switchgear room temperature  | 30SAC11CT006                              | Safeguard Building 1      | Division 1                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Switchgear room temperature  | 30SAC12CT006                              | Safeguard Building 2      | Division 2                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |

**Table 2.6.7-2—Electrical Division of Safeguard Building Ventilation System Equipment I&C and Electrical Design (9 Sheets)**

| <b>Equipment Description</b>           | <b>Equipment Tag Number<sup>(1)</sup></b> | <b>Equipment Location</b> | <b>IEEE Class 1E Source<sup>(2)</sup></b> | <b>Failure Position</b> | <b>PACS</b> | <b>MCR / RSS Displays</b> | <b>MCR / RSS Controls</b> |
|--|---|---------------------------|---|-------------------------|-------------|---------------------------|---------------------------|
| Switchgear room temperature            | 30SAC12CT007                              | Safeguard Building 2      | Division 2                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Switchgear room temperature            | 30SAC13CT006                              | Safeguard Building 3      | Division 3                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Switchgear room temperature            | 30SAC13CT007                              | Safeguard Building 3      | Division 3                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Switchgear room temperature            | 30SAC14CT006                              | Safeguard Building 4      | Division 4                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Switchgear room return air temperature | 30SAC21CT001                              | Safeguard Building 1      | Division 1                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Switchgear room return air temperature | 30SAC21CT002                              | Safeguard Building 1      | Division 1                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Switchgear room return air temperature | 30SAC22CT001                              | Safeguard Building 2      | Division 2                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Switchgear room return air temperature | 30SAC22CT002                              | Safeguard Building 2      | Division 2                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Switchgear room return air temperature | 30SAC23CT001                              | Safeguard Building 3      | Division 3                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Switchgear room return air temperature | 30SAC23CT002                              | Safeguard Building 3      | Division 3                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |

**Table 2.6.7-2—Electrical Division of Safeguard Building Ventilation System Equipment I&C and Electrical Design (9 Sheets)**

| <b>Equipment Description</b>              | <b>Equipment Tag Number<sup>(1)</sup></b> | <b>Equipment Location</b> | <b>IEEE Class 1E Source<sup>(2)</sup></b> | <b>Failure Position</b> | <b>PACS</b> | <b>MCR / RSS Displays</b> | <b>MCR / RSS Controls</b> |
|---|---|---------------------------|---|-------------------------|-------------|---------------------------|---------------------------|
| Switchgear room return air temperature    | 30SAC24CT001                              | Safeguard Building 4      | Division 4                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Switchgear room return air temperature    | 30SAC24CT002                              | Safeguard Building 4      | Division 4                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Emergency Feedwater pump room temperature | 30SAC61CT001                              | Safeguard Building 1      | Division 1                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Emergency Feedwater pump room temperature | 30SAC61CT002                              | Safeguard Building 1      | Division 1                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Emergency Feedwater pump room temperature | 30SAC62CT001                              | Safeguard Building 2      | Division 2                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Emergency Feedwater pump room temperature | 30SAC62CT002                              | Safeguard Building 2      | Division 2                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Emergency Feedwater pump room temperature | 30SAC63CT001                              | Safeguard Building 3      | Division 3                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Emergency Feedwater pump room temperature | 30SAC63CT002                              | Safeguard Building 3      | Division 3                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Emergency Feedwater pump room temperature | 30SAC64CT001                              | Safeguard Building 4      | Division 4                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |



**Table 2.6.7-2—Electrical Division of Safeguard Building Ventilation System Equipment I&C and Electrical Design (9 Sheets)**

| <b>Equipment Description</b>                         | <b>Equipment Tag Number<sup>(1)</sup></b> | <b>Equipment Location</b> | <b>IEEE Class 1E Source<sup>(2)</sup></b> | <b>Failure Position</b> | <b>PACS</b> | <b>MCR / RSS Displays</b> | <b>MCR / RSS Controls</b> |
|--|---|---------------------------|---|-------------------------|-------------|---------------------------|---------------------------|
| Emergency Feedwater pump room temperature            | 30SAC64CT002                              | Safeguard Building 4      | Division 4                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Component Cooling Water system pump room temperature | 30SAC61CT003                              | Safeguard Building 1      | Division 1                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Component Cooling Water system pump room temperature | 30SAC61CT004                              | Safeguard Building 1      | Division 1                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Component Cooling Water system pump room temperature | 30SAC62CT003                              | Safeguard Building 2      | Division 2                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Component Cooling Water system pump room temperature | 30SAC62CT004                              | Safeguard Building 2      | Division 2                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Component Cooling Water system pump room temperature | 30SAC63CT003                              | Safeguard Building 3      | Division 3                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Component Cooling Water system pump room temperature | 30SAC63CT004                              | Safeguard Building 3      | Division 3                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Component Cooling Water system pump room temperature | 30SAC64CT003                              | Safeguard Building 4      | Division 4                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |
| Component Cooling Water system pump room temperature | 30SAC64CT004                              | Safeguard Building 4      | Division 4                                | N/A                     | N/A         | Temp/ Temp                | N/A                       |

**Table 2.6.7-2—Electrical Division of Safeguard Building Ventilation System Equipment I&C and Electrical Design (9 Sheets)**

| <b>Equipment Description</b>  | <b>Equipment Tag Number<sup>(1)</sup></b> | <b>Equipment Location</b> | <b>IEEE Class 1E Source<sup>(2)</sup></b> | <b>Failure Position</b> | <b>PACS</b> | <b>MCR / RSS Displays</b> | <b>MCR / RSS Controls</b> |
|-------------------------------|---|---------------------------|---|-------------------------|-------------|---------------------------|---------------------------|
| Battery Room Exhaust Air Flow | 30SAC41CF001                              | Safeguard Building 1      | Division 1                                | N/A                     | N/A         | Flow/ Flow                | N/A                       |
| Battery Room Exhaust Air Flow | 30SAC42CF001                              | Safeguard Building 2      | Division 2                                | N/A                     | N/A         | Flow/ Flow                | N/A                       |
| Battery Room Exhaust Air Flow | 30SAC43CF003                              | Safeguard Building 3      | Division 3                                | N/A                     | N/A         | Flow/ Flow                | N/A                       |
| Battery Room Exhaust Air Flow | 30SAC44CF004                              | Safeguard Building 4      | Division 4                                | N/A                     | N/A         | Flow/ Flow                | N/A                       |

1) Equipment tag numbers are provided for information only and are not part of the certified design. N denotes division the component is normally powered from, while A denotes the component is powered from when alternate feed is implemented.

**Table 2.6.7-3—Electrical Division of Safeguard Building  
Ventilation System ITAAC (3 Sheets)**

| <b>Commitment Wording</b> |  | <b>Inspections, Tests, Analyses</b>   | <b>Acceptance Criteria</b>   |
|---------------------------|--|---|--|
| 2.1                       | The functional arrangement of the SBVSE is as shown on Figures 2.6.7-1, 2.6.7-2, 2.6.7-3 and 2.6.7-4.                    | Inspections of the as-built system will be conducted.   | The as-built SBVSE conforms to the functional arrangement as shown in Figures 2.6.3-1 and 2.6.3-2.   |
| 2.2                       | Equipment shown on Figures 2.6.7-1, 2.6.7-2, 2.6.7-3 and 2.6.7-4 is located as listed in Table 2.6.7-1.                  | An inspection will be performed of the location of the equipment listed in Table 2.6.7-1.   | The equipment listed in Table 2.6.7-1 is located as listed in Table 2.6.7-1.   |
| 2.3                       | Physical separation exists between the safety-related trains of the SBVSE.   | An inspection will be performed to verify that the safety-related trains of the SBVSE trains are located in separate Safeguard Building.  | The SBVSE safety-related are located in separate Safeguard Building.   |
| 3.1                       | Equipment listed in Table 2.6.7-1 as ASME AG-1 is designed, installed, and tested per ASME AG-1.                         | <ul style="list-style-type: none"> <li>a. Analysis of the equipment identified in Table 2.6.7-1 as ASME AG-1 will be performed per ASME AG-1 design requirements.</li> <li>b. Inspections will be conducted on the equipment identified in Table 2.6.7-1 as ASME AG-1 to verify that the equipment is installed as specified on the construction drawings.</li> <li>c. Testing of the equipment identified in Table 2.6.7-1 as ASME AG-1 will be performed per ASME AG-1 testing requirements.</li> </ul> | <ul style="list-style-type: none"> <li>a. ASME AG-1 reports exist and conclude that the equipment identified in Table 2.6.7-1 as ASME AG-1 meets ASME AG-1 design requirements.</li> <li>b. Equipment identified in Table 2.6.7-1 as ASME AG-1 has been installed as specified on the construction drawings.</li> <li>c. Equipment identified in Table 2.6.7-1 as ASME AG-1 has been tested per ASME AG-1 testing requirements.</li> </ul> |
| 3.2                       | Equipment listed in Table 2.6.7-1 can perform the function listed in Table 2.6.7-1 under system design basis conditions. | Tests will be performed.  | Equipment listed in Table 2.6.7-1 performs the function listed in the table under system design basis conditions.  |

**Table 2.6.7-3—Electrical Division of Safeguard Building  
Ventilation System ITAAC (3 Sheets)**

|     | <b>Commitment Wording</b>  | <b>Inspections, Tests, Analyses</b>   | <b>Acceptance Criteria</b>  |
|-----|--|---|---|
| 3.3 | Equipment identified as Seismic Category I in Table 2.6.7-1 can withstand seismic design basis loads without loss of safety function as listed in Table 2.6.7-1. | <ul style="list-style-type: none"> <li>a. Type tests, analyses or a combination of type tests and analyses will be performed on the equipment designated as Seismic Category I in Table 2.6.7-1 using analytical assumptions, or under conditions, which bound the Seismic Category I design requirements.</li> <li>b. Inspections will be performed of the as-installed Seismic Category I equipment listed in Table 2.6.7-1 to verify that the equipment including anchorage is installed as specified on the construction drawings.</li> </ul> | <ul style="list-style-type: none"> <li>a. Tests/analysis reports exist and conclude that the Seismic Category I equipment listed in Table 2.6.7-1 can withstand seismic design basis loads without loss of safety function.</li> <li>b. Inspection reports exist and conclude that the as-installed Seismic Category I equipment listed in Table 2.6.7-1 including anchorage is installed as specified on the construction drawings.</li> </ul> |
| 4.1 | Displays listed in Table 2.6.7-2 are retrievable in the MCR and the RSS as listed.   | Inspections will be performed for the existence or retrievability of the displays in the MCR and the RSS as listed in table 2.6.7-2.  | <ul style="list-style-type: none"> <li>a. The displays listed in Table 2.6.7-2 as being retrieved in the MCR can be retrieved in the MCR.</li> <li>b. The displays listed in Table 2.6.7-2 as being retrieved in the RSS can be retrieved in the RSS.</li> </ul>  |
| 4.2 | Controls exist in the MCR and the RSS as identified in Table 2.6.7-2.  | Test will be performed for the existence of control signals from the MCR and the RSS to the equipment listed in Table 2.6.7-2.  | <ul style="list-style-type: none"> <li>a. The displays listed in Table 2.6.7-2 as being retrieved in the MCR can be retrieved in the MCR.</li> <li>b. The displays listed in Table 2.6.7-2 as being retrieved in the RSS can be retrieved in the RSS.</li> </ul>  |
| 4.3 | Equipment listed as controlled by a PACS module in Table 2.6.7-2 responds to the state requested by a test signal.   | A test will be performed using test signals.  | Equipment listed as being controlled by a PACS module in Table 2.6.7-2 responds to the state requested by the test signal.  |

**Table 2.6.7-3—Electrical Division of Safeguard Building  
Ventilation System ITAAC (3 Sheets)**

| <b>Commitment Wording</b> |  | <b>Inspections, Tests, Analyses</b>  | <b>Acceptance Criteria</b>  |
|---------------------------|--|--|---|
| 5.1                       | The components designated as Class 1E in Table 2.6.7-2 are powered from the Class 1E division as listed in Table 2.6.7-2 in a normal or alternate feed condition.  | <ul style="list-style-type: none"> <li>a. Testing will be performed for the components designated as Class 1E in Table 2.6.7-2 by providing a test signal in each normally aligned division.</li> <li>b. Testing will be performed for the components designated as Class 1E in Table 2.6.7-2 by providing a test signal in each division with the alternate feed aligned to the divisional pair.</li> </ul> | <ul style="list-style-type: none"> <li>a. The test signal provided in the normally aligned division is present at the respective Class 1E component identified in Table 2.6.7-2.</li> <li>b. The test signal provided in each division with the alternate feed aligned to the divisional pair is present at the respective Class 1E component identified in Table 2.6.7-2.</li> </ul> |
| 5.2                       | Motor operated dampers listed in Table 2.6.7-2 fail to the position as shown in Table 2.6.7-2 on loss of power.  | Testing will be performed for the motor operated dampers listed in Table 2.6.7-2 to verify the position of dampers on loss of power.   | Following loss of power, the motor operated dampers listed in Table 2.6.7-2 fail to the position as shown in Table 2.6.7-2.   |
| 6.1                       | The SBVSE automatically maintains ambient conditions by recirculation airflows and exhaust airflows within the Safeguard Buildings depending on the outside air temperature.   | Tests will be performed on the capability of the system to maintain ambient conditions by recirculation airflows and exhaust airflows within the Safeguard Buildings.  | The SBVSE automatically maintains the ambient conditions by recirculation airflows and exhaust airflows within the Safeguard Buildings.   |
| 6.2                       | The recirculation cooling units start and stop automatically in the emergency feedwater system and the component cooling water system pump rooms when the room temperature reaches preset maximum and minimum temperatures in the pump rooms | A test will be performed to verify that recirculation cooling units start and stop automatically when the pump room temperature reaches preset maximum and minimum temperatures in the pump rooms.   | <ul style="list-style-type: none"> <li>a. The recirculation cooling units start automatically when the pump room temperature is greater than or equal to 95°F.</li> <li>b. The recirculation cooling units stop automatically when the pump room temperature is less than or equal to 85°F.</li> </ul>  |