

12A. FIRE COMPARTMENT IGNITION SOURCE DATA SHEETS

This appendix includes the fire compartment ignition source data sheets, which calculate the ignition frequencies for all unscreened fire areas.

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1110
 Fire Compartment F1110 HCU A

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 4 | 2094 | 0.002 | 1.60E-03 | 3.06E-06 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 4 | 2825 | 0.001 | 4.40E-03 | 6.23E-06 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 1 | 457 | 0.002 | 4.50E-02 | 9.85E-05 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 4 | 2825 | 0.001 | 1.90E-03 | 2.69E-06 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 3.72E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1120
 Fire Compartment F1120 HCU B

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 15 | 2094 | 0.007 | 1.60E-03 | 1.15E-05 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 15 | 2825 | 0.005 | 4.40E-03 | 2.34E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 1 | 457 | 0.002 | 4.50E-02 | 9.85E-05 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 15 | 2825 | 0.005 | 1.90E-03 | 1.01E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 4.05E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1130
 Fire Compartment F1130 HCU C

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 9 | 2094 | 0.004 | 1.60E-03 | 6.88E-06 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 9 | 2825 | 0.003 | 4.40E-03 | 1.40E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 9 | 2825 | 0.003 | 1.90E-03 | 6.05E-06 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 2.88E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1140
 Fire Compartment F1140 HCU D

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 6 | 2094 | 0.003 | 1.60E-03 | 4.58E-06 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 6 | 2825 | 0.002 | 4.40E-03 | 9.35E-06 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 6 | 2825 | 0.002 | 1.90E-03 | 4.04E-06 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 2.80E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1150
 Fire Compartment F1150 Nonsafety NE quadrant

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

Compartment Ignition Sources (FIF)

| Bin # | Ignition Source | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|-------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| | | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 65 | 2094 | 0.031 | 1.60E-03 | 4.97E-05 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 65 | 2825 | 0.023 | 4.40E-03 | 1.01E-04 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 23 | 457 | 0.050 | 4.50E-02 | 2.26E-03 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 7 | 44 | 0.159 | 1.50E-03 | 2.39E-04 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 65 | 2825 | 0.023 | 1.90E-03 | 4.37E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 7 | 65 | 0.108 | 9.90E-03 | 1.07E-03 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 4.03E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1152
 Fire Compartment F1152 Nonsafety SE quadrant

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 74 | 2094 | 0.035 | 1.60E-03 | 5.65E-05 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 74 | 2825 | 0.026 | 4.40E-03 | 1.15E-04 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 8 | 457 | 0.018 | 4.50E-02 | 7.88E-04 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 2 | 44 | 0.045 | 1.50E-03 | 6.82E-05 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 74 | 2825 | 0.026 | 1.90E-03 | 4.98E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 1 | 38 | 0.026 | 2.10E-02 | 5.53E-04 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 2 | 65 | 0.031 | 9.90E-03 | 3.05E-04 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 2.20E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1160
 Fire Compartment F1160 Nonsafety NW quadrant

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 49 | 2094 | 0.023 | 1.60E-03 | 3.74E-05 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 49 | 2825 | 0.017 | 4.40E-03 | 7.63E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 9 | 457 | 0.020 | 4.50E-02 | 8.86E-04 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 1 | 44 | 0.023 | 1.50E-03 | 3.41E-05 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 49 | 2825 | 0.017 | 1.90E-03 | 3.30E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 1.33E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1162
 Fire Compartment F1162 Nonsafety SW quadrant

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 70 | 2094 | 0.033 | 1.60E-03 | 5.35E-05 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 70 | 2825 | 0.025 | 4.40E-03 | 1.09E-04 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 20 | 457 | 0.044 | 4.50E-02 | 1.97E-03 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 7 | 44 | 0.159 | 1.50E-03 | 2.39E-04 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 70 | 2825 | 0.025 | 1.90E-03 | 4.71E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 1 | 38 | 0.026 | 2.10E-02 | 5.53E-04 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 7 | 65 | 0.108 | 9.90E-03 | 1.07E-03 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 4.30E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1203
 Fire Compartment F1203 CRD and Containment Access

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 12 | 2094 | 0.006 | 1.60E-03 | 9.17E-06 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 12 | 2825 | 0.004 | 4.40E-03 | 1.87E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 12 | 2825 | 0.004 | 1.90E-03 | 8.07E-06 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 2 | 38 | 0.053 | 2.10E-02 | 1.11E-03 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 1.40E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1210
 Fire Compartment F1210 Division I Battery

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 2 | 15 | 0.133 | 7.50E-04 | 1.00E-04 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 69 | 2094 | 0.033 | 1.60E-03 | 5.27E-05 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 69 | 2825 | 0.024 | 4.40E-03 | 1.07E-04 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 1 | 457 | 0.002 | 4.50E-02 | 9.85E-05 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 69 | 2825 | 0.024 | 1.90E-03 | 4.64E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 6.67E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1220
 Fire Compartment F1220 Division II Battery

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 2 | 15 | 0.133 | 7.50E-04 | 1.00E-04 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 72 | 2094 | 0.034 | 1.60E-03 | 5.50E-05 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 72 | 2825 | 0.025 | 4.40E-03 | 1.12E-04 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 3 | 457 | 0.007 | 4.50E-02 | 2.95E-04 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 72 | 2825 | 0.025 | 1.90E-03 | 4.84E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 8.73E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1230
 Fire Compartment F1230 Division III Battery

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 2 | 15 | 0.133 | 7.50E-04 | 1.00E-04 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 49 | 2094 | 0.023 | 1.60E-03 | 3.74E-05 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 49 | 2825 | 0.017 | 4.40E-03 | 7.63E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 49 | 2825 | 0.017 | 1.90E-03 | 3.30E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 5.08E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1240
 Fire Compartment F1240 Division IV Battery

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 2 | 15 | 0.133 | 7.50E-04 | 1.00E-04 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 40 | 2094 | 0.019 | 1.60E-03 | 3.06E-05 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 40 | 2825 | 0.014 | 4.40E-03 | 6.23E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 40 | 2825 | 0.014 | 1.90E-03 | 2.69E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 4.81E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1262
 Fire Compartment F1262 B Demineralizers

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 2 | 2094 | 0.001 | 1.60E-03 | 1.53E-06 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 2 | 2825 | 0.001 | 4.40E-03 | 3.12E-06 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 2 | 2825 | 0.001 | 1.90E-03 | 1.35E-06 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 2.68E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1311
 Fire Compartment F1311 Division I Electrical

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 268 | 2094 | 0.128 | 1.60E-03 | 2.05E-04 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 2 | 15 | 0.133 | 1.80E-03 | 2.40E-04 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 268 | 2825 | 0.095 | 4.40E-03 | 4.17E-04 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 18 | 457 | 0.039 | 4.50E-02 | 1.77E-03 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 268 | 2825 | 0.095 | 1.90E-03 | 1.80E-04 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 4 | 65 | 0.062 | 9.90E-03 | 6.09E-04 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 3.69E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1321
 Fire Compartment F1321 Division II Electrical

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 257 | 2094 | 0.123 | 1.60E-03 | 1.96E-04 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 2 | 15 | 0.133 | 1.80E-03 | 2.40E-04 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 257 | 2825 | 0.091 | 4.40E-03 | 4.00E-04 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 18 | 457 | 0.039 | 4.50E-02 | 1.77E-03 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 257 | 2825 | 0.091 | 1.90E-03 | 1.73E-04 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 4 | 65 | 0.062 | 9.90E-03 | 6.09E-04 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 3.65E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1331
 Fire Compartment F1331 Division III Electrical

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 214 | 2094 | 0.102 | 1.60E-03 | 1.64E-04 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 2 | 15 | 0.133 | 1.80E-03 | 2.40E-04 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 214 | 2825 | 0.076 | 4.40E-03 | 3.33E-04 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 19 | 457 | 0.042 | 4.50E-02 | 1.87E-03 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 214 | 2825 | 0.076 | 1.90E-03 | 1.44E-04 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 4 | 65 | 0.062 | 9.90E-03 | 6.09E-04 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 3.62E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1341
 Fire Compartment F1341 Division IV Electrical

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 209 | 2094 | 0.100 | 1.60E-03 | 1.60E-04 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 2 | 15 | 0.133 | 1.80E-03 | 2.40E-04 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 209 | 2825 | 0.074 | 4.40E-03 | 3.26E-04 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 19 | 457 | 0.042 | 4.50E-02 | 1.87E-03 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 209 | 2825 | 0.074 | 1.90E-03 | 1.41E-04 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 4 | 65 | 0.062 | 9.90E-03 | 6.09E-04 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 3.61E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1600
 Fire Compartment F1600 Refueling Floor and Common Access

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

Compartment Ignition Sources (FIF)

| Bin # | Ignition Source | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|-------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| | | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 2.62E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F1770
 Fire Compartment F1770 Main Steam Tunnel

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 8 | 2094 | 0.004 | 1.60E-03 | 6.11E-06 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 8 | 2825 | 0.003 | 4.40E-03 | 1.25E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 8 | 2825 | 0.003 | 1.90E-03 | 5.38E-06 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 2.85E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F2100
 Fire Compartment F2100 New and Spent Fuel Handling

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 28 | 2094 | 0.013 | 1.60E-03 | 2.14E-05 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 28 | 2825 | 0.010 | 4.40E-03 | 4.36E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 9 | 457 | 0.020 | 4.50E-02 | 8.86E-04 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 28 | 2825 | 0.010 | 1.90E-03 | 1.88E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 2 | 38 | 0.053 | 2.10E-02 | 1.11E-03 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 2.34E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F3110
 Fire Compartment F3110 Division I Electrical

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

Compartment Ignition Sources (FIF)

| Bin # | Ignition Source | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|-------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| | | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 67 | 2094 | 0.032 | 1.60E-03 | 5.12E-05 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 67 | 2825 | 0.024 | 4.40E-03 | 1.04E-04 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 8 | 457 | 0.018 | 4.50E-02 | 7.88E-04 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 67 | 2825 | 0.024 | 1.90E-03 | 4.51E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 1 | 65 | 0.015 | 9.90E-03 | 1.52E-04 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 1.40E-03 <= special considerations: added 1 non-PRA xmfr in bin 23b

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F3120
 Fire Compartment F3120 Division II Electrical

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

Compartment Ignition Sources (FIF)

| Bin # | Ignition Source | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|-------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| | | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 63 | 2094 | 0.030 | 1.60E-03 | 4.81E-05 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 63 | 2825 | 0.022 | 4.40E-03 | 9.81E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 8 | 457 | 0.018 | 4.50E-02 | 7.88E-04 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 63 | 2825 | 0.022 | 1.90E-03 | 4.24E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 1 | 65 | 0.015 | 9.90E-03 | 1.52E-04 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 1.39E-03 <= special considerations: added 1 non-PRA xmfr in bin 23b

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F3130
 Fire Compartment F3130 Division III Electrical

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 41 | 2094 | 0.020 | 1.60E-03 | 3.13E-05 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 41 | 2825 | 0.015 | 4.40E-03 | 6.39E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 8 | 457 | 0.018 | 4.50E-02 | 7.88E-04 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 41 | 2825 | 0.015 | 1.90E-03 | 2.76E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 1 | 65 | 0.015 | 9.90E-03 | 1.52E-04 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 1.32E-03 <= special considerations: added 1 non-PRA xmfr in bin 23b

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F3140
 Fire Compartment F3140 Division IV Electrical

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 40 | 2094 | 0.019 | 1.60E-03 | 3.06E-05 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 40 | 2825 | 0.014 | 4.40E-03 | 6.23E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 8 | 457 | 0.018 | 4.50E-02 | 7.88E-04 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 40 | 2825 | 0.014 | 1.90E-03 | 2.69E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 1 | 65 | 0.015 | 9.90E-03 | 1.52E-04 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 1.32E-03 <= special considerations: added 1 non-PRA xmfr in bin 23b

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F3270
 Fire Compartment F3270 Main Control Room Complex

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 10 | 52 | 0.192 | 3.90E-03 | 7.50E-04 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 12 | 457 | 0.026 | 4.50E-02 | 1.18E-03 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 4 | 65 | 0.062 | 9.90E-03 | 6.09E-04 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 2 | 20 | 0.100 | 7.40E-03 | 7.40E-04 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 3.47E-03 <= special considerations: conservatively added 5 more cabinets in bin 15,4 non-PRA xmfr's in bin 23b, and 2 AHUs in bin 26 per GA drawing.

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F3301
 Fire Compartment F3301 Non-1E Electrical

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 29 | 2094 | 0.014 | 1.60E-03 | 2.22E-05 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 29 | 2825 | 0.010 | 4.40E-03 | 4.52E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 45 | 457 | 0.098 | 4.50E-02 | 4.43E-03 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 29 | 2825 | 0.010 | 1.90E-03 | 1.95E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 1 | 65 | 0.015 | 9.90E-03 | 1.52E-04 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL)

4.93E-03 <= special considerations: added 1 non-PRA xmfr in bin 23b, moved the DPS cabinet to F3150.

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F3302
 Fire Compartment F3302 Non-1E Electrical

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 60 | 2094 | 0.029 | 1.60E-03 | 4.58E-05 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 60 | 2825 | 0.021 | 4.40E-03 | 9.35E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 48 | 457 | 0.105 | 4.50E-02 | 4.73E-03 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 60 | 2825 | 0.021 | 1.90E-03 | 4.04E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 1 | 65 | 0.015 | 9.90E-03 | 1.52E-04 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 5.32E-03 <= special considerations: added 1 non-PRA xmfr in bin 23b

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F4100
 Fire Compartment F4100 Turbine Equipment

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID TB
 Plant Location Description Turbine Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 2 | 4 | 0.500 | 2.40E-03 | 1.20E-03 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 152 | 2825 | 0.054 | 4.40E-03 | 2.37E-04 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 27 | 457 | 0.059 | 4.50E-02 | 2.66E-03 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 152 | 2825 | 0.054 | 1.90E-03 | 1.02E-04 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 8 | 38 | 0.211 | 2.10E-02 | 4.42E-03 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 2 | 20 | 0.100 | 7.40E-03 | 7.40E-04 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 1 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 152 | 205 | 0.741 | 1.60E-03 | 1.19E-03 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 1 | 1 | 1 | 1 | 1.000 | 3.90E-03 | 3.90E-03 |
| 34 | Turbine Generator Hydrogen | TB | 1 | 1 | 1 | 1 | 1.000 | 6.50E-03 | 6.50E-03 |
| 35 | Turbine Generator Oil | TB | 1 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 10 | 21 | 0.476 | 8.20E-03 | 3.90E-03 |
| 37 | Transients (Turbine Building) | TB | 1 | 1 | 10 | 21 | 0.476 | 8.50E-03 | 4.05E-03 |

Compartment Fire Frequency (FL)

2.89E-02

<= special considerations: increased bin 36 & 37 counts by a factor of 10 to account for high occupancy & maintenance activity in the Turbine Building

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F4103
 Fire Compartment F4103 Feedwater Pumps

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID TB
 Plant Location Description Turbine Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

Compartment Ignition Sources (FIF)

| Bin # | Ignition Source | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|-------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| | | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 21 | 2825 | 0.007 | 4.40E-03 | 3.27E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 21 | 2825 | 0.007 | 1.90E-03 | 1.41E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 2 | 20 | 0.100 | 7.40E-03 | 7.40E-04 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 1 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 21 | 205 | 0.102 | 1.60E-03 | 1.64E-04 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 4 | 4 | 1.000 | 1.30E-02 | 1.30E-02 |
| 33 | Turbine Generator Excitor | TB | 1 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 1 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 1 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 1 | 21 | 0.048 | 8.20E-03 | 3.90E-04 |
| 37 | Transients (Turbine Building) | TB | 1 | 1 | 1 | 21 | 0.048 | 8.50E-03 | 4.05E-04 |

Compartment Fire Frequency (FL) 1.47E-02

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F4250
 Fire Compartment F4250 Reactor Component Cooling Water A

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID TB
 Plant Location Description Turbine Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

Compartment Ignition Sources (FIF)

| Bin # | Ignition Source | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|-------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| | | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 16 | 2825 | 0.006 | 4.40E-03 | 2.49E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 16 | 2825 | 0.006 | 1.90E-03 | 1.08E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 3 | 38 | 0.079 | 2.10E-02 | 1.66E-03 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 1 | 20 | 0.050 | 7.40E-03 | 3.70E-04 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 1 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 16 | 205 | 0.078 | 1.60E-03 | 1.25E-04 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 1 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 1 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 1 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 1 | 21 | 0.048 | 8.20E-03 | 3.90E-04 |
| 37 | Transients (Turbine Building) | TB | 1 | 1 | 1 | 21 | 0.048 | 8.50E-03 | 4.05E-04 |

Compartment Fire Frequency (FL) 2.98E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F4260
 Fire Compartment F4260 Reactor Component Cooling Water B

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID TB
 Plant Location Description Turbine Building
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 16 | 2825 | 0.006 | 4.40E-03 | 2.49E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 16 | 2825 | 0.006 | 1.90E-03 | 1.08E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 3 | 38 | 0.079 | 2.10E-02 | 1.66E-03 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 1 | 20 | 0.050 | 7.40E-03 | 3.70E-04 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 1 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 16 | 205 | 0.078 | 1.60E-03 | 1.25E-04 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 1 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 1 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 1 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 1 | 21 | 0.048 | 8.20E-03 | 3.90E-04 |
| 37 | Transients (Turbine Building) | TB | 1 | 1 | 1 | 21 | 0.048 | 8.50E-03 | 4.05E-04 |

Compartment Fire Frequency (FL) 2.98E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F4271
 Fire Compartment F4271 Phase A Main Transformer

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
 Plant Location Description Plant-Wide
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 1 | 9 | 0.111 | 6.00E-03 | 6.67E-04 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 1 | 8 | 0.125 | 1.20E-02 | 1.50E-03 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 2.36E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F4272
 Fire Compartment F4272 Phase B Main Transformer

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
 Plant Location Description Plant-Wide
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 1 | 9 | 0.111 | 6.00E-03 | 6.67E-04 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 1 | 8 | 0.125 | 1.20E-02 | 1.50E-03 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 2.36E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F4273
 Fire Compartment F4273 Phase C Main Transformer

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
 Plant Location Description Plant-Wide
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 1 | 9 | 0.111 | 6.00E-03 | 6.67E-04 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 1 | 8 | 0.125 | 1.20E-02 | 1.50E-03 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 2.36E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F4307
 Fire Compartment F4307 Turbine EHC

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID TB
 Plant Location Description Turbine Building
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 1 | 457 | 0.002 | 4.50E-02 | 9.85E-05 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 1 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 1 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 1 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 1 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 1 | 21 | 0.048 | 8.20E-03 | 3.90E-04 |
| 37 | Transients (Turbine Building) | TB | 1 | 1 | 1 | 21 | 0.048 | 8.50E-03 | 4.05E-04 |

Compartment Fire Frequency (FL) 8.94E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F4308
 Fire Compartment F4308 Turbine Lube Oil

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID TB
 Plant Location Description Turbine Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 1 | 457 | 0.002 | 4.50E-02 | 9.85E-05 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 1 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 1 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 1 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 1 | 1 | 1 | 1 | 1.000 | 9.50E-03 | 9.50E-03 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 1 | 21 | 0.048 | 8.20E-03 | 3.90E-04 |
| 37 | Transients (Turbine Building) | TB | 1 | 1 | 1 | 21 | 0.048 | 8.50E-03 | 4.05E-04 |

Compartment Fire Frequency (FL) 1.04E-02

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F4350
 Fire Compartment F4350 Instrument Air A

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID TB
 Plant Location Description Turbine Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 1 | 4 | 0.250 | 2.40E-03 | 6.00E-04 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 1 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 1 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 1 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 1 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 1 | 21 | 0.048 | 8.20E-03 | 3.90E-04 |
| 37 | Transients (Turbine Building) | TB | 1 | 1 | 1 | 21 | 0.048 | 8.50E-03 | 4.05E-04 |

Compartment Fire Frequency (FL) 1.40E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F4360
 Fire Compartment F4360 Instrument Air B

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID TB
 Plant Location Description Turbine Building
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 1 | 4 | 0.250 | 2.40E-03 | 6.00E-04 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 1 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 1 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 1 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 1 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 1 | 21 | 0.048 | 8.20E-03 | 3.90E-04 |
| 37 | Transients (Turbine Building) | TB | 1 | 1 | 1 | 21 | 0.048 | 8.50E-03 | 4.05E-04 |

Compartment Fire Frequency (FL) 1.40E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F4550
 Fire Compartment F4550 Chilled Water A

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID TB
 Plant Location Description Turbine Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 1 | 38 | 0.026 | 2.10E-02 | 5.53E-04 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 1 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 1 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 1 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 1 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 1 | 21 | 0.048 | 8.20E-03 | 3.90E-04 |
| 37 | Transients (Turbine Building) | TB | 1 | 1 | 1 | 21 | 0.048 | 8.50E-03 | 4.05E-04 |

Compartment Fire Frequency (FL) 1.35E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F4560
 Fire Compartment F4560 Chilled Water B

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID TB
 Plant Location Description Turbine Building
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 1 | 38 | 0.026 | 2.10E-02 | 5.53E-04 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 1 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 1 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 1 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 1 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 1 | 1 | 1 | 21 | 0.048 | 8.20E-03 | 3.90E-04 |
| 37 | Transients (Turbine Building) | TB | 1 | 1 | 1 | 21 | 0.048 | 8.50E-03 | 4.05E-04 |

Compartment Fire Frequency (FL) 1.35E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F5100
 Fire Compartment F5100 Corridors

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
 Plant Location Description Plant-Wide
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 62 | 526 | 0.118 | 2.00E-03 | 2.36E-04 |
| 12 | Cable Run | XX | 1 | 1 | 62 | 2825 | 0.022 | 4.40E-03 | 9.66E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 5 | 457 | 0.011 | 4.50E-02 | 4.92E-04 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 62 | 2825 | 0.022 | 1.90E-03 | 4.17E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 1.06E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F5150
 Fire Compartment F5150 Batteries A

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID BR
 Plant Location Description Battery Room
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 3 | 15 | 0.200 | 7.50E-04 | 1.50E-04 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 1 | 457 | 0.002 | 4.50E-02 | 9.85E-05 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 4.46E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F5154
 Fire Compartment F5154 Diesel Generator A

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID DGR
 Plant Location Description Diesel Generator Rooms

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 1 | 2 | 0.500 | 2.10E-02 | 1.05E-02 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 526 | 0.002 | 2.00E-03 | 3.80E-06 |
| 12 | Cable Run | XX | 1 | 1 | 1 | 2825 | 0.000 | 4.40E-03 | 1.56E-06 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 1 | 2825 | 0.000 | 1.90E-03 | 6.73E-07 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 2 | 38 | 0.053 | 2.10E-02 | 1.11E-03 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 5 | 20 | 0.250 | 7.40E-03 | 1.85E-03 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 1.37E-02

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F5156
 Fire Compartment F5156 D-G Electrical Equipment A

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID DGR
 Plant Location Description Diesel Generator Rooms

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

Compartment Ignition Sources (FIF)

| Bin # | Ignition Source | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|-------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| | | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 1.97E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F5157
 Fire Compartment F5157 Reserve Auxiliary Transformer A

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
 Plant Location Description Plant-Wide
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 1 | 9 | 0.111 | 6.00E-03 | 6.67E-04 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 1 | 8 | 0.125 | 1.20E-02 | 1.50E-03 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 2.36E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F5158
 Fire Compartment F5158 Unit Auxiliary Transformer A

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
 Plant Location Description Plant-Wide
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

Compartment Ignition Sources (FIF)

| Bin # | Ignition Source | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|-------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| | | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 1 | 9 | 0.111 | 6.00E-03 | 6.67E-04 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 1 | 8 | 0.125 | 1.20E-02 | 1.50E-03 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 2.36E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F5160
 Fire Compartment F5160 Batteries B

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID BR
 Plant Location Description Battery Room
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 3 | 15 | 0.200 | 7.50E-04 | 1.50E-04 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 1 | 457 | 0.002 | 4.50E-02 | 9.85E-05 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 4.46E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F5164
 Fire Compartment F5164 Diesel Generator B

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID DGR
 Plant Location Description Diesel Generator Rooms

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 1 | 2 | 0.500 | 2.10E-02 | 1.05E-02 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 526 | 0.002 | 2.00E-03 | 3.80E-06 |
| 12 | Cable Run | XX | 1 | 1 | 1 | 2825 | 0.000 | 4.40E-03 | 1.56E-06 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 1 | 2825 | 0.000 | 1.90E-03 | 6.73E-07 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 2 | 38 | 0.053 | 2.10E-02 | 1.11E-03 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 5 | 20 | 0.250 | 7.40E-03 | 1.85E-03 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 1.37E-02

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F5166
 Fire Compartment F5166 D-G Electrical Equipment B

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID DGR
 Plant Location Description Diesel Generator Rooms

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 1.97E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F5167
 Fire Compartment F5167 Reserve Auxiliary Transformer B

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
 Plant Location Description Plant-Wide
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 1 | 9 | 0.111 | 6.00E-03 | 6.67E-04 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 1 | 8 | 0.125 | 1.20E-02 | 1.50E-03 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 2.36E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F5168
 Fire Compartment F5168 Unit Auxiliary Transformer B

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
 Plant Location Description Plant-Wide
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 1 | 9 | 0.111 | 6.00E-03 | 6.67E-04 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 1 | 8 | 0.125 | 1.20E-02 | 1.50E-03 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 2.36E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F5301
 Fire Compartment F5301 Battery C

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID BR
 Plant Location Description Battery Room
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 2 | 526 | 0.004 | 2.00E-03 | 7.60E-06 |
| 12 | Cable Run | XX | 1 | 1 | 2 | 2825 | 0.001 | 4.40E-03 | 3.12E-06 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 2 | 2825 | 0.001 | 1.90E-03 | 1.35E-06 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 2.09E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F5302
 Fire Compartment F5302 Electrical Equipment C

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
 Plant Location Description Plant-Wide
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 1 | 15 | 0.067 | 7.50E-04 | 5.00E-05 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 1 | 15 | 0.067 | 1.80E-03 | 1.20E-04 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 2 | 526 | 0.004 | 2.00E-03 | 7.60E-06 |
| 12 | Cable Run | XX | 1 | 1 | 2 | 2825 | 0.001 | 4.40E-03 | 3.12E-06 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 9 | 457 | 0.020 | 4.50E-02 | 8.86E-04 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 2 | 44 | 0.045 | 1.50E-03 | 6.82E-05 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 2 | 2825 | 0.001 | 1.90E-03 | 1.35E-06 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 6 | 65 | 0.092 | 9.90E-03 | 9.14E-04 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 2.25E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F5303
 Fire Compartment F5303 Electronic Equipment

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
 Plant Location Description Plant-Wide
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 33 | 526 | 0.063 | 2.00E-03 | 1.25E-04 |
| 12 | Cable Run | XX | 1 | 1 | 33 | 2825 | 0.012 | 4.40E-03 | 5.14E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 33 | 2825 | 0.012 | 1.90E-03 | 2.22E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 3.96E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F5350
 Fire Compartment F5350 Lower Electrical Equipment A

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
 Plant Location Description Plant-Wide
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 64 | 526 | 0.122 | 2.00E-03 | 2.43E-04 |
| 12 | Cable Run | XX | 1 | 1 | 64 | 2825 | 0.023 | 4.40E-03 | 9.97E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 6 | 457 | 0.013 | 4.50E-02 | 5.91E-04 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 2 | 44 | 0.045 | 1.50E-03 | 6.82E-05 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 64 | 2825 | 0.023 | 1.90E-03 | 4.30E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 1.24E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F5360
 Fire Compartment F5360 Lower Electrical Equipment B

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
 Plant Location Description Plant-Wide
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 66 | 526 | 0.125 | 2.00E-03 | 2.51E-04 |
| 12 | Cable Run | XX | 1 | 1 | 66 | 2825 | 0.023 | 4.40E-03 | 1.03E-04 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 6 | 457 | 0.013 | 4.50E-02 | 5.91E-04 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 2 | 44 | 0.045 | 1.50E-03 | 6.82E-05 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 66 | 2825 | 0.023 | 1.90E-03 | 4.44E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 1.25E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F5550
 Fire Compartment F5550 Upper Electrical Equipment A

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
 Plant Location Description Plant-Wide
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 3 | 15 | 0.200 | 1.80E-03 | 3.60E-04 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 23 | 526 | 0.044 | 2.00E-03 | 8.75E-05 |
| 12 | Cable Run | XX | 1 | 1 | 23 | 2825 | 0.008 | 4.40E-03 | 3.58E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 51 | 457 | 0.112 | 4.50E-02 | 5.02E-03 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 8 | 44 | 0.182 | 1.50E-03 | 2.73E-04 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 23 | 2825 | 0.008 | 1.90E-03 | 1.55E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 11 | 65 | 0.169 | 9.90E-03 | 1.68E-03 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 7.67E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F5560
 Fire Compartment F5560 Upper Electrical Equipment B

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
 Plant Location Description Plant-Wide
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

Compartment Ignition Sources (FIF)

| Bin # | Ignition Source | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|-------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| | | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 3 | 15 | 0.200 | 1.80E-03 | 3.60E-04 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 23 | 526 | 0.044 | 2.00E-03 | 8.75E-05 |
| 12 | Cable Run | XX | 1 | 1 | 23 | 2825 | 0.008 | 4.40E-03 | 3.58E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 50 | 457 | 0.109 | 4.50E-02 | 4.92E-03 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 8 | 44 | 0.182 | 1.50E-03 | 2.73E-04 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 23 | 2825 | 0.008 | 1.90E-03 | 1.55E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 11 | 65 | 0.169 | 9.90E-03 | 1.68E-03 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 7.57E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F7100
 Fire Compartment F7100 Pump House

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
 Plant Location Description Plant-Wide
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 4 | 526 | 0.008 | 2.00E-03 | 1.52E-05 |
| 12 | Cable Run | XX | 1 | 1 | 4 | 2825 | 0.001 | 4.40E-03 | 6.23E-06 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 4 | 8 | 0.500 | 4.60E-03 | 2.30E-03 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 2 | 457 | 0.004 | 4.50E-02 | 1.97E-04 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 1 | 44 | 0.023 | 1.50E-03 | 3.41E-05 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 4 | 2825 | 0.001 | 1.90E-03 | 2.69E-06 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 4 | 38 | 0.105 | 2.10E-02 | 2.21E-03 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 1 | 65 | 0.015 | 9.90E-03 | 1.52E-04 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 5.12E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F7300
 Fire Compartment F7300 Service Water / Water Treatment Building

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
 Plant Location Description Plant-Wide
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

Compartment Ignition Sources (FIF)

| Bin # | Ignition Source | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|-------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| | | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 16 | 526 | 0.030 | 2.00E-03 | 6.08E-05 |
| 12 | Cable Run | XX | 1 | 1 | 16 | 2825 | 0.006 | 4.40E-03 | 2.49E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 4 | 8 | 0.500 | 4.60E-03 | 2.30E-03 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 4 | 457 | 0.009 | 4.50E-02 | 3.94E-04 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 2 | 44 | 0.045 | 1.50E-03 | 6.82E-05 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 16 | 2825 | 0.006 | 1.90E-03 | 1.08E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 4 | 38 | 0.105 | 2.10E-02 | 2.21E-03 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 2 | 65 | 0.031 | 9.90E-03 | 3.05E-04 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 4 | 20 | 0.200 | 7.40E-03 | 1.48E-03 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 7.05E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F9150
 Fire Compartment F9150 Cable Tunnel A

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
 Plant Location Description Plant-Wide
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 84 | 526 | 0.160 | 2.00E-03 | 3.19E-04 |
| 12 | Cable Run | XX | 1 | 1 | 84 | 2825 | 0.030 | 4.40E-03 | 1.31E-04 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 84 | 2825 | 0.030 | 1.90E-03 | 5.65E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 7.04E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F9160
 Fire Compartment F9160 Cable Tunnel B

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
 Plant Location Description Plant-Wide
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 117 | 526 | 0.222 | 2.00E-03 | 4.45E-04 |
| 12 | Cable Run | XX | 1 | 1 | 117 | 2825 | 0.041 | 4.40E-03 | 1.82E-04 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 117 | 2825 | 0.041 | 1.90E-03 | 7.87E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 9.03E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area Fire Area F3150
 Fire Compartment F3150 DPS Room

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID CAR
 Plant Location Description Control/Auxiliary/Reactor Building

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|------------------------------------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 50 | 2094 | 0.024 | 1.60E-03 | 3.82E-05 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 9.70E-03 | 1.87E-04 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 1 | 1 | 1 | 52 | 0.019 | 3.90E-03 | 7.50E-05 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 50 | 2825 | 0.018 | 4.40E-03 | 7.79E-05 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 1 | 457 | 0.002 | 4.50E-02 | 9.85E-05 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 50 | 2825 | 0.018 | 1.90E-03 | 3.36E-05 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 0 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 5.10E-04

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: $FIF = WFL * WFIS * FF$

Compartment Fire Frequency: $FL = SUM(FIF)$

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area
 Fire Compartment
 FFPE
 Fire Area FFPE
 Fire pump enclosure (primary)

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
 Plant Location Description Plant-Wide
 Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
 Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

| Compartment Ignition Sources (FIF) | | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|---|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|----------------------------------|
| Bin # | Ignition Source | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 3 | 526 | 0.006 | 2.00E-03 | 1.14E-05 |
| 12 | Cable Run | XX | 1 | 1 | 3 | 2825 | 0.001 | 4.40E-03 | 4.67E-06 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 3 | 2825 | 0.001 | 1.90E-03 | 2.02E-06 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 4 | 38 | 0.105 | 2.10E-02 | 2.21E-03 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 4.90E-03 | 6.53E-05 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 1 | 75 | 0.013 | 9.90E-03 | 1.32E-04 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 2.43E-03

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)

Fire Compartment Ignition Source Data Sheet (ISDS)

Compartment Description

Fire Area
Fire Compartment

FSWYD Switchyard

Fire Area FSWYD

Compartment Fire Ignition Frequency

Step 1.1 Plant Location ID XX
Plant Location Description Plant-Wide

Step 1.2 Location Weighting Factor (WFL) 1.00E+00 Plant Location
Location Weighting Factor (WFL) 1.00E+00 Plant Wide Components

Compartment Ignition Sources (FIF)

| Bin # | Ignition Source | Plant Location | App. to This Area | Weighting Factor | Sources in Compartment | Sources in Plant Location | Weighting Factor | Fire Frequency | Ignition Source Frequency |
|-------|---|----------------|-------------------|------------------|------------------------|---------------------------|------------------|----------------|---------------------------|
| | | L | APP | WFL | (A) | (B) | WFIS=(A)/(B) | (FF) | (FIF) |
| 01 | Batteries | BR | 1 | 1 | 0 | 15 | 0.000 | 7.50E-04 | 0.00E+00 |
| 02 | Reactor Coolant Pump | COP | 0 | 1 | 0 | 0 | 0.000 | 6.10E-03 | 0.00E+00 |
| 03 | Transients and Hotwork | COP | 0 | 1 | 0 | 0 | 0.000 | 2.00E-03 | 0.00E+00 |
| 04 | Main Control Board | CR | 0 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 05 | Cable Fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 2094 | 0.000 | 1.60E-03 | 0.00E+00 |
| 06 | Transient fires caused by welding and cutting (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 9.70E-03 | 0.00E+00 |
| 07 | Transients (Cntrl/Aux/Rx Building) | CAR | 0 | 1 | 0 | 52 | 0.000 | 3.90E-03 | 0.00E+00 |
| 08 | Diesel Generators | DGR | 1 | 1 | 0 | 2 | 0.000 | 2.10E-02 | 0.00E+00 |
| 09 | Air Compressors | XX | 1 | 1 | 0 | 4 | 0.000 | 2.40E-03 | 0.00E+00 |
| 10 | Battery Chargers | XX | 1 | 1 | 0 | 15 | 0.000 | 1.80E-03 | 0.00E+00 |
| 11 | Cable Fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 0 | 526 | 0.000 | 2.00E-03 | 0.00E+00 |
| 12 | Cable Run | XX | 1 | 1 | 0 | 2825 | 0.000 | 4.40E-03 | 0.00E+00 |
| 13 | Dryers | XX | 1 | 1 | 0 | 2 | 0.000 | 2.60E-03 | 0.00E+00 |
| 14 | Electric Motors | XX | 1 | 1 | 0 | 8 | 0.000 | 4.60E-03 | 0.00E+00 |
| 15 | Electrical Cabinets | XX | 1 | 1 | 0 | 457 | 0.000 | 4.50E-02 | 0.00E+00 |
| 16 | High Energy Arcing Faults | XX | 1 | 1 | 0 | 44 | 0.000 | 1.50E-03 | 0.00E+00 |
| 17 | Hydrogen Tanks | XX | 1 | 1 | 0 | 2 | 0.000 | 1.70E-03 | 0.00E+00 |
| 18 | Junction Boxes | XX | 1 | 1 | 0 | 2825 | 0.000 | 1.90E-03 | 0.00E+00 |
| 19 | Misc. Hydrogen Fires | XX | 1 | 1 | 0 | 0 | 0.000 | 2.50E-03 | 0.00E+00 |
| 20 | Off-gas/H2 Recombiner (BWR) | XX | 1 | 1 | 0 | 2 | 0.000 | 4.40E-02 | 0.00E+00 |
| 21 | Pumps | XX | 1 | 1 | 0 | 38 | 0.000 | 2.10E-02 | 0.00E+00 |
| 22 | RPS MG Sets | XX | 0 | 1 | 0 | 0 | 0.000 | 1.60E-03 | 0.00E+00 |
| 23a | Transformers (oil filled) | XX | 1 | 1 | 0 | 0 | 0.000 | 9.90E-03 | 0.00E+00 |
| 23b | Transformers (dry) | XX | 1 | 1 | 0 | 65 | 0.000 | 9.90E-03 | 0.00E+00 |
| 24 | Transient fires caused by welding and cutting (Plant-Wide) | XX | 1 | 1 | 0 | 75 | 0.000 | 4.90E-03 | 0.00E+00 |
| 25 | Transients (Plant-Wide) | XX | 1 | 1 | 0 | 75 | 0.000 | 9.90E-03 | 0.00E+00 |
| 26 | Ventilation Subsystems | XX | 1 | 1 | 0 | 20 | 0.000 | 7.40E-03 | 0.00E+00 |
| 27 | Transformer - Catastrophic | TY | 0 | 1 | 0 | 9 | 0.000 | 6.00E-03 | 0.00E+00 |
| 28 | Transformer - Non Catastrophic | TY | 0 | 1 | 0 | 8 | 0.000 | 1.20E-02 | 0.00E+00 |
| 29 | Yard Transformers (others) | TY | 0 | 1 | 0 | 1 | 0.000 | 2.20E-03 | 0.00E+00 |
| 30 | Boiler | TB | 0 | 1 | 0 | 2 | 0.000 | 1.10E-03 | 0.00E+00 |
| 31 | Cable Fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 205 | 0.000 | 1.60E-03 | 0.00E+00 |
| 32 | Main Feedwater Pumps | TB | 1 | 1 | 0 | 4 | 0.000 | 1.30E-02 | 0.00E+00 |
| 33 | Turbine Generator Excitor | TB | 0 | 1 | 0 | 1 | 0.000 | 3.90E-03 | 0.00E+00 |
| 34 | Turbine Generator Hydrogen | TB | 0 | 1 | 0 | 1 | 0.000 | 6.50E-03 | 0.00E+00 |
| 35 | Turbine Generator Oil | TB | 0 | 1 | 0 | 1 | 0.000 | 9.50E-03 | 0.00E+00 |
| 36 | Transient fires caused by welding and cutting (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.20E-03 | 0.00E+00 |
| 37 | Transients (Turbine Building) | TB | 0 | 1 | 0 | 21 | 0.000 | 8.50E-03 | 0.00E+00 |

Compartment Fire Frequency (FL) 1.80E-02 <== Not calculated - based on RES/OERAB/S02-01 Table ES-1

Notes:

(A) Number of Ignition Sources in Compartment

(B) Total Number of Ignition Sources in Selected Plant Location or in Plant for Plant Wide Components

Ignition Source Frequency: FIF = WFL*WFIS*FF

Compartment Fire Frequency: FL = SUM(FIF)