

TABLE 4.3-3 TRANSIENT/HOT

| REF. NO. | PAU | PAU DESCRIPTION | TRANSIENT FIRE STANDARD GENERIC LOCATION G GROUP |
|----------|--------------------|--|--|
| | (J) | | (L) |
| 1 | 01AN | Reactor Building - Torus North | CAR |
| 2 | 01AS | Reactor Building - Torus South (Bays 5 - 11) | CAR |
| 3 | 01B | Reactor Building - Northwest Corner Room | CAR |
| 4 | 01C | Reactor Building - Northeast Corner Room | CAR |
| 5 | 01D | Reactor Building - Southeast Corner Room | CAR |
| 6 | 01E | Reactor Building - HPCI Room | CAR |
| 7 | 01F | Reactor Building - RCIC Room | CAR |
| 8 | 01G | Reactor Building - Southwest Corner Room | CAR |
| 9 | 01H | Reactor Building - Radwaste 1T-70 Tank Room | CAR |
| 10 | 02A | Reactor Building - North CRD Module Area | CAR |
| 11 | 02B | Reactor Building - South CRD Module Area | CAR |
| 12 | 02C | Reactor Building - CRD Repair Room | CAR |
| 13 | 02D | Reactor Building - RHR Valve Room | CAR |
| 14 | 02E | Reactor Building - Offgas Recombiner Room | CAR |
| 15 | 02F | Reactor Building - Railroad Airlock | CAR |
| 16 | 02G | Reactor Building - Steam Tunnel | CAR |
| 17 | 02H ⁽¹⁾ | Reactor Building - North Chase | CAR |
| 18 | 02J | Reactor Building - North Stair 8 | CAR |
| 19 | 02K | Reactor Building - South Stair 6 and Elevator | CAR |
| 20 | 02L ⁽¹⁾ | Reactor Building - RHR Valve Room Pipe Chase | CAR |
| 21 | 02M ⁽¹⁾ | Reactor Building - Exhaust Fan Room Chase | CAR |
| 22 | 03A | Reactor Building - North Laydown Area 786' | CAR |
| 23 | 03B | Reactor Building - South Hatch Area 786' | CAR |
| 24 | 03C | Reactor Building - Standby Gas Treatment System Room | CAR |
| 25 | 03D | Reactor Building - MG Sets Room | CAR |
| 26 | 03E | Reactor Building - Spent Resin Tank Room | CAR |
| 27 | 03F | Reactor Building - Cleanup Phase Separator Room | CAR |
| 28 | 04A | Reactor Building - RBCCW Heat Exchanger/Chillers | CAR |
| 29 | 04B | Reactor Building - South Hatch Area 812' | CAR |
| 30 | 04C | Reactor Building - Exhaust Fan Room | CAR |

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| 31 | 04D | Reactor Building - Heating Hot Water Pumps Room | CAR |
| 32 | 04E | Reactor Building - Air Supply Fan Room | CAR |
| 33 | 04F | Reactor Building - Jungle Room | CAR |
| 34 | 04G | Reactor Building - Fuel Pool Pump Area | CAR |
| 35 | 05A | Reactor Building - Laydown and Hatch Area 833' | CAR |
| 36 | 05B | Reactor Building - Phase Separator/Skimmer Surge Tank Rooms | CAR |
| 37 | 05C | Reactor Building - Turbine Building Exhaust Fan Penthouse | CAR |
| 38 | 06A | Reactor Building - Refuel Floor | CAR |
| 61 | 10A | Control Building - Battery Room Corridor | CAR |
| 62 | 10B | Control Building - 1D2, West Battery Room | CAR |
| 63 | 10C | Control Building - 1D4, Middle Battery Room | CAR |
| 64 | 10D | Control Building - 1D1, East Battery Room | CAR |
| 65 | 10E | Control Building - 1A4, West Essential Switchgear Room (Div. II) | CAR |
| 66 | 10F | Control Building - 1A3, East Essential Switchgear Room (Div. I) | CAR |
| 67 | 10G | Control Building - Electrical Chase | CAR |
| 68 | 11A | Control Building - Cable Spreading Room | CAR |
| 69 | 12A | Control Building - Control Room Complex | CAR |
| 70 | 12B | Control Building - Control Building HVAC Room & HVAC Chase | CAR |
| | | | |
| 39 | 07A | Turbine Building - Reactor Feed Pump Area | TB |
| 40 | 07B | Turbine Building - 1A2, Lower Switchgear Room | TB |
| 41 | 07C | Turbine Building - Turbine Lube Oil Tank Area | TB |
| 42 | 07D ⁽¹⁾ | Turbine Building - Turbine Lube Oil Storage Tank Vault | TB |
| 43 | 07E | Turbine Building - Condensate Pump Area | TB |
| 44 | 07F | Turbine Building - Condenser/Heater Bay | TB |
| 45 | 07G | Turbine Building - Steam Jet Air Ejector Room | TB |
| 46 | 07H | Turbine Building - North Stair 12 | TB |
| 47 | 07J | Turbine Building - South Stair 14 | TB |
| 48 | 08A | Turbine Building - Ground Floor North | TB |
| 49 | 08B | Turbine Building - 1A1, Upper Switchgear Room | TB |
| 50 | 08C | Turbine Building - East Tube Pulling Area | TB |
| 51 | 08D | Turbine Building - Ground Floor South | TB |
| 52 | 08E | Turbine Building - Aux Boiler Room | TB |
| 53 | 08F | Turbine Building - 1G-21, 'B' EDG Room (West) | TB |
| 54 | 08G | Turbine Building - 'B' EDG Day Tank Room | TB |
| 55 | 08H | Turbine Building - 1G-31, 'A' EDG Room (East) | TB |
| 56 | 08J | Turbine Building - 'A' EDG Day Tank Room | TB |
| 57 | 08K | Turbine Building - Demineralizer Pump and Tank Cells | TB |
| 58 | 09A | Turbine Building - Op Deck North | TB |
| 59 | 09B ⁽¹⁾ | Turbine Building - Op Deck Middle | TB |
| 60 | 09C | Turbine Building - Op Deck South | TB |

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| 71 | 13A | Radwaste Building - Radwaste Drumming and Shipping Area | PW |
| 72 | 13B | Radwaste Building - Radwaste Treatment and Access Area | PW |

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| 73 | 13C | Radwaste Building - Radwaste Precoat and Access Area | PW |
| 74 | 13D | Radwaste Building - Radwaste Control Room | PW |
| 75 | 13E | Radwaste Building -Stair 18 | PW |
| 76 | 15A | Offgas Retention Building - Offgas Charcoal Absorber Vault | PW |
| 77 | 15B | Offgas Retention Building - Offgas Control and Glycol Area | PW |
| 78 | 15C | Offgas Retention Building - Offgas Prefilter and Condenser Area | PW |
| 79 | 16A | Pumphouse - 'B' RHRSW and ESW Pump Room | PW |
| 80 | 16B | Pumphouse - 'A' RHRSW and ESW Pump Room | PW |
| 81 | 16C | Pumphouse - Main Circ Pump Room and Circ Pit | PW |
| 82 | 16D | Pumphouse -Diesel Fire Pump Room | PW |
| 83 | 16E | Pumphouse - Fire Pump Day Tank Room | PW |
| 84 | 16F | Pumphouse -Basement | PW |
| 85 | 16G | Pumphouse - Stilling Basin and Wet Pits | PW |
| 86 | 17A | Intake Structure - Division I Pump Room (North) | PW |
| 87 | 17B | Intake Structure - Division II Pump Room (South) | PW |
| 88 | 17C | Intake Structure - Division I Screen Area (North) | PW |
| 89 | 17D | Intake Structure - Division II Screen Area (South) | PW |
| 90 | 22A | Service Air Compressor Building | PW |
| 91 | CT1 | A Cooling Tower (West) | PW |
| 92 | CT2 | B Cooling Tower (East) | PW |
| 93 | OAG | Outside Above Ground | PW |
| 94 | OGS | Offgas Stack | PW |
| 95 | OUG | Outside Under Ground | PW |

Notes to Table 4.3-3 by licensee

A value of 1 was assigned to these PAUs for storage to postulate a transient for all PAUs per the

Total Location
Control/Aux/Reactor Buildings (CAR)
Turbine Building (TB)
Plantwide and all Other Locations (PW)

Average Location
Control/Aux/Reactor Buildings (CAR)
Turbine Building (TB)
Plantwide and all Other Locations (PW)

WORK FIRE INFLUENCE FACTORS FROM LAR

| HUMAN ACTIVITY INFLUENCE FACTORS | | | | CABLE INFLUENCE FACTORS | | WEIGHTING FACTORS | | | |
|----------------------------------|----------------------------------|--------------------------------|------------------------------|------------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|--|
| PAU HOTWORK INFLUENCE FACTOR | PAU MECH / ELEC INFLUENCE FACTOR | PAU OCCUPANCY INFLUENCE FACTOR | PAU STORAGE INFLUENCE FACTOR | PAU CABLE LOCATIONWEIGHTING FACTOR | PAU CABLE TOTAL WEIGHTING FACTOR | HOTWORK AND GENERALTRANSIENT (BIN 3) | GENERAL TRANSIENT (BINS 7, 25, 37) | TRANSIENT CAUSED BYCUTTING AND WELDING(BINS 6, 24, 36) | CABLE FIRES CAUSED BY CUTTING ANDWELDING(BINS 5, 11, 31) |
| (N _H) | (N _M) | (N _O) | (N _S) | (W _{C,J,L}) | (W _{C,J}) | (W _{HW/GT}) | (W _{GT}) | (W _{WC}) | (W _{CF}) |
| 1 | 1 | 1 | 3 | 0.00E+00 | 0.00E+00 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 0.00E+00 |
| 1 | 1 | 1 | 3 | 1.38E-02 | 8.43E-03 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 1.25E-02 |
| 1 | 1 | 1 | 3 | 1.55E-03 | 9.46E-04 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 1.41E-03 |
| 1 | 1 | 1 | 3 | 1.37E-02 | 8.36E-03 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 1.24E-02 |
| 1 | 1 | 1 | 3 | 2.46E-03 | 1.50E-03 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 2.23E-03 |
| 3 | 3 | 1 | 3 | 6.88E-03 | 4.20E-03 | 2.15E-02 | 1.69E-02 | 5.88E-02 | 1.87E-02 |
| 3 | 3 | 1 | 3 | 2.67E-03 | 1.63E-03 | 2.15E-02 | 1.69E-02 | 5.88E-02 | 7.27E-03 |
| 1 | 1 | 3 | 3 | 7.68E-04 | 4.69E-04 | 1.72E-02 | 1.69E-02 | 1.96E-02 | 6.96E-04 |
| 1 | 1 | 1 | 1 | 2.18E-03 | 1.33E-03 | 8.60E-03 | 7.25E-03 | 1.96E-02 | 1.98E-03 |
| 1 | 10 | 3 | 3 | 1.06E-01 | 6.45E-02 | 3.66E-02 | 3.86E-02 | 1.96E-02 | 9.58E-02 |
| 1 | 10 | 3 | 3 | 6.82E-02 | 4.16E-02 | 3.66E-02 | 3.86E-02 | 1.96E-02 | 6.18E-02 |
| 1 | 1 | 1 | 3 | 0.00E+00 | 0.00E+00 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 0.00E+00 |
| 1 | 3 | 1 | 3 | 1.48E-03 | 9.00E-04 | 1.72E-02 | 1.69E-02 | 1.96E-02 | 1.34E-03 |
| 1 | 1 | 3 | 1 | 1.18E-02 | 7.19E-03 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 1.07E-02 |
| 1 | 1 | 3 | 3 | 8.61E-04 | 5.25E-04 | 1.72E-02 | 1.69E-02 | 1.96E-02 | 7.80E-04 |
| 1 | 1 | 1 | 3 | 0.00E+00 | 0.00E+00 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 0.00E+00 |
| 0 | 0 | 0 | 1 | 2.45E-02 | 1.49E-02 | 2.15E-03 | 2.42E-03 | 0.00E+00 | 0.00E+00 |
| 1 | 1 | 3 | 1 | 0.00E+00 | 0.00E+00 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 0.00E+00 |
| 1 | 1 | 3 | 1 | 0.00E+00 | 0.00E+00 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 0.00E+00 |
| 0 | 0 | 0 | 1 | 0.00E+00 | 0.00E+00 | 2.15E-03 | 2.42E-03 | 0.00E+00 | 0.00E+00 |
| 0 | 0 | 0 | 1 | 0.00E+00 | 0.00E+00 | 2.15E-03 | 2.42E-03 | 0.00E+00 | 0.00E+00 |
| 1 | 3 | 3 | 3 | 5.70E-02 | 3.48E-02 | 2.15E-02 | 2.17E-02 | 1.96E-02 | 5.17E-02 |
| 1 | 1 | 10 | 3 | 6.15E-02 | 3.75E-02 | 3.23E-02 | 3.38E-02 | 1.96E-02 | 5.57E-02 |
| 1 | 3 | 3 | 3 | 1.52E-02 | 9.24E-03 | 2.15E-02 | 2.17E-02 | 1.96E-02 | 1.37E-02 |
| 1 | 3 | 1 | 3 | 4.36E-02 | 2.66E-02 | 1.72E-02 | 1.69E-02 | 1.96E-02 | 3.95E-02 |
| 1 | 1 | 1 | 1 | 3.07E-04 | 1.87E-04 | 8.60E-03 | 7.25E-03 | 1.96E-02 | 2.78E-04 |
| 1 | 1 | 1 | 1 | 0.00E+00 | 0.00E+00 | 8.60E-03 | 7.25E-03 | 1.96E-02 | 0.00E+00 |
| 3 | 3 | 3 | 3 | 5.46E-02 | 3.33E-02 | 2.58E-02 | 2.17E-02 | 5.88E-02 | 1.48E-01 |
| 1 | 1 | 3 | 3 | 0.00E+00 | 0.00E+00 | 1.72E-02 | 1.69E-02 | 1.96E-02 | 0.00E+00 |
| 1 | 3 | 1 | 3 | 2.46E-04 | 1.50E-04 | 1.72E-02 | 1.69E-02 | 1.96E-02 | 2.23E-04 |

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|---|----|----|----|----------|----------|----------|----------|----------|----------|
| 1 | 1 | 1 | 1 | 5.23E-03 | 3.19E-03 | 8.60E-03 | 7.25E-03 | 1.96E-02 | 4.73E-03 |
| 1 | 3 | 1 | 3 | 3.38E-04 | 2.06E-04 | 1.72E-02 | 1.69E-02 | 1.96E-02 | 3.06E-04 |
| 1 | 3 | 3 | 3 | 6.15E-05 | 3.75E-05 | 2.15E-02 | 2.17E-02 | 1.96E-02 | 5.57E-05 |
| 1 | 1 | 1 | 3 | 6.05E-03 | 3.69E-03 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 5.49E-03 |
| 1 | 1 | 3 | 3 | 2.77E-04 | 1.69E-04 | 1.72E-02 | 1.69E-02 | 1.96E-02 | 2.51E-04 |
| 1 | 1 | 1 | 3 | 2.34E-03 | 1.42E-03 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 2.12E-03 |
| 1 | 1 | 1 | 1 | 0.00E+00 | 0.00E+00 | 8.60E-03 | 7.25E-03 | 1.96E-02 | 0.00E+00 |
| 1 | 1 | 1 | 3 | 9.22E-05 | 5.62E-05 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 8.35E-05 |
| 1 | 10 | 3 | 3 | 2.72E-03 | 1.66E-03 | 3.66E-02 | 3.86E-02 | 1.96E-02 | 2.46E-03 |
| 1 | 10 | 3 | 3 | 0.00E+00 | 0.00E+00 | 3.66E-02 | 3.86E-02 | 1.96E-02 | 0.00E+00 |
| 1 | 10 | 3 | 3 | 0.00E+00 | 0.00E+00 | 3.66E-02 | 3.86E-02 | 1.96E-02 | 0.00E+00 |
| 1 | 10 | 3 | 3 | 2.51E-02 | 1.53E-02 | 3.66E-02 | 3.86E-02 | 1.96E-02 | 2.27E-02 |
| 1 | 10 | 3 | 3 | 2.96E-02 | 1.80E-02 | 3.66E-02 | 3.86E-02 | 1.96E-02 | 2.68E-02 |
| 1 | 1 | 1 | 1 | 0.00E+00 | 0.00E+00 | 8.60E-03 | 7.25E-03 | 1.96E-02 | 0.00E+00 |
| 1 | 1 | 1 | 1 | 3.15E-01 | 1.92E-01 | 8.60E-03 | 7.25E-03 | 1.96E-02 | 2.85E-01 |
| 1 | 50 | 10 | 10 | 1.24E-01 | 7.59E-02 | 1.53E-01 | 1.69E-01 | 1.96E-02 | 1.13E-01 |
| 1 | 3 | 1 | 3 | 9.22E-05 | 5.62E-05 | 1.72E-02 | 1.69E-02 | 1.96E-02 | 8.35E-05 |
| | | | | | | | | | |
| 3 | 3 | 3 | 3 | 1.29E-01 | 3.44E-02 | 7.10E-02 | 6.21E-02 | 1.25E-01 | 3.07E-01 |
| 1 | 3 | 3 | 3 | 1.03E-01 | 2.76E-02 | 5.92E-02 | 6.21E-02 | 4.17E-02 | 8.20E-02 |
| 1 | 1 | 3 | 3 | 4.63E-02 | 1.24E-02 | 4.73E-02 | 4.83E-02 | 4.17E-02 | 3.67E-02 |
| 0 | 0 | 0 | 1 | 0.00E+00 | 0.00E+00 | 5.92E-03 | 6.90E-03 | 0.00E+00 | 0.00E+00 |
| 1 | 3 | 3 | 3 | 8.66E-02 | 2.31E-02 | 5.92E-02 | 6.21E-02 | 4.17E-02 | 6.87E-02 |
| 1 | 1 | 1 | 1 | 1.79E-01 | 4.78E-02 | 2.37E-02 | 2.07E-02 | 4.17E-02 | 1.42E-01 |
| 1 | 1 | 1 | 1 | 0.00E+00 | 0.00E+00 | 2.37E-02 | 2.07E-02 | 4.17E-02 | 0.00E+00 |
| 1 | 1 | 3 | 3 | 0.00E+00 | 0.00E+00 | 4.73E-02 | 4.83E-02 | 4.17E-02 | 0.00E+00 |
| 1 | 1 | 1 | 3 | 0.00E+00 | 0.00E+00 | 3.55E-02 | 3.45E-02 | 4.17E-02 | 0.00E+00 |
| 1 | 3 | 3 | 3 | 2.51E-01 | 6.69E-02 | 5.92E-02 | 6.21E-02 | 4.17E-02 | 1.99E-01 |
| 1 | 3 | 3 | 3 | 6.73E-02 | 1.79E-02 | 5.92E-02 | 6.21E-02 | 4.17E-02 | 5.33E-02 |
| 1 | 1 | 3 | 3 | 3.15E-02 | 8.40E-03 | 4.73E-02 | 4.83E-02 | 4.17E-02 | 2.50E-02 |
| 1 | 3 | 3 | 10 | 8.78E-02 | 2.34E-02 | 1.01E-01 | 1.10E-01 | 4.17E-02 | 6.97E-02 |
| 3 | 3 | 3 | 3 | 1.62E-03 | 4.31E-04 | 7.10E-02 | 6.21E-02 | 1.25E-01 | 3.84E-03 |
| 1 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 5.92E-02 | 6.21E-02 | 4.17E-02 | 0.00E+00 |
| 1 | 1 | 1 | 1 | 0.00E+00 | 0.00E+00 | 2.37E-02 | 2.07E-02 | 4.17E-02 | 0.00E+00 |
| 1 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 5.92E-02 | 6.21E-02 | 4.17E-02 | 0.00E+00 |
| 1 | 1 | 1 | 1 | 0.00E+00 | 0.00E+00 | 2.37E-02 | 2.07E-02 | 4.17E-02 | 0.00E+00 |
| 1 | 1 | 1 | 1 | 0.00E+00 | 0.00E+00 | 2.37E-02 | 2.07E-02 | 4.17E-02 | 0.00E+00 |
| 1 | 1 | 3 | 3 | 1.70E-02 | 4.53E-03 | 4.73E-02 | 4.83E-02 | 4.17E-02 | 1.35E-02 |
| 0 | 0 | 0 | 1 | 0.00E+00 | 0.00E+00 | 5.92E-03 | 6.90E-03 | 0.00E+00 | 0.00E+00 |
| 1 | 1 | 3 | 3 | 0.00E+00 | 0.00E+00 | 4.73E-02 | 4.83E-02 | 4.17E-02 | 0.00E+00 |

| | | | | | | | | | |
|---|---|---|---|----------|----------|----------|----------|----------|----------|
| 1 | 1 | 1 | 3 | 6.44E-02 | 7.95E-03 | 2.33E-02 | 2.34E-02 | 2.27E-02 | 3.72E-02 |
| 1 | 1 | 1 | 3 | 4.19E-02 | 5.17E-03 | 2.33E-02 | 2.34E-02 | 2.27E-02 | 2.42E-02 |

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|----|----|----|----|----------|----------|----------|----------|----------|----------|
| 1 | 1 | 3 | 3 | 7.77E-02 | 9.59E-03 | 3.10E-02 | 3.27E-02 | 2.27E-02 | 4.49E-02 |
| 1 | 3 | 3 | 3 | 1.24E-01 | 1.53E-02 | 3.88E-02 | 4.21E-02 | 2.27E-02 | 7.18E-02 |
| 1 | 1 | 3 | 3 | 0.00E+00 | 0.00E+00 | 3.10E-02 | 3.27E-02 | 2.27E-02 | 0.00E+00 |
| 1 | 1 | 1 | 1 | 1.47E-02 | 1.81E-03 | 1.55E-02 | 1.40E-02 | 2.27E-02 | 8.46E-03 |
| 1 | 1 | 1 | 3 | 8.01E-02 | 9.88E-03 | 2.33E-02 | 2.34E-02 | 2.27E-02 | 4.62E-02 |
| 1 | 1 | 3 | 1 | 5.14E-02 | 6.33E-03 | 2.33E-02 | 2.34E-02 | 2.27E-02 | 2.96E-02 |
| 1 | 3 | 3 | 3 | 2.58E-02 | 3.19E-03 | 3.88E-02 | 4.21E-02 | 2.27E-02 | 1.49E-02 |
| 1 | 3 | 3 | 3 | 2.74E-02 | 3.38E-03 | 3.88E-02 | 4.21E-02 | 2.27E-02 | 1.58E-02 |
| 1 | 3 | 3 | 3 | 8.42E-02 | 1.04E-02 | 3.88E-02 | 4.21E-02 | 2.27E-02 | 4.86E-02 |
| 1 | 10 | 3 | 3 | 0.00E+00 | 0.00E+00 | 6.59E-02 | 7.48E-02 | 2.27E-02 | 0.00E+00 |
| 1 | 1 | 3 | 3 | 0.00E+00 | 0.00E+00 | 3.10E-02 | 3.27E-02 | 2.27E-02 | 0.00E+00 |
| 1 | 1 | 1 | 1 | 2.45E-02 | 3.03E-03 | 1.55E-02 | 1.40E-02 | 2.27E-02 | 1.42E-02 |
| 1 | 3 | 1 | 0 | 0.00E+00 | 0.00E+00 | 1.94E-02 | 1.87E-02 | 2.27E-02 | 0.00E+00 |
| 1 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 3.88E-02 | 4.21E-02 | 2.27E-02 | 0.00E+00 |
| 1 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 3.88E-02 | 4.21E-02 | 2.27E-02 | 0.00E+00 |
| 1 | 3 | 3 | 3 | 8.66E-03 | 1.07E-03 | 3.88E-02 | 4.21E-02 | 2.27E-02 | 5.00E-03 |
| 1 | 3 | 3 | 3 | 8.66E-03 | 1.07E-03 | 3.88E-02 | 4.21E-02 | 2.27E-02 | 5.00E-03 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 4.65E-02 | 4.21E-02 | 6.82E-02 | 0.00E+00 |
| 3 | 3 | 3 | 3 | 1.83E-01 | 2.26E-02 | 4.65E-02 | 4.21E-02 | 6.82E-02 | 3.17E-01 |
| 3 | 3 | 3 | 3 | 1.83E-01 | 2.26E-02 | 4.65E-02 | 4.21E-02 | 6.82E-02 | 3.18E-01 |
| 10 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 1.55E-01 | 1.40E-01 | 2.27E-01 | 0.00E+00 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 4.65E-02 | 4.21E-02 | 6.82E-02 | 0.00E+00 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 4.65E-02 | 4.21E-02 | 6.82E-02 | 0.00E+00 |

≥ ASME/ANS RA-Sa-2009 standard.

| | | | | | | | | | |
|-----|-----|-----|-----|----------|----------|----------|----------|----------|----------|
| 119 | 297 | 219 | 257 | 3.00E+00 | 1.00E+00 | 3.00E+00 | 3.00E+00 | 3.00E+00 | 3.00E+00 |
| 51 | 188 | 101 | 125 | 1.00E+00 | 6.10E-01 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 |
| 24 | 38 | 48 | 59 | 1.00E+00 | 2.67E-01 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 |
| 44 | 71 | 70 | 73 | 9.99E-01 | 1.23E-01 | 1.00E+00 | 1.00E+00 | 9.99E-01 | 1.00E+00 |

| | | | |
|-------|-------|-------|-------|
| 1.253 | 3.126 | 2.305 | 2.705 |
| 1.063 | 3.917 | 2.104 | 2.604 |
| 1.091 | 1.727 | 2.182 | 2.682 |
| 1.760 | 2.840 | 2.800 | 2.920 |

Confirmatory **calculations**

| CABLE SELF IGN. AND JUNCTION BOXES (BINS 12 AND 18) | WEIGHTING FACTORS | | | | | (NH) x (W _{C,1}) |
|---|---|---------------------------------------|--|---|---|-------------------------------|
| | HOTWORK AND GENERAL TRANSIENT (BIN 3) | GENERAL TRANSIENT (BINS 7, 25, 37) | TRANSIENT CAUSED BY CUTTING AND WELDING (BINS 6, 24, 36) | CABLE FIRES CAUSED BY CUTTING AND WELDING (BINS 5, 11, 31) | CABLE SELF IGN. AND JUNCTION BOXES (BINS 12 AND 18) | |
| (W _{C,3}) | (W _{HW/GT}) | (W _{GT}) | (W _{WC}) | (W _{CF}) | (W _{C,1}) | |
| 0.00E+00 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 8.43E-03 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 1.25E-02 | 8.43E-03 | 8.43E-03 |
| 9.46E-04 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 1.41E-03 | 9.46E-04 | 9.46E-04 |
| 8.36E-03 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 1.24E-02 | 8.36E-03 | 8.36E-03 |
| 1.50E-03 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 2.23E-03 | 1.50E-03 | 1.50E-03 |
| 4.20E-03 | 2.15E-02 | 1.69E-02 | 5.88E-02 | 1.87E-02 | 4.20E-03 | 1.26E-02 |
| 1.63E-03 | 2.15E-02 | 1.69E-02 | 5.88E-02 | 7.26E-03 | 1.63E-03 | 4.89E-03 |
| 4.69E-04 | 1.72E-02 | 1.69E-02 | 1.96E-02 | 6.97E-04 | 4.69E-04 | 4.69E-04 |
| 1.33E-03 | 8.60E-03 | 7.25E-03 | 1.96E-02 | 1.98E-03 | 1.33E-03 | 1.33E-03 |
| 6.45E-02 | 3.66E-02 | 3.86E-02 | 1.96E-02 | 9.58E-02 | 6.45E-02 | 6.45E-02 |
| 4.16E-02 | 3.66E-02 | 3.86E-02 | 1.96E-02 | 6.18E-02 | 4.16E-02 | 4.16E-02 |
| 0.00E+00 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 9.00E-04 | 1.72E-02 | 1.69E-02 | 1.96E-02 | 1.34E-03 | 9.00E-04 | 9.00E-04 |
| 7.19E-03 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 1.07E-02 | 7.19E-03 | 7.19E-03 |
| 5.25E-04 | 1.72E-02 | 1.69E-02 | 1.96E-02 | 7.80E-04 | 5.25E-04 | 5.25E-04 |
| 0.00E+00 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 1.49E-02 | 2.15E-03 | 2.42E-03 | 0.00E+00 | 0.00E+00 | 1.49E-02 | 0.00E+00 |
| 0.00E+00 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 2.15E-03 | 2.42E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 2.15E-03 | 2.42E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 3.48E-02 | 2.15E-02 | 2.17E-02 | 1.96E-02 | 5.17E-02 | 3.48E-02 | 3.48E-02 |
| 3.75E-02 | 3.23E-02 | 3.38E-02 | 1.96E-02 | 5.57E-02 | 3.75E-02 | 3.75E-02 |
| 9.24E-03 | 2.15E-02 | 2.17E-02 | 1.96E-02 | 1.37E-02 | 9.24E-03 | 9.24E-03 |
| 2.66E-02 | 1.72E-02 | 1.69E-02 | 1.96E-02 | 3.95E-02 | 2.66E-02 | 2.66E-02 |
| 1.87E-04 | 8.60E-03 | 7.25E-03 | 1.96E-02 | 2.78E-04 | 1.87E-04 | 1.87E-04 |
| 0.00E+00 | 8.60E-03 | 7.25E-03 | 1.96E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 3.33E-02 | 2.58E-02 | 2.17E-02 | 5.88E-02 | 1.48E-01 | 3.33E-02 | 9.99E-02 |
| 0.00E+00 | 1.72E-02 | 1.69E-02 | 1.96E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 1.50E-04 | 1.72E-02 | 1.69E-02 | 1.96E-02 | 2.23E-04 | 1.50E-04 | 1.50E-04 |

| | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|
| 3.19E-03 | 8.60E-03 | 7.25E-03 | 1.96E-02 | 4.74E-03 | 3.19E-03 | 3.19E-03 |
| 2.06E-04 | 1.72E-02 | 1.69E-02 | 1.96E-02 | 3.06E-04 | 2.06E-04 | 2.06E-04 |
| 3.75E-05 | 2.15E-02 | 2.17E-02 | 1.96E-02 | 5.57E-05 | 3.75E-05 | 3.75E-05 |
| 3.69E-03 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 5.48E-03 | 3.69E-03 | 3.69E-03 |
| 1.69E-04 | 1.72E-02 | 1.69E-02 | 1.96E-02 | 2.51E-04 | 1.69E-04 | 1.69E-04 |
| 1.42E-03 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 2.11E-03 | 1.42E-03 | 1.42E-03 |
| 0.00E+00 | 8.60E-03 | 7.25E-03 | 1.96E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 5.62E-05 | 1.29E-02 | 1.21E-02 | 1.96E-02 | 8.35E-05 | 5.62E-05 | 5.62E-05 |
| 1.66E-03 | 3.66E-02 | 3.86E-02 | 1.96E-02 | 2.47E-03 | 1.66E-03 | 1.66E-03 |
| 0.00E+00 | 3.66E-02 | 3.86E-02 | 1.96E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 3.66E-02 | 3.86E-02 | 1.96E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 3.66E-02 | 3.86E-02 | 1.96E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 1.53E-02 | 3.66E-02 | 3.86E-02 | 1.96E-02 | 2.27E-02 | 1.53E-02 | 1.53E-02 |
| 1.80E-02 | 3.66E-02 | 3.86E-02 | 1.96E-02 | 2.67E-02 | 1.80E-02 | 1.80E-02 |
| 0.00E+00 | 8.60E-03 | 7.25E-03 | 1.96E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 1.92E-01 | 8.60E-03 | 7.25E-03 | 1.96E-02 | 2.85E-01 | 1.92E-01 | 1.92E-01 |
| 7.59E-02 | 1.53E-01 | 1.69E-01 | 1.96E-02 | 1.13E-01 | 7.59E-02 | 7.59E-02 |
| 5.62E-05 | 1.72E-02 | 1.69E-02 | 1.96E-02 | 8.35E-05 | 5.62E-05 | 5.62E-05 |
| | | | | | | |
| 3.44E-02 | 7.10E-02 | 6.21E-02 | 1.25E-01 | 3.07E-01 | 3.44E-02 | 1.03E-01 |
| 2.76E-02 | 5.92E-02 | 6.21E-02 | 4.17E-02 | 8.20E-02 | 2.76E-02 | 2.76E-02 |
| 1.24E-02 | 4.73E-02 | 4.83E-02 | 4.17E-02 | 3.68E-02 | 1.24E-02 | 1.24E-02 |
| 0.00E+00 | 5.92E-03 | 6.90E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 2.31E-02 | 5.92E-02 | 6.21E-02 | 4.17E-02 | 6.86E-02 | 2.31E-02 | 2.31E-02 |
| 4.78E-02 | 2.37E-02 | 2.07E-02 | 4.17E-02 | 1.42E-01 | 4.78E-02 | 4.78E-02 |
| 0.00E+00 | 2.37E-02 | 2.07E-02 | 4.17E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 4.73E-02 | 4.83E-02 | 4.17E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 3.55E-02 | 3.45E-02 | 4.17E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 6.69E-02 | 5.92E-02 | 6.21E-02 | 4.17E-02 | 1.99E-01 | 6.69E-02 | 6.69E-02 |
| 1.79E-02 | 5.92E-02 | 6.21E-02 | 4.17E-02 | 5.32E-02 | 1.79E-02 | 1.79E-02 |
| 8.40E-03 | 4.73E-02 | 4.83E-02 | 4.17E-02 | 2.50E-02 | 8.40E-03 | 8.40E-03 |
| 2.34E-02 | 1.01E-01 | 1.10E-01 | 4.17E-02 | 6.95E-02 | 2.34E-02 | 2.34E-02 |
| 4.31E-04 | 7.10E-02 | 6.21E-02 | 1.25E-01 | 3.84E-03 | 4.31E-04 | 1.29E-03 |
| 0.00E+00 | 5.92E-02 | 6.21E-02 | 4.17E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 2.37E-02 | 2.07E-02 | 4.17E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 5.92E-02 | 6.21E-02 | 4.17E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 2.37E-02 | 2.07E-02 | 4.17E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 2.37E-02 | 2.07E-02 | 4.17E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 4.53E-03 | 4.73E-02 | 4.83E-02 | 4.17E-02 | 1.35E-02 | 4.53E-03 | 4.53E-03 |
| 0.00E+00 | 5.92E-03 | 6.90E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 4.73E-02 | 4.83E-02 | 4.17E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | | | | | | |
| 7.95E-03 | 2.33E-02 | 2.34E-02 | 2.27E-02 | 3.72E-02 | 7.95E-03 | 7.95E-03 |
| 5.17E-03 | 2.33E-02 | 2.34E-02 | 2.27E-02 | 2.42E-02 | 5.17E-03 | 5.17E-03 |

| | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|
| 9.59E-03 | 3.10E-02 | 3.27E-02 | 2.27E-02 | 4.49E-02 | 9.59E-03 | 9.59E-03 |
| 1.53E-02 | 3.88E-02 | 4.21E-02 | 2.27E-02 | 7.16E-02 | 1.53E-02 | 1.53E-02 |
| 0.00E+00 | 3.10E-02 | 3.27E-02 | 2.27E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 1.81E-03 | 1.55E-02 | 1.40E-02 | 2.27E-02 | 8.47E-03 | 1.81E-03 | 1.81E-03 |
| 9.88E-03 | 2.33E-02 | 2.34E-02 | 2.27E-02 | 4.62E-02 | 9.88E-03 | 9.88E-03 |
| 6.33E-03 | 2.33E-02 | 2.34E-02 | 2.27E-02 | 2.96E-02 | 6.33E-03 | 6.33E-03 |
| 3.19E-03 | 3.88E-02 | 4.21E-02 | 2.27E-02 | 1.49E-02 | 3.19E-03 | 3.19E-03 |
| 3.38E-03 | 3.88E-02 | 4.21E-02 | 2.27E-02 | 1.58E-02 | 3.38E-03 | 3.38E-03 |
| 1.04E-02 | 3.88E-02 | 4.21E-02 | 2.27E-02 | 4.87E-02 | 1.04E-02 | 1.04E-02 |
| 0.00E+00 | 6.59E-02 | 7.48E-02 | 2.27E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 3.10E-02 | 3.27E-02 | 2.27E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 3.03E-03 | 1.55E-02 | 1.40E-02 | 2.27E-02 | 1.42E-02 | 3.03E-03 | 3.03E-03 |
| 0.00E+00 | 1.94E-02 | 1.87E-02 | 2.27E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 3.88E-02 | 4.21E-02 | 2.27E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 3.88E-02 | 4.21E-02 | 2.27E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 1.07E-03 | 3.88E-02 | 4.21E-02 | 2.27E-02 | 5.01E-03 | 1.07E-03 | 1.07E-03 |
| 1.07E-03 | 3.88E-02 | 4.21E-02 | 2.27E-02 | 5.01E-03 | 1.07E-03 | 1.07E-03 |
| 0.00E+00 | 4.65E-02 | 4.21E-02 | 6.82E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 2.26E-02 | 4.65E-02 | 4.21E-02 | 6.82E-02 | 3.17E-01 | 2.26E-02 | 6.78E-02 |
| 2.26E-02 | 4.65E-02 | 4.21E-02 | 6.82E-02 | 3.17E-01 | 2.26E-02 | 6.78E-02 |
| 0.00E+00 | 1.55E-01 | 1.40E-01 | 2.27E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 4.65E-02 | 4.21E-02 | 6.82E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 4.65E-02 | 4.21E-02 | 6.82E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

1.00E+00
6.10E-01
2.67E-01
1.23E-01

1.22E+00
6.73E-01
3.37E-01
2.14E-01

Comparison of Confirmatory Calcs. to Licensee Calcs.

Error Factor: 0.01

0: agreement; 1: doesn't agree

[illegible]

[illegible]

[illegible]

TABLE 4.1-1 PLANT SPECIFIC FIFS BASED ON NUREG/CR-6850 GENERIC PRIOR FIFS

| BIN | PRIOR ⁽¹⁾ | | PLANT | | POSTERIOR ⁽⁴⁾ | | | |
|--------------------|----------------------|--------------|----------------------|-------|--------------------------|-----------------|----------|------------------|
| | MEAN | RANGE FACTOR | EVENT ⁽²⁾ | YEARS | MEAN | 5 TH | MEDIAN | 95 TH |
| 1 | 7.50E-04 | 11 | 0 | 7.25 | 7.24E-04 | 2.32E-05 | 2.54E-04 | 2.74E-03 |
| 2 | 6.10E-03 | 7.4 | 0 | 6.59 | 5.47E-03 | 3.81E-04 | 2.75E-03 | 1.89E-02 |
| 3 | 2.00E-03 | 6.7 | 0 | 6.59 | 1.93E-03 | 1.50E-04 | 9.99E-04 | 6.54E-03 |
| 4 | 2.50E-03 | 9.3 | 0 | 7.25 | 2.31E-03 | 1.05E-04 | 9.63E-04 | 8.53E-03 |
| 5 | 1.60E-03 | 12.7 | 0 | 6.59 | 1.48E-03 | 3.75E-05 | 4.71E-04 | 5.74E-03 |
| 6 | 9.70E-03 | 19.3 | 0 | 6.59 | 6.24E-03 | 9.44E-05 | 1.72E-03 | 2.61E-02 |
| 7 | 3.90E-03 | 8.3 | 0 | 6.59 | 3.57E-03 | 2.00E-04 | 1.63E-03 | 1.28E-02 |
| 8 | 2.10E-02 | 5.9 | 0 | 7.25 | 1.67E-02 | 1.84E-03 | 1.03E-02 | 5.19E-02 |
| 9 | 2.40E-03 | 14.4 | 0 | 7.25 | 2.09E-03 | 4.37E-05 | 6.19E-04 | 8.28E-03 |
| 10 | 1.80E-03 | 8.4 | 0 | 7.25 | 1.71E-03 | 9.10E-05 | 7.58E-04 | 6.17E-03 |
| 11 | 2.00E-03 | 16.7 | 0 | 6.59 | 1.74E-03 | 2.71E-05 | 4.46E-04 | 6.98E-03 |
| 12 | 4.40E-03 | 7.1 | 0 | 7.25 | 4.05E-03 | 2.96E-04 | 2.07E-03 | 1.39E-02 |
| 13 | 2.60E-03 | 12.5 | 0 | 7.25 | 2.30E-03 | 6.25E-05 | 7.68E-04 | 8.96E-03 |
| 14 | 4.60E-03 | 7.4 | 0 | 7.25 | 4.19E-03 | 2.88E-04 | 2.09E-03 | 1.45E-02 |
| 15 | 4.50E-02 | 4.4 | 0 | 7.25 | 3.41E-02 | 6.06E-03 | 2.47E-02 | 9.18E-02 |
| 16a | 4.80E-04 | 9.7 | 0 | 7.25 | 4.71E-04 | 1.88E-05 | 1.82E-04 | 1.75E-03 |
| 16b | 1.40E-03 | 10.4 | 0 | 7.25 | 1.32E-03 | 4.80E-05 | 4.95E-04 | 4.98E-03 |
| 16c | 3.27E-03 | 17.61 | 0 | 7.25 | 2.62E-03 | 3.94E-05 | 6.78E-04 | 1.07E-02 |
| 16d ⁽³⁾ | 1.85E-03 | 12.81 | 0 | 3.5 | 1.75E-03 | 4.27E-05 | 5.44E-04 | 6.78E-03 |
| 17 | 1.70E-03 | 7.8 | 0 | 7.25 | 1.63E-03 | 9.81E-05 | 7.59E-04 | 5.76E-03 |
| 18 | 1.90E-03 | 20.2 | 0 | 7.25 | 1.59E-03 | 1.73E-05 | 3.45E-04 | 6.44E-03 |
| 19 | 2.50E-03 | 14.1 | 0 | 7.25 | 2.17E-03 | 4.75E-05 | 6.58E-04 | 8.61E-03 |
| 20 | 4.40E-02 | 6.9 | 0 | 6.59 | 2.87E-02 | 2.81E-03 | 1.73E-02 | 9.09E-02 |
| 21 | 2.10E-02 | 4.6 | 0 | 7.25 | 1.78E-02 | 2.78E-03 | 1.22E-02 | 5.06E-02 |
| 22 | 1.60E-03 | 7 | 0 | 6.59 | 1.55E-03 | 1.12E-04 | 7.77E-04 | 5.33E-03 |
| 23 | 9.90E-03 | 6.6 | 0 | 7.25 | 8.53E-03 | 7.42E-04 | 4.73E-03 | 2.82E-02 |
| 24 | 4.90E-03 | 15.7 | 0 | 6.59 | 3.86E-03 | 7.43E-05 | 1.13E-03 | 1.56E-02 |
| 25 | 9.90E-03 | 15.6 | 0 | 6.59 | 6.84E-03 | 1.49E-04 | 2.21E-03 | 2.77E-02 |
| 26 | 7.40E-03 | 9.2 | 0 | 7.25 | 6.16E-03 | 3.10E-04 | 2.76E-03 | 2.25E-02 |
| 27 | 6.00E-03 | 7.2 | 0 | 6.59 | 5.41E-03 | 3.93E-04 | 2.77E-03 | 1.86E-02 |
| 28 | 1.20E-02 | 5.1 | 0 | 6.59 | 1.07E-02 | 1.38E-03 | 6.83E-03 | 3.24E-02 |
| 29 | 2.20E-03 | 12.6 | 0 | 6.59 | 1.99E-03 | 5.22E-05 | 6.49E-04 | 7.74E-03 |
| 30 | 1.10E-03 | 7 | 0 | 7.25 | 1.07E-03 | 7.68E-05 | 5.35E-04 | 3.69E-03 |
| 31 | 1.60E-03 | 16.1 | 0 | 6.59 | 1.43E-03 | 2.34E-05 | 3.73E-04 | 5.69E-03 |
| 32 | 1.30E-02 | 19.1 | 0 | 6.59 | 7.79E-03 | 1.28E-04 | 2.27E-03 | 3.25E-02 |
| 33 | 3.90E-03 | 6.8 | 0 | 6.59 | 3.66E-03 | 2.84E-04 | 1.90E-03 | 1.24E-02 |
| 34 | 6.50E-03 | 6.5 | 0 | 6.59 | 5.91E-03 | 5.07E-04 | 3.22E-03 | 1.96E-02 |
| 35 | 9.50E-03 | 6.4 | 0 | 6.59 | 8.37E-03 | 7.53E-04 | 4.68E-03 | 2.75E-02 |

| | | | | | | | | |
|----|----------|------|---|------|----------|----------|----------|----------|
| 36 | 8.20E-03 | 7.9 | 0 | 6.59 | 7.05E-03 | 4.53E-04 | 3.47E-03 | 2.47E-02 |
| 37 | 8.50E-03 | 15.7 | 0 | 6.59 | 6.05E-03 | 1.27E-04 | 1.90E-03 | 2.46E-02 |

(1) Generic Values from NUREG/CR-6850, Section 6, Table 6-1; FAQ 06-0017 (Bins 16a, 16b); FAQ 07-0035 (Bins

(2) Number of potentially challenging fires occurring at plant during update period. Refer to Appendix A of this rep

(3) Period of time for updating differs for Bin 16d as described in FAQ 07-0035.

(4) Bayesian updated values

2.33E-01

| RANGE FACTOR | Location |
|-------------------------|------------------------------|
| 10.87 | Battery Room |
| 7.05 | Containment (PWR) |
| 6.6 | Containment (PWR) |
| 9.02 | Control Room |
| 12.37 | Control/Aux/Reactor Building |
| 16.62 | Control/Aux/Reactor Building |
| 8 | Control/Aux/Reactor Building |
| 5.31 | Diesel Generator Room |
| 13.76 | Plant-Wide Components |
| 8.23 | Plant-Wide Components |
| 16.05 | Plant-Wide Components |
| 6.84 | Plant-Wide Components |
| 11.98 | Plant-Wide Components |
| 7.11 | Plant-Wide Components |
| 3.89 | Plant-Wide Components |
| 9.63 | Plant-Wide Components |
| 10.19 | Plant-Wide Components |
| 16.46 | Plant-Wide Components |
| 12.6 | Plant-Wide Components |
| 7.66 | Plant-Wide Components |
| 19.27 | Plant-Wide Components |
| 13.47 | Plant-Wide Components |
| 5.69 | Plant-Wide Components |
| 4.27 | Plant-Wide Components |
| 6.91 | Plant-Wide Components |
| 6.17 | Plant-Wide Components |
| 14.49 | Plant-Wide Components |
| 13.63 | Plant-Wide Components |
| 8.52 | Plant-Wide Components |
| 6.88 | Transformer Yard 3 |
| 4.85 | Transformer Yard 3 |
| 12.18 | Transformer Yard |
| 6.93 | Turbine Building |
| 15.6 | Turbine Building |
| 15.94 | Turbine Building |
| 6.61 | Turbine Building |
| 6.23 | Turbine Building |
| 6.04 | Turbine Building |

| |
|------|
| 7.39 |
| 13.9 |

Turbine Building
Turbine Building

§ 16c, 16d)
ort.

Ignition Source

Batteries

Reactor Coolant Pump

Transients and Hotwork

Main Control Board

Cable fires caused by welding and cutting

Transient fires caused by welding and cutting

Transients

Diesel Generators

Air Compressors

Battery Chargers

Cable fires caused by welding and cutting

Cable Run (Self-ignited cable fires)

Dryers

Electric Motors

Electrical Cabinets

High Energy Arcing Faults¹

High Energy Arcing Faults¹

High Energy Arcing Faults¹

High Energy Arcing Faults¹

Hydrogen Tanks

Junction Boxes

Misc. Hydrogen Fires

Off-gas/H₂ Recombiner (BWR)

Pumps

RPS MG Sets

Transformers (Oil filled) Transformers (Dry)

Transient fires caused by welding and cutting

Transients

Ventilation Subsystems

Transformer – Catastrophic²

Transformer - Non Catastrophic²

Yard transformers (Others)

Boiler

Cable fires caused by welding and cutting

Main Feedwater Pumps

Turbine Generator Excitor

Turbine Generator Hydrogen

Turbine Generator Oil

Transient fires caused by welding and cutting
Transients

TABLE 4.1-1 PLANT SPECIFIC FIFS BASED ON NUREG/CR-6850 GENERIC PRIOR FIFS (adjusted for l

| BIN | PRIOR ⁽¹⁾ | | PLANT | | POSTERIOR ⁽⁴⁾ | | | |
|--------------------|----------------------|--------------|----------------------|-------|--------------------------|-----------------|----------|------------------|
| | MEAN | RANGE FACTOR | EVENT ⁽²⁾ | YEARS | MEAN | 5 TH | MEDIAN | 95 TH |
| 1 | 7.50E-04 | 11 | 0 | 7.25 | 7.24E-04 | 2.32E-05 | 2.54E-04 | 2.74E-03 |
| 2 | 6.10E-03 | 7.4 | 0 | 6.59 | 5.47E-03 | 3.81E-04 | 2.75E-03 | 1.89E-02 |
| 3 | 2.00E-03 | 6.7 | 0 | 6.59 | 1.93E-03 | 1.50E-04 | 9.99E-04 | 6.54E-03 |
| 4 | 2.50E-03 | 9.3 | 0 | 7.25 | 2.31E-03 | 1.05E-04 | 9.63E-04 | 8.53E-03 |
| 5 | 1.60E-03 | 12.7 | 0 | 6.59 | 2.69E-04 | 1.06E-06 | 4.71E-04 | 1.03E-03 |
| 6 | 9.70E-03 | 19.3 | 0 | 6.59 | 6.24E-03 | 9.44E-05 | 1.72E-03 | 2.61E-02 |
| 7 | 3.90E-03 | 8.3 | 0 | 6.59 | 3.57E-03 | 2.00E-04 | 1.63E-03 | 1.28E-02 |
| 8 | 2.10E-02 | 5.9 | 0 | 7.25 | 1.67E-02 | 1.84E-03 | 1.03E-02 | 5.19E-02 |
| 9 | 2.40E-03 | 14.4 | 0 | 7.25 | 2.09E-03 | 4.37E-05 | 6.19E-04 | 8.28E-03 |
| 10 | 1.80E-03 | 8.4 | 0 | 7.25 | 1.71E-03 | 9.10E-05 | 7.58E-04 | 6.17E-03 |
| 11 | 2.00E-03 | 16.7 | 0 | 6.59 | 4.71E-04 | 1.85E-06 | 4.46E-04 | 1.81E-03 |
| 12 | 4.40E-03 | 7.1 | 0 | 7.25 | 4.05E-03 | 2.96E-04 | 2.07E-03 | 1.39E-02 |
| 13 | 2.60E-03 | 12.5 | 0 | 7.25 | 2.30E-03 | 6.25E-05 | 7.68E-04 | 8.96E-03 |
| 14 | 4.60E-03 | 7.4 | 0 | 7.25 | 4.19E-03 | 2.88E-04 | 2.09E-03 | 1.45E-02 |
| 15 | 4.50E-02 | 4.4 | 0 | 7.25 | 3.41E-02 | 6.06E-03 | 2.47E-02 | 9.18E-02 |
| 16a | 4.80E-04 | 9.7 | 0 | 7.25 | 4.71E-04 | 1.88E-05 | 1.82E-04 | 1.75E-03 |
| 16b | 1.40E-03 | 10.4 | 0 | 7.25 | 1.32E-03 | 4.80E-05 | 4.95E-04 | 4.98E-03 |
| 16c | 3.27E-03 | 17.61 | 0 | 7.25 | 2.62E-03 | 3.94E-05 | 6.78E-04 | 1.07E-02 |
| 16d ⁽³⁾ | 1.85E-03 | 12.81 | 0 | 3.5 | 1.75E-03 | 4.27E-05 | 5.44E-04 | 6.78E-03 |
| 17 | 1.70E-03 | 7.8 | 0 | 7.25 | 1.63E-03 | 9.81E-05 | 7.59E-04 | 5.76E-03 |
| 18 | 1.90E-03 | 20.2 | 0 | 7.25 | 1.59E-03 | 1.73E-05 | 3.45E-04 | 6.44E-03 |
| 19 | 2.50E-03 | 14.1 | 0 | 7.25 | 2.17E-03 | 4.75E-05 | 6.58E-04 | 8.61E-03 |
| 20 | 4.40E-02 | 6.9 | 0 | 6.59 | 2.87E-02 | 2.81E-03 | 1.73E-02 | 9.09E-02 |
| 21 | 2.10E-02 | 4.6 | 0 | 7.25 | 1.78E-02 | 2.78E-03 | 1.22E-02 | 5.06E-02 |
| 22 | 1.60E-03 | 7 | 0 | 6.59 | 1.55E-03 | 1.12E-04 | 7.77E-04 | 5.33E-03 |
| 23 | 9.90E-03 | 6.6 | 0 | 7.25 | 8.53E-03 | 7.42E-04 | 4.73E-03 | 2.82E-02 |
| 24 | 4.90E-03 | 15.7 | 0 | 6.59 | 3.86E-03 | 7.43E-05 | 1.13E-03 | 1.56E-02 |
| 25 | 9.90E-03 | 15.6 | 0 | 6.59 | 6.84E-03 | 1.49E-04 | 2.21E-03 | 2.77E-02 |
| 26 | 7.40E-03 | 9.2 | 0 | 7.25 | 6.16E-03 | 3.10E-04 | 2.76E-03 | 2.25E-02 |
| 27 | 6.00E-03 | 7.2 | 0 | 6.59 | 5.41E-03 | 3.93E-04 | 2.77E-03 | 1.86E-02 |
| 28 | 1.20E-02 | 5.1 | 0 | 6.59 | 1.07E-02 | 1.38E-03 | 6.83E-03 | 3.24E-02 |
| 29 | 2.20E-03 | 12.6 | 0 | 6.59 | 1.99E-03 | 5.22E-05 | 6.49E-04 | 7.74E-03 |
| 30 | 1.10E-03 | 7 | 0 | 7.25 | 1.07E-03 | 7.68E-05 | 5.35E-04 | 3.69E-03 |
| 31 | 1.60E-03 | 16.1 | 0 | 6.59 | 4.50E-04 | 1.77E-06 | 3.73E-04 | 1.73E-03 |
| 32 | 1.30E-02 | 19.1 | 0 | 6.59 | 7.79E-03 | 1.28E-04 | 2.27E-03 | 3.25E-02 |
| 33 | 3.90E-03 | 6.8 | 0 | 6.59 | 3.66E-03 | 2.84E-04 | 1.90E-03 | 1.24E-02 |
| 34 | 6.50E-03 | 6.5 | 0 | 6.59 | 5.91E-03 | 5.07E-04 | 3.22E-03 | 1.96E-02 |
| 35 | 9.50E-03 | 6.4 | 0 | 6.59 | 8.37E-03 | 7.53E-04 | 4.68E-03 | 2.75E-02 |

| | | | | | | | | |
|----|----------|------|---|------|----------|----------|----------|----------|
| 36 | 8.20E-03 | 7.9 | 0 | 6.59 | 7.05E-03 | 4.53E-04 | 3.47E-03 | 2.47E-02 |
| 37 | 8.50E-03 | 15.7 | 0 | 6.59 | 6.05E-03 | 1.27E-04 | 1.90E-03 | 2.46E-02 |

(1) Generic Values from NUREG/CR-6850, Section 6, Table 6-1; FAQ 06-0017 (Bins 16a, 16b); FAQ 07-0035 (Bins

(2) Number of potentially challenging fires occurring at plant during update period. Refer to Appendix A of this rep

(3) Period of time for updating differs for Bin 16d as described in FAQ 07-0035.

(4) Bayesian updated values

2.30E-01

JAM)

These entries updated via UAM resolution (cable t

| RANGE FACTOR | Location |
|-----------------|------------------------------|
| 10.87 | Battery Room |
| 7.05 | Containment (PWR) |
| 6.6 | Containment (PWR) |
| 9.02 | Control Room |
| 12.37 | Control/Aux/Reactor Building |
| 16.62 | Control/Aux/Reactor Building |
| 8 | Control/Aux/Reactor Building |
| 5.31 | Diesel Generator Room |
| 13.76 | Plant-Wide Components |
| 8.23 | Plant-Wide Components |
| 16.05 | Plant-Wide Components |
| 6.84 | Plant-Wide Components |
| 11.98 | Plant-Wide Components |
| 7.11 | Plant-Wide Components |
| 3.89 | Plant-Wide Components |
| 9.63 | Plant-Wide Components |
| 10.19 | Plant-Wide Components |
| 16.46 | Plant-Wide Components |
| 12.6 | Plant-Wide Components |
| 7.66 | Plant-Wide Components |
| 19.27 | Plant-Wide Components |
| 13.47 | Plant-Wide Components |
| 5.69 | Plant-Wide Components |
| 4.27 | Plant-Wide Components |
| 6.91 | Plant-Wide Components |
| 6.17 | Plant-Wide Components |
| 14.49 | Plant-Wide Components |
| 13.63 | Plant-Wide Components |
| 8.52 | Plant-Wide Components |
| 6.88 | Transformer Yard 3 |
| 4.85 | Transformer Yard 3 |
| 12.18 | Transformer Yard |
| 6.93 | Turbine Building |
| 15.6 | Turbine Building |
| 15.94 | Turbine Building |
| 6.61 | Turbine Building |
| 6.23 | Turbine Building |
| 6.04 | Turbine Building |

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|------|
| 7.39 |
| 13.9 |

Turbine Building
Turbine Building

; 16c, 16d)
ort.

fires by welding/cutting) by the "Fire PRA Methods Review Panel"

Ignition Source

Batteries

Reactor Coolant Pump

Transients and Hotwork

Main Control Board

Cable fires caused by welding and cutting

Transient fires caused by welding and cutting

Transients

Diesel Generators

Air Compressors

Battery Chargers

Cable fires caused by welding and cutting

Cable Run (Self-ignited cable fires)

Dryers

Electric Motors

Electrical Cabinets

High Energy Arcing Faults¹

High Energy Arcing Faults¹

High Energy Arcing Faults¹

High Energy Arcing Faults¹

Hydrogen Tanks

Junction Boxes

Misc. Hydrogen Fires

Off-gas/H₂ Recombiner (BWR)

Pumps

RPS MG Sets

Transformers (Oil filled) Transformers (Dry)

Transient fires caused by welding and cutting

Transients

Ventilation Subsystems

Transformer – Catastrophic²

Transformer - Non Catastrophic²

Yard transformers (Others)

Boiler

Cable fires caused by welding and cutting

Main Feedwater Pumps

Turbine Generator Excitor

Turbine Generator Hydrogen

Turbine Generator Oil

Transient fires caused by welding and cutting
Transients

TABLE 5.1-1 SUMMARY OF PAU FIRE IGNITION FREQUENCIES

| PAU | PAU DESCRIPTION | FIF (/YR) |
|------------|---|------------------|
| 01AN | Reactor Building - Torus North | 1.65E-04 |
| 01AS | Reactor Building - Torus South (Bays 5 - 11) | 2.32E-04 |
| 01B | Reactor Building - Northwest Corner Room | 8.18E-04 |
| 01C | Reactor Building - Northeast Corner Room | 2.31E-04 |
| 01D | Reactor Building - Southeast Corner Room | 6.84E-04 |
| 01E | Reactor Building - HPCI Room | 9.73E-04 |
| 01F | Reactor Building - RCIC Room | 9.54E-04 |
| 01G | Reactor Building - Southwest Corner Room | 7.63E-04 |
| 01H | Reactor Building - Radwaste 1T-70 Tank Room | 4.50E-04 |
| 02A | Reactor Building - North CRD Module Area | 4.71E-03 |
| 02B | Reactor Building - South CRD Module Area | 2.80E-03 |
| 02C | Reactor Building - CRD Repair Room | 1.65E-04 |
| 02D | Reactor Building - RHR Valve Room | 1.90E-04 |
| 02E | Reactor Building - Offgas Recombiner Room | 2.94E-02 |
| 02F | Reactor Building - Railroad Airlock | 1.87E-04 |
| 02G | Reactor Building - Steam Tunnel | 1.65E-04 |
| 02H | Reactor Building - North Chase | 9.29E-05 |
| 02J | Reactor Building - North Stair 8 | 1.65E-04 |
| 02K | Reactor Building - South Stair 6 and Elevator | 1.65E-04 |
| 02L | Reactor Building - RHR Valve Room Pipe Chase | 8.62E-06 |
| 02M | Reactor Building - Exhaust Fan Room Chase | 8.62E-06 |
| 03A | Reactor Building - North Laydown Area 786' | 3.03E-03 |
| 03B | Reactor Building - South Hatch Area 786' | 3.18E-03 |
| 03C | Reactor Building - Standby Gas Treatment System Room | 8.29E-04 |
| 03D | Reactor Building - MG Sets Room | 3.25E-03 |
| 03E | Reactor Building - Spent Resin Tank Room | 2.96E-04 |
| 03F | Reactor Building - Cleanup Phase Separator Room | 1.48E-04 |
| 04A | Reactor Building - RBCCW Heat Exchanger/Chillers | 2.05E-03 |
| 04B | Reactor Building - South Hatch Area 812' | 1.83E-04 |
| 04C | Reactor Building - Exhaust Fan Room | 7.38E-04 |
| 04D | Reactor Building - Heating Hot Water Pumps Room | 1.62E-03 |
| 04E | Reactor Building - Air Supply Fan Room | 6.69E-04 |
| 04F | Reactor Building - Jungle Room | 4.92E-04 |
| 04G | Reactor Building - Fuel Pool Pump Area | 6.96E-04 |
| 05A | Reactor Building - Laydown and Hatch Area 833' | 6.85E-04 |
| 05B | Reactor Building - Phase Separator/Skimmer Surge Tank Rooms | 3.23E-04 |
| 05C | Reactor Building - Turbine Building Exhaust Fan Penthouse | 5.65E-04 |
| 06A | Reactor Building - Refuel Floor | 7.94E-04 |

| | | |
|-----|--|----------|
| 10A | Control Building - Battery Room Corridor | 7.05E-04 |
| 10B | Control Building - 1D2, West Battery Room | 7.93E-04 |
| 10C | Control Building - 1D4, Middle Battery Room | 5.02E-04 |
| 10D | Control Building - 1D1, East Battery Room | 5.02E-04 |
| 10E | Control Building - 1A4, West Essential Switchgear Room (Div. II) | 5.94E-03 |
| 10F | Control Building - 1A3, East Essential Switchgear Room (Div. I) | 5.50E-03 |
| 10G | Control Building -Electrical Chase | 1.48E-04 |
| 11A | Control Building - Cable Spreading Room | 1.65E-03 |
| 12A | Control Building - Control Room Complex | 1.01E-02 |
| 12B | Control Building -Control Building HVAC Room & HVAC Chase | 1.51E-03 |
| | | |
| 07A | Turbine Building - Reactor Feed Pump Area | 1.18E-02 |
| 07B | Turbine Building - 1A2, Lower Switchgear Room | 3.11E-03 |
| 07C | Turbine Building -Turbine Lube Oil Tank Area | 3.00E-03 |
| 07D | Turbine Building -Turbine Lube Oil Storage Tank Vault | 9.72E-04 |
| 07E | Turbine Building -Condensate Pump Area | 4.72E-03 |
| 07F | Turbine Building -Condenser/Heater Bay | 1.96E-03 |
| 07G | Turbine Building - Steam Jet Air Ejector Room | 7.11E-04 |
| 07H | Turbine Building -North Stair 12 | 5.86E-04 |
| 07J | Turbine Building - South Stair 14 | 5.02E-04 |
| 08A | Turbine Building - Ground Floor North | 4.42E-03 |
| 08B | Turbine Building - 1A1, Upper Switchgear Room | 3.86E-03 |
| 08C | Turbine Building - East Tube Pulling Area | 1.25E-03 |
| 08D | Turbine Building - Ground Floor South | 7.00E-03 |
| 08E | Turbine Building - Aux Boiler Room | 2.68E-03 |
| 08F | Turbine Building - 1G-21, "B" EDG Room (West) | 6.95E-03 |
| 08G | Turbine Building - "B" EDG Day Tank Room | 4.19E-04 |
| 08H | Turbine Building - 1G-31, "A" EDG Room (East) | 6.95E-03 |
| 08J | Turbine Building -"A" EDG Day Tank Room | 4.19E-04 |
| 08K | Turbine Building -Demineralizer Pump and Tank Cells | 1.15E-03 |
| 09A | Turbine Building - Op Deck North | 2.34E-03 |
| 09B | Turbine Building - Op Deck Middle | 9.72E-04 |
| 09C | Turbine Building - Op Deck South | 1.21E-02 |

| | | |
|-----|---|----------|
| 13A | Radwaste Building - Radwaste Drumming and Shipping Area | 4.28E-04 |
| 13B | Radwaste Building - Radwaste Treatment and Access Area | 1.86E-03 |
| 13C | Radwaste Building - Radwaste Precoat and Access Area | 1.67E-03 |
| 13D | Radwaste Building - Radwaste Control Room | 2.36E-03 |
| 13E | Radwaste Building - Stair 18 | 3.11E-04 |
| 15A | Offgas Retention Building - Offgas Charcoal Adsorber Vault | 5.56E-04 |
| 15B | Offgas Retention Building - Offgas Control and Glycol Area | 1.68E-03 |
| 15C | Offgas Retention Building - Offgas Prefilter and Condenser Area | 3.35E-04 |
| 16A | Pumphouse - "B" RHRSW and ESW Pump Room | 9.28E-04 |
| 16B | Pumphouse - "A" RHRSW and ESW Pump Room | 1.00E-03 |

| | | |
|------|--|----------|
| 16C | Pumphouse - Main Circ Pump Room and Circ Pit | 3.11E-03 |
| 16D | Pumphouse - Diesel Fire Pump Room | 7.45E-04 |
| 16E | Pumphouse - Fire Pump Day Tank Room | 3.11E-04 |
| 16F | Pumphouse - Basement | 5.17E-04 |
| 16G | Pumphouse - Stilling Basin and Wet Pits | 2.16E-04 |
| 17A | Intake Structure - Division I Pump Room (North) | 1.81E-03 |
| 17B | Intake Structure - Division II Pump Room (South) | 1.81E-03 |
| 17C | Intake Structure - Division I Screen Area (North) | 6.78E-04 |
| 17D | Intake Structure - Division II Screen Area (South) | 6.07E-04 |
| 22A | Service Air Compressor Building | 3.62E-03 |
| CT1 | Cooling Tower A | 1.23E-03 |
| CT2 | Cooling Tower B | 1.23E-03 |
| OAG | Outside Above Ground | 2.51E-02 |
| OGS | Offgas Stack | 5.51E-04 |
| OUG | Outside Under Ground | 5.51E-04 |
| YARD | Switchyard ⁽¹⁾ | 1.80E-02 |

Notes:

(1) The switchyard is conservatively assigned a FIF equal to Bin 27, 28, and 29. The FIF is then apportioned as appropriate for individual fire scenarios.

(2) The FIF distributions are lognormal. A generic error factor was assigned based on PAU FIF consistent with the methodology used in the plant FPIE model. See PLANTX-PSA-QU-14, Rev. 6. Additionally, a generic error factor was assigned to each ignition source during the parametric uncertainty analysis.

2.39E-01

ERROR FACTOR

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BIN FREQUENCIES TAKEN FROM 'Plant TOTAL FIFs' SPREADSHEET

| Ref. No. | PAU | PAU Description | Cable/Transient/H |
|----------|------|--|-------------------|
| | | | Location |
| 1 | 01AN | Reactor Building - Torus North | CAR |
| 2 | 01AS | Reactor Building - Torus South (Bays 5 - 11) | CAR |
| 3 | 01B | Reactor Building - Northwest Corner Room | CAR |
| 4 | 01C | Reactor Building - Northeast Corner Room | CAR |
| 5 | 01D | Reactor Building - Southeast Corner Room | CAR |
| 6 | 01E | Reactor Building - HPCI Room | CAR |
| 7 | 01F | Reactor Building - RCIC Room | CAR |
| 8 | 01G | Reactor Building - Southwest Corner Room | CAR |
| 9 | 01H | Reactor Building - Radwaste 1T-70 Tank Room | CAR |
| 10 | 02A | Reactor Building - North CRD Module Area | CAR |
| 11 | 02B | Reactor Building - South CRD Module Area | CAR |
| 12 | 02C | Reactor Building - CRD Repair Room | CAR |
| 13 | 02D | Reactor Building - RHR Valve Room | CAR |
| 14 | 02E | Reactor Building - Offgas Recombiner Room | CAR |
| 15 | 02F | Reactor Building - Railroad Airlock | CAR |
| 16 | 02G | Reactor Building - Steam Tunnel | CAR |
| 17 | 02H | Reactor Building - North Chase | CAR |
| 18 | 02J | Reactor Building - North Stair 8 | CAR |
| 19 | 02K | Reactor Building - South Stair 6 and Elevator | CAR |
| 20 | 02L | Reactor Building - RHR Valve Room Pipe Chase | CAR |
| 21 | 02M | Reactor Building - Exhaust Fan Room Chase | CAR |
| 22 | 03A | Reactor Building - North Laydown Area 786' | CAR |
| 23 | 03B | Reactor Building - South Hatch Area 786' | CAR |
| 24 | 03C | Reactor Building - Standby Gas Treatment System Room | CAR |
| 25 | 03D | Reactor Building - MG Sets Room | CAR |
| 26 | 03E | Reactor Building - Spent Resin Tank Room | CAR |
| 27 | 03F | Reactor Building - Cleanup Phase Separator Room | CAR |
| 28 | 04A | Reactor Building - RBCCW Heat Exchanger/Chillers | CAR |
| 29 | 04B | Reactor Building - South Hatch Area 812' | CAR |
| 30 | 04C | Reactor Building - Exhaust Fan Room | CAR |
| 31 | 04D | Reactor Building - Heating Hot Water Pumps Room | CAR |
| 32 | 04E | Reactor Building - Air Supply Fan Room | CAR |
| 33 | 04F | Reactor Building - Jungle Room | CAR |
| 34 | 04G | Reactor Building - Fuel Pool Pump Area | CAR |

| | | | |
|----|-----|--|-----|
| 35 | 05A | Reactor Building - Laydown and Hatch Area 833' | CAR |
| 36 | 05B | Reactor Building - Phase Separator/Skimmer Surge Tank Rooms | CAR |
| 37 | 05C | Reactor Building - Turbine Building Exhaust Fan Penthouse | CAR |
| 38 | 06A | Reactor Building - Refuel Floor | CAR |
| 61 | 10A | Control Building - Battery Room Corridor | CAR |
| 62 | 10B | Control Building - 1D2, West Battery Room | CAR |
| 63 | 10C | Control Building - 1D4, Middle Battery Room | CAR |
| 64 | 10D | Control Building - 1D1, East Battery Room | CAR |
| 65 | 10E | Control Building - 1A4, West Essential Switchgear Room (Div. II) | CAR |
| 66 | 10F | Control Building - 1A3, East Essential Switchgear Room (Div. I) | CAR |
| 67 | 10G | Control Building - Electrical Chase | CAR |
| 68 | 11A | Control Building - Cable Spreading Room | CAR |
| 69 | 12A | Control Building - Control Room Complex | CAR |
| 70 | 12B | Control Building - Control Building HVAC Room & HVAC Chase | CAR |
| 39 | 07A | Turbine Building - Reactor Feed Pump Area | TB |
| 40 | 07B | Turbine Building - 1A2, Lower Switchgear Room | TB |
| 41 | 07C | Turbine Building - Turbine Lube Oil Tank Area | TB |
| 42 | 07D | Turbine Building - Turbine Lube Oil Storage Tank Vault | TB |
| 43 | 07E | Turbine Building - Condensate Pump Area | TB |
| 44 | 07F | Turbine Building - Condenser/Heater Bay | TB |
| 45 | 07G | Turbine Building - Steam Jet Air Ejector Room | TB |
| 46 | 07H | Turbine Building - North Stair 12 | TB |
| 47 | 07J | Turbine Building - South Stair 14 | TB |
| 48 | 08A | Turbine Building - Ground Floor North | TB |
| 49 | 08B | Turbine Building - 1A1, Upper Switchgear Room | TB |
| 50 | 08C | Turbine Building - East Tube Pulling Area | TB |
| 51 | 08D | Turbine Building - Ground Floor South | TB |
| 52 | 08E | Turbine Building - Aux Boiler Room | TB |
| 53 | 08F | Turbine Building - 1G-21, 'B' EDG Room (West) | TB |
| 54 | 08G | Turbine Building - 'B' EDG Day Tank Room | TB |
| 55 | 08H | Turbine Building - 1G-31, 'A' EDG Room (East) | TB |
| 56 | 08J | Turbine Building - 'A' EDG Day Tank Room | TB |
| 57 | 08K | Turbine Building - Demineralizer Pump and Tank Cells | TB |
| 58 | 09A | Turbine Building - Op Deck North | TB |
| 59 | 09B | Turbine Building - Op Deck Middle | TB |
| 60 | 09C | Turbine Building - Op Deck South | TB |
| 71 | 13A | Radwaste Building - Radwaste Drumming and Shipping Area | PW |
| 72 | 13B | Radwaste Building - Radwaste Treatment and Access Area | PW |
| 73 | 13C | Radwaste Building - Radwaste Precoat and Access Area | PW |
| 74 | 13D | Radwaste Building - Radwaste Control Room | PW |
| 75 | 13E | Radwaste Building -Stair 18 | PW |
| 76 | 15A | Offgas Retention Building - Offgas Charcoal Absorber Vault | PW |
| 77 | 15B | Offgas Retention Building - Offgas Control and Glycol Area | PW |
| 78 | 15C | Offgas Retention Building - Offgas Prefilter and Condenser Area | PW |
| 79 | 16A | Pumphouse - 'B' RHRSW and ESW Pump Room | PW |

| | | | |
|----|-------------|--|----|
| 80 | 16B | Pumphouse - 'A' RHRSW and ESW Pump Room | PW |
| 81 | 16C | Pumphouse - Main Circ Pump Room and Circ Pit | PW |
| 82 | 16D | Pumphouse -Diesel Fire Pump Room | PW |
| 83 | 16E | Pumphouse - Fire Pump Day Tank Room | PW |
| 84 | 16F | Pumphouse -Basement | PW |
| 85 | 16G | Pumphouse - Stilling Basin and Wet Pits | PW |
| 86 | 17A | Intake Structure - Division I Pump Room (North) | PW |
| 87 | 17B | Intake Structure - Division II Pump Room (South) | PW |
| 88 | 17C | Intake Structure - Division I Screen Area (North) | PW |
| 89 | 17D | Intake Structure - Division II Screen Area (South) | PW |
| 90 | 22A | Service Air Compressor Building | PW |
| 91 | CT1 | A Cooling Tower (West) | PW |
| 92 | CT2 | B Cooling Tower (East) | PW |
| 93 | OAG | Outside Above Ground | PW |
| 94 | OGS | Offgas Stack | PW |
| 95 | OUG | Outside Under Ground | PW |
| | YARD | Switchyard | |

ot Work Fire Frequency by Bin

[illegible]

[illegible]

36

37

| HOTWORK AND GENERAL TRANSIENT (BIN 3) | GENERAL TRANSIENT (BINS 7, 25, 37) | TRANSIENT CAUSED BY CUTTING AND WELDING (BINS 6, 24, 36) | CABLE FIRES CAUSED BY CUTTING AND WELDING (BINS 5, 11, 31) | CABLE SELF IGN. AND JUNCTION BOXES (BINS 12 AND 18) | Total |
|--|---------------------------------------|--|---|---|----------|
| (WHW/GT) | (WGT) | (WWC) | (WCF) | (WC,J) | |
| PWR Only | 4.32E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.66E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 1.85E-05 | 4.75E-05 | 2.32E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 2.09E-06 | 5.34E-06 | 1.73E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 1.84E-05 | 4.72E-05 | 2.31E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 3.30E-06 | 8.46E-06 | 1.77E-04 |
| PWR Only | 6.03E-05 | 3.67E-04 | 2.77E-05 | 2.37E-05 | 4.79E-04 |
| PWR Only | 6.03E-05 | 3.67E-04 | 1.08E-05 | 9.19E-06 | 4.47E-04 |
| PWR Only | 6.03E-05 | 1.22E-04 | 1.03E-06 | 2.65E-06 | 1.86E-04 |
| PWR Only | 2.59E-05 | 1.22E-04 | 2.93E-06 | 7.50E-06 | 1.59E-04 |
| PWR Only | 1.38E-04 | 1.22E-04 | 1.42E-04 | 3.64E-04 | 7.66E-04 |
| PWR Only | 1.38E-04 | 1.22E-04 | 9.15E-05 | 2.35E-04 | 5.86E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.66E-04 |
| PWR Only | 6.03E-05 | 1.22E-04 | 1.98E-06 | 5.08E-06 | 1.90E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 1.58E-05 | 4.06E-05 | 2.22E-04 |
| PWR Only | 6.03E-05 | 1.22E-04 | 1.15E-06 | 2.96E-06 | 1.87E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.66E-04 |
| PWR Only | 8.64E-06 | 0.00E+00 | 0.00E+00 | 8.40E-05 | 9.27E-05 |
| PWR Only | 4.32E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.66E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.66E-04 |
| PWR Only | 8.64E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.64E-06 |
| PWR Only | 8.64E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.64E-06 |
| PWR Only | 7.75E-05 | 1.22E-04 | 7.65E-05 | 1.96E-04 | 4.73E-04 |
| PWR Only | 1.21E-04 | 1.22E-04 | 8.24E-05 | 2.12E-04 | 5.37E-04 |
| PWR Only | 7.75E-05 | 1.22E-04 | 2.03E-05 | 5.21E-05 | 2.72E-04 |
| PWR Only | 6.03E-05 | 1.22E-04 | 5.85E-05 | 1.50E-04 | 3.91E-04 |
| PWR Only | 2.59E-05 | 1.22E-04 | 4.11E-07 | 1.05E-06 | 1.50E-04 |
| PWR Only | 2.59E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.48E-04 |
| PWR Only | 7.75E-05 | 3.67E-04 | 2.19E-04 | 1.88E-04 | 8.51E-04 |
| PWR Only | 6.03E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.83E-04 |
| PWR Only | 6.03E-05 | 1.22E-04 | 3.30E-07 | 8.46E-07 | 1.84E-04 |
| PWR Only | 2.59E-05 | 1.22E-04 | 7.00E-06 | 1.80E-05 | 1.73E-04 |
| PWR Only | 6.03E-05 | 1.22E-04 | 4.53E-07 | 1.16E-06 | 1.84E-04 |
| PWR Only | 7.75E-05 | 1.22E-04 | 8.24E-08 | 2.12E-07 | 2.00E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 8.13E-06 | 2.08E-05 | 1.94E-04 |

| | | | | | |
|----------|-----------------|-----------------|-----------------|-----------------|-----------------|
| PWR Only | 6.03E-05 | 1.22E-04 | 3.71E-07 | 9.53E-07 | 1.84E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 3.14E-06 | 8.01E-06 | 1.77E-04 |
| PWR Only | 2.59E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.48E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 1.24E-07 | 3.17E-07 | 1.66E-04 |
| PWR Only | 1.38E-04 | 1.22E-04 | 3.64E-06 | 9.36E-06 | 2.73E-04 |
| PWR Only | 1.38E-04 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 2.60E-04 |
| PWR Only | 1.38E-04 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 2.60E-04 |
| PWR Only | 1.38E-04 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 2.60E-04 |
| PWR Only | 1.38E-04 | 1.22E-04 | 3.36E-05 | 8.63E-05 | 3.80E-04 |
| PWR Only | 1.38E-04 | 1.22E-04 | 3.97E-05 | 1.02E-04 | 4.01E-04 |
| PWR Only | 2.59E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.48E-04 |
| PWR Only | 2.59E-05 | 1.22E-04 | 4.22E-04 | 1.08E-03 | 1.65E-03 |
| PWR Only | 6.03E-04 | 1.22E-04 | 1.67E-04 | 4.28E-04 | 1.32E-03 |
| PWR Only | 6.03E-05 | 1.22E-04 | 1.24E-07 | 3.17E-07 | 1.83E-04 |

| | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|
| 7.05E-03 | 6.05E-03 | 3.76E-04 | 8.81E-04 | 4.39E-04 | 1.94E-04 | 1.89E-03 |
| 7.05E-03 | 6.05E-03 | 3.76E-04 | 2.94E-04 | 1.17E-04 | 1.56E-04 | 9.43E-04 |
| 7.05E-03 | 6.05E-03 | 2.92E-04 | 2.94E-04 | 5.25E-05 | 6.99E-05 | 7.09E-04 |
| 7.05E-03 | 6.05E-03 | 4.17E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.17E-05 |
| 7.05E-03 | 6.05E-03 | 3.76E-04 | 2.94E-04 | 9.82E-05 | 1.30E-04 | 8.98E-04 |
| 7.05E-03 | 6.05E-03 | 1.25E-04 | 2.94E-04 | 2.03E-04 | 2.70E-04 | 8.92E-04 |
| 7.05E-03 | 6.05E-03 | 1.25E-04 | 2.94E-04 | 0.00E+00 | 0.00E+00 | 4.19E-04 |
| 7.05E-03 | 6.05E-03 | 2.92E-04 | 2.94E-04 | 0.00E+00 | 0.00E+00 | 5.86E-04 |
| 7.05E-03 | 6.05E-03 | 2.09E-04 | 2.94E-04 | 0.00E+00 | 0.00E+00 | 5.03E-04 |
| 7.05E-03 | 6.05E-03 | 3.76E-04 | 2.94E-04 | 2.85E-04 | 3.77E-04 | 1.33E-03 |
| 7.05E-03 | 6.05E-03 | 3.76E-04 | 2.94E-04 | 7.62E-05 | 1.01E-04 | 8.47E-04 |
| 7.05E-03 | 6.05E-03 | 2.92E-04 | 2.94E-04 | 3.58E-05 | 4.74E-05 | 6.69E-04 |
| 7.05E-03 | 6.05E-03 | 6.66E-04 | 2.94E-04 | 9.97E-05 | 1.32E-04 | 1.19E-03 |
| 7.05E-03 | 6.05E-03 | 3.76E-04 | 8.81E-04 | 5.49E-06 | 2.43E-06 | 1.26E-03 |
| 7.05E-03 | 6.05E-03 | 3.76E-04 | 2.94E-04 | 0.00E+00 | 0.00E+00 | 6.70E-04 |
| 7.05E-03 | 6.05E-03 | 1.25E-04 | 2.94E-04 | 0.00E+00 | 0.00E+00 | 4.19E-04 |
| 7.05E-03 | 6.05E-03 | 3.76E-04 | 2.94E-04 | 0.00E+00 | 0.00E+00 | 6.70E-04 |
| 7.05E-03 | 6.05E-03 | 1.25E-04 | 2.94E-04 | 0.00E+00 | 0.00E+00 | 4.19E-04 |
| 7.05E-03 | 6.05E-03 | 1.25E-04 | 2.94E-04 | 0.00E+00 | 0.00E+00 | 4.19E-04 |
| 7.05E-03 | 6.05E-03 | 2.92E-04 | 2.94E-04 | 1.93E-05 | 2.55E-05 | 6.31E-04 |
| 7.05E-03 | 6.05E-03 | 4.17E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.17E-05 |
| 7.05E-03 | 6.05E-03 | 2.92E-04 | 2.94E-04 | 0.00E+00 | 0.00E+00 | 5.86E-04 |

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|----------|----------|----------|----------|----------|
| 1.60E-04 | 8.76E-05 | 6.47E-05 | 4.48E-05 | 3.57E-04 |
| 1.60E-04 | 8.76E-05 | 4.21E-05 | 2.92E-05 | 3.19E-04 |
| 2.24E-04 | 8.76E-05 | 7.81E-05 | 5.41E-05 | 4.44E-04 |
| 2.88E-04 | 8.76E-05 | 1.25E-04 | 8.63E-05 | 5.87E-04 |
| 2.24E-04 | 8.76E-05 | 0.00E+00 | 0.00E+00 | 3.11E-04 |
| 9.58E-05 | 8.76E-05 | 1.47E-05 | 1.02E-05 | 2.08E-04 |
| 1.60E-04 | 8.76E-05 | 8.04E-05 | 5.57E-05 | 3.84E-04 |
| 1.60E-04 | 8.76E-05 | 5.15E-05 | 3.57E-05 | 3.35E-04 |
| 2.88E-04 | 8.76E-05 | 2.59E-05 | 1.80E-05 | 4.20E-04 |

| | | | | |
|----------|----------|----------|----------|----------|
| 2.88E-04 | 8.76E-05 | 2.75E-05 | 1.91E-05 | 4.22E-04 |
| 2.88E-04 | 8.76E-05 | 8.46E-05 | 5.87E-05 | 5.19E-04 |
| 5.12E-04 | 8.76E-05 | 0.00E+00 | 0.00E+00 | 5.99E-04 |
| 2.24E-04 | 8.76E-05 | 0.00E+00 | 0.00E+00 | 3.11E-04 |
| 9.58E-05 | 8.76E-05 | 2.47E-05 | 1.71E-05 | 2.25E-04 |
| 1.28E-04 | 8.76E-05 | 0.00E+00 | 0.00E+00 | 2.16E-04 |
| 2.88E-04 | 8.76E-05 | 0.00E+00 | 0.00E+00 | 3.76E-04 |
| 2.88E-04 | 8.76E-05 | 0.00E+00 | 0.00E+00 | 3.76E-04 |
| 2.88E-04 | 8.76E-05 | 8.70E-06 | 6.03E-06 | 3.90E-04 |
| 2.88E-04 | 8.76E-05 | 8.70E-06 | 6.03E-06 | 3.90E-04 |
| 2.88E-04 | 2.63E-04 | 0.00E+00 | 0.00E+00 | 5.51E-04 |
| 2.88E-04 | 2.63E-04 | 5.52E-04 | 1.27E-04 | 1.23E-03 |
| 2.88E-04 | 2.63E-04 | 5.53E-04 | 1.27E-04 | 1.23E-03 |
| 9.58E-04 | 8.76E-04 | 0.00E+00 | 0.00E+00 | 1.83E-03 |
| 2.88E-04 | 2.63E-04 | 0.00E+00 | 0.00E+00 | 5.51E-04 |
| 2.88E-04 | 2.63E-04 | 0.00E+00 | 0.00E+00 | 5.51E-04 |

0.01

| | LAR | Calculated |
|-----------|-----------|---------------|
| transient | Licensee- | Fixed-Source |
| +hot work | Total | Fire Ignition |
| | FIF | Frequency |
| 1.66E-04 | 1.65E-04 | 0.00E+00 |
| 1.84E-04 | 2.32E-04 | 0.00E+00 |
| 1.68E-04 | 8.18E-04 | 6.45E-04 |
| 1.84E-04 | 2.31E-04 | 0.00E+00 |
| 1.69E-04 | 6.84E-04 | 5.07E-04 |
| 4.55E-04 | 9.73E-04 | 4.94E-04 |
| 4.38E-04 | 9.54E-04 | 5.07E-04 |
| 1.84E-04 | 7.63E-04 | 5.77E-04 |
| 1.51E-04 | 4.50E-04 | 2.91E-04 |
| 4.02E-04 | 4.71E-03 | 3.94E-03 |
| 3.52E-04 | 2.80E-03 | 2.21E-03 |
| 1.66E-04 | 1.65E-04 | 0.00E+00 |
| 1.85E-04 | 1.90E-04 | 0.00E+00 |
| 1.81E-04 | 2.94E-02 | 2.92E-02 |
| 1.84E-04 | 1.87E-04 | 0.00E+00 |
| 1.66E-04 | 1.65E-04 | 0.00E+00 |
| 8.64E-06 | 9.29E-05 | 0.00E+00 |
| 1.66E-04 | 1.65E-04 | 0.00E+00 |
| 1.66E-04 | 1.65E-04 | 0.00E+00 |
| 8.64E-06 | 8.62E-06 | 0.00E+00 |
| 8.64E-06 | 8.62E-06 | 0.00E+00 |
| 2.76E-04 | 3.03E-03 | 2.56E-03 |
| 3.25E-04 | 3.18E-03 | 2.64E-03 |
| 2.20E-04 | 8.29E-04 | 5.57E-04 |
| 2.41E-04 | 3.25E-03 | 2.86E-03 |
| 1.49E-04 | 2.96E-04 | 1.46E-04 |
| 1.48E-04 | 1.48E-04 | 0.00E+00 |
| 6.63E-04 | 2.05E-03 | 1.20E-03 |
| 1.83E-04 | 1.83E-04 | 0.00E+00 |
| 1.83E-04 | 7.38E-04 | 5.54E-04 |
| 1.55E-04 | 1.62E-03 | 1.45E-03 |
| 1.83E-04 | 6.69E-04 | 4.85E-04 |
| 2.00E-04 | 4.92E-04 | 2.92E-04 |
| 1.74E-04 | 6.96E-04 | 5.02E-04 |

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|----------|----------|----------|---------------------------------|----------|----------|----------|
| 1.83E-04 | 6.85E-04 | 5.01E-04 | | | | |
| 1.69E-04 | 3.23E-04 | 1.46E-04 | | | | |
| 1.48E-04 | 5.65E-04 | 4.17E-04 | | | | |
| 1.66E-04 | 7.94E-04 | 6.28E-04 | | | | |
| 2.64E-04 | 7.05E-04 | 4.32E-04 | | | | |
| 2.60E-04 | 7.93E-04 | 5.33E-04 | | | | |
| 2.60E-04 | 5.02E-04 | 2.42E-04 | | | | |
| 2.60E-04 | 5.02E-04 | 2.42E-04 | | | | |
| 2.94E-04 | 5.94E-03 | 5.56E-03 | pre-initiator factor | | | 0.01 |
| 3.00E-04 | 5.50E-03 | 5.10E-03 | CCDP | | | 0.1 |
| 1.48E-04 | 1.48E-04 | 0.00E+00 | | | | |
| 5.70E-04 | 1.65E-03 | 0.00E+00 | 2.59E-07 | 1.22E-06 | 4.22E-06 | 5.70E-06 |
| 8.93E-04 | 1.01E-02 | 8.78E-03 | Total Hot Work + Transient FIF: | | | 5.70E-04 |
| 1.83E-04 | 1.51E-03 | 1.33E-03 | | | | |
| | 1.18E-02 | 9.91E-03 | | | | |
| | 3.11E-03 | 2.17E-03 | | | | |
| | 3.00E-03 | 2.29E-03 | | | | |
| | 9.72E-04 | 9.30E-04 | | | | |
| | 4.72E-03 | 3.82E-03 | | | | |
| | 1.96E-03 | 1.07E-03 | | | | |
| | 7.11E-04 | 2.92E-04 | | | | |
| | 5.86E-04 | 0.00E+00 | | | | |
| | 5.02E-04 | 0.00E+00 | | | | |
| | 4.42E-03 | 3.09E-03 | | | | |
| | 3.86E-03 | 3.01E-03 | | | | |
| | 1.25E-03 | 5.81E-04 | | | | |
| | 7.00E-03 | 5.81E-03 | | | | |
| | 2.68E-03 | 1.42E-03 | | | | |
| | 6.95E-03 | 6.28E-03 | | | | |
| | 4.19E-04 | 0.00E+00 | | | | |
| | 6.95E-03 | 6.28E-03 | | | | |
| | 4.19E-04 | 0.00E+00 | | | | |
| | 1.15E-03 | 7.31E-04 | | | | |
| | 2.34E-03 | 1.71E-03 | | | | |
| | 9.72E-04 | 9.30E-04 | | | | |
| | 1.21E-02 | 1.15E-02 | | | | |
| | 4.28E-04 | 7.08E-05 | | | | |
| | 1.86E-03 | 1.54E-03 | | | | |
| | 1.67E-03 | 1.23E-03 | | | | |
| | 2.36E-03 | 1.77E-03 | | | | |
| | 3.11E-04 | 0.00E+00 | | | | |
| | 5.56E-04 | 3.48E-04 | | | | |
| | 1.68E-03 | 1.30E-03 | | | | |
| | 3.35E-04 | 0.00E+00 | | | | |
| | 9.28E-04 | 5.08E-04 | | | | |

| | |
|----------|----------|
| 1.00E-03 | 5.78E-04 |
| 3.11E-03 | 2.59E-03 |
| 7.45E-04 | 1.46E-04 |
| 3.11E-04 | 0.00E+00 |
| 5.17E-04 | 2.92E-04 |
| 2.16E-04 | 0.00E+00 |
| 1.81E-03 | 1.43E-03 |
| 1.81E-03 | 1.43E-03 |
| 6.78E-04 | 2.88E-04 |
| 6.07E-04 | 2.17E-04 |
| 3.62E-03 | 3.07E-03 |
| 1.23E-03 | 0.00E+00 |
| 1.23E-03 | 0.00E+00 |
| 2.51E-02 | 2.33E-02 |
| 5.51E-04 | 0.00E+00 |
| 5.51E-04 | 0.00E+00 |
| 1.80E-02 | |

CSR CDF reported - note that no NSP or Area Factor Applied

5.70E-07

BIN FREQUENCIES TAKEN FROM 'TOTAL FIFs' SPREADSHEET

| Ref. No. | PAU | PAU Description | Cable/Transient/H Location |
|----------|------|--|-------------------------------|
| 1 | 01AN | Reactor Building - Torus North | CAR |
| 2 | 01AS | Reactor Building - Torus South (Bays 5 - 11) | CAR |
| 3 | 01B | Reactor Building - Northwest Corner Room | CAR |
| 4 | 01C | Reactor Building - Northeast Corner Room | CAR |
| 5 | 01D | Reactor Building - Southeast Corner Room | CAR |
| 6 | 01E | Reactor Building - HPCI Room | CAR |
| 7 | 01F | Reactor Building - RCIC Room | CAR |
| 8 | 01G | Reactor Building - Southwest Corner Room | CAR |
| 9 | 01H | Reactor Building - Radwaste 1T-70 Tank Room | CAR |
| 10 | 02A | Reactor Building - North CRD Module Area | CAR |
| 11 | 02B | Reactor Building - South CRD Module Area | CAR |
| 12 | 02C | Reactor Building - CRD Repair Room | CAR |
| 13 | 02D | Reactor Building - RHR Valve Room | CAR |
| 14 | 02E | Reactor Building - Offgas Recombiner Room | CAR |
| 15 | 02F | Reactor Building - Railroad Airlock | CAR |
| 16 | 02G | Reactor Building - Steam Tunnel | CAR |
| 17 | 02H | Reactor Building - North Chase | CAR |
| 18 | 02J | Reactor Building - North Stair 8 | CAR |
| 19 | 02K | Reactor Building - South Stair 6 and Elevator | CAR |
| 20 | 02L | Reactor Building - RHR Valve Room Pipe Chase | CAR |
| 21 | 02M | Reactor Building - Exhaust Fan Room Chase | CAR |
| 22 | 03A | Reactor Building - North Laydown Area 786' | CAR |
| 23 | 03B | Reactor Building - South Hatch Area 786' | CAR |
| 24 | 03C | Reactor Building - Standby Gas Treatment System Room | CAR |
| 25 | 03D | Reactor Building - MG Sets Room | CAR |
| 26 | 03E | Reactor Building - Spent Resin Tank Room | CAR |
| 27 | 03F | Reactor Building - Cleanup Phase Separator Room | CAR |
| 28 | 04A | Reactor Building - RBCCW Heat Exchanger/Chillers | CAR |
| 29 | 04B | Reactor Building - South Hatch Area 812' | CAR |
| 30 | 04C | Reactor Building - Exhaust Fan Room | CAR |
| 31 | 04D | Reactor Building - Heating Hot Water Pumps Room | CAR |
| 32 | 04E | Reactor Building - Air Supply Fan Room | CAR |
| 33 | 04F | Reactor Building - Jungle Room | CAR |
| 34 | 04G | Reactor Building - Fuel Pool Pump Area | CAR |

| | | | |
|----|-----|--|-----|
| 35 | 05A | Reactor Building - Laydown and Hatch Area 833' | CAR |
| 36 | 05B | Reactor Building - Phase Separator/Skimmer Surge Tank Rooms | CAR |
| 37 | 05C | Reactor Building - Turbine Building Exhaust Fan Penthouse | CAR |
| 38 | 06A | Reactor Building - Refuel Floor | CAR |
| 61 | 10A | Control Building - Battery Room Corridor | CAR |
| 62 | 10B | Control Building - 1D2, West Battery Room | CAR |
| 63 | 10C | Control Building - 1D4, Middle Battery Room | CAR |
| 64 | 10D | Control Building - 1D1, East Battery Room | CAR |
| 65 | 10E | Control Building - 1A4, West Essential Switchgear Room (Div. II) | CAR |
| 66 | 10F | Control Building - 1A3, East Essential Switchgear Room (Div. I) | CAR |
| 67 | 10G | Control Building - Electrical Chase | CAR |
| 68 | 11A | Control Building - Cable Spreading Room | CAR |
| 69 | 12A | Control Building - Control Room Complex | CAR |
| 70 | 12B | Control Building - Control Building HVAC Room & HVAC Chase | CAR |
| 39 | 07A | Turbine Building - Reactor Feed Pump Area | TB |
| 40 | 07B | Turbine Building - 1A2, Lower Switchgear Room | TB |
| 41 | 07C | Turbine Building - Turbine Lube Oil Tank Area | TB |
| 42 | 07D | Turbine Building - Turbine Lube Oil Storage Tank Vault | TB |
| 43 | 07E | Turbine Building - Condensate Pump Area | TB |
| 44 | 07F | Turbine Building - Condenser/Heater Bay | TB |
| 45 | 07G | Turbine Building - Steam Jet Air Ejector Room | TB |
| 46 | 07H | Turbine Building - North Stair 12 | TB |
| 47 | 07J | Turbine Building - South Stair 14 | TB |
| 48 | 08A | Turbine Building - Ground Floor North | TB |
| 49 | 08B | Turbine Building - 1A1, Upper Switchgear Room | TB |
| 50 | 08C | Turbine Building - East Tube Pulling Area | TB |
| 51 | 08D | Turbine Building - Ground Floor South | TB |
| 52 | 08E | Turbine Building - Aux Boiler Room | TB |
| 53 | 08F | Turbine Building - 1G-21, 'B' EDG Room (West) | TB |
| 54 | 08G | Turbine Building - 'B' EDG Day Tank Room | TB |
| 55 | 08H | Turbine Building - 1G-31, 'A' EDG Room (East) | TB |
| 56 | 08J | Turbine Building - 'A' EDG Day Tank Room | TB |
| 57 | 08K | Turbine Building - Demineralizer Pump and Tank Cells | TB |
| 58 | 09A | Turbine Building - Op Deck North | TB |
| 59 | 09B | Turbine Building - Op Deck Middle | TB |
| 60 | 09C | Turbine Building - Op Deck South | TB |
| 71 | 13A | Radwaste Building - Radwaste Drumming and Shipping Area | PW |
| 72 | 13B | Radwaste Building - Radwaste Treatment and Access Area | PW |
| 73 | 13C | Radwaste Building - Radwaste Precoat and Access Area | PW |
| 74 | 13D | Radwaste Building - Radwaste Control Room | PW |
| 75 | 13E | Radwaste Building -Stair 18 | PW |
| 76 | 15A | Offgas Retention Building - Offgas Charcoal Absorber Vault | PW |
| 77 | 15B | Offgas Retention Building - Offgas Control and Glycol Area | PW |
| 78 | 15C | Offgas Retention Building - Offgas Prefilter and Condenser Area | PW |
| 79 | 16A | Pumphouse - 'B' RHRSW and ESW Pump Room | PW |

| | | | |
|----|-------------|--|----|
| 80 | 16B | Pumphouse - 'A' RHRSW and ESW Pump Room | PW |
| 81 | 16C | Pumphouse - Main Circ Pump Room and Circ Pit | PW |
| 82 | 16D | Pumphouse -Diesel Fire Pump Room | PW |
| 83 | 16E | Pumphouse - Fire Pump Day Tank Room | PW |
| 84 | 16F | Pumphouse -Basement | PW |
| 85 | 16G | Pumphouse - Stilling Basin and Wet Pits | PW |
| 86 | 17A | Intake Structure - Division I Pump Room (North) | PW |
| 87 | 17B | Intake Structure - Division II Pump Room (South) | PW |
| 88 | 17C | Intake Structure - Division I Screen Area (North) | PW |
| 89 | 17D | Intake Structure - Division II Screen Area (South) | PW |
| 90 | 22A | Service Air Compressor Building | PW |
| 91 | CT1 | A Cooling Tower (West) | PW |
| 92 | CT2 | B Cooling Tower (East) | PW |
| 93 | OAG | Outside Above Ground | PW |
| 94 | OGS | Offgas Stack | PW |
| 95 | OUG | Outside Under Ground | PW |
| | YARD | Switchyard | |

ot Work Fire Frequency by Bin

[illegible]

[illegible]

36

37

| HOTWORK AND GENERAL TRANSIENT (BIN 3) | GENERAL TRANSIENT (BINS 7, 25, 37) | TRANSIENT CAUSED BY CUTTING AND WELDING (BINS 6, 24, 36) | CABLE FIRES CAUSED BY CUTTING AND WELDING (BINS 5, 11, 31) | CABLE SELF IGN. AND JUNCTION BOXES (BINS 12 AND 18) | Total |
|--|---------------------------------------|--|---|---|----------|
| (WHW/GT) | (WGT) | (WWC) | (WCF) | (WC,J) | |
| PWR Only | 4.32E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.66E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 3.36E-06 | 4.75E-05 | 2.16E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 3.79E-07 | 5.34E-06 | 1.71E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 3.34E-06 | 4.72E-05 | 2.16E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 6.00E-07 | 8.46E-06 | 1.75E-04 |
| PWR Only | 6.03E-05 | 3.67E-04 | 5.03E-06 | 2.37E-05 | 4.56E-04 |
| PWR Only | 6.03E-05 | 3.67E-04 | 1.96E-06 | 9.19E-06 | 4.38E-04 |
| PWR Only | 6.03E-05 | 1.22E-04 | 1.87E-07 | 2.65E-06 | 1.85E-04 |
| PWR Only | 2.59E-05 | 1.22E-04 | 5.33E-07 | 7.50E-06 | 1.56E-04 |
| PWR Only | 1.38E-04 | 1.22E-04 | 2.58E-05 | 3.64E-04 | 6.50E-04 |
| PWR Only | 1.38E-04 | 1.22E-04 | 1.66E-05 | 2.35E-04 | 5.11E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.66E-04 |
| PWR Only | 6.03E-05 | 1.22E-04 | 3.60E-07 | 5.08E-06 | 1.88E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 2.88E-06 | 4.06E-05 | 2.09E-04 |
| PWR Only | 6.03E-05 | 1.22E-04 | 2.10E-07 | 2.96E-06 | 1.86E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.66E-04 |
| PWR Only | 8.64E-06 | 0.00E+00 | 0.00E+00 | 8.40E-05 | 9.27E-05 |
| PWR Only | 4.32E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.66E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.66E-04 |
| PWR Only | 8.64E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.64E-06 |
| PWR Only | 8.64E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.64E-06 |
| PWR Only | 7.75E-05 | 1.22E-04 | 1.39E-05 | 1.96E-04 | 4.10E-04 |
| PWR Only | 1.21E-04 | 1.22E-04 | 1.50E-05 | 2.12E-04 | 4.69E-04 |
| PWR Only | 7.75E-05 | 1.22E-04 | 3.69E-06 | 5.21E-05 | 2.56E-04 |
| PWR Only | 6.03E-05 | 1.22E-04 | 1.06E-05 | 1.50E-04 | 3.43E-04 |
| PWR Only | 2.59E-05 | 1.22E-04 | 7.48E-08 | 1.05E-06 | 1.49E-04 |
| PWR Only | 2.59E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.48E-04 |
| PWR Only | 7.75E-05 | 3.67E-04 | 3.98E-05 | 1.88E-04 | 6.72E-04 |
| PWR Only | 6.03E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.83E-04 |
| PWR Only | 6.03E-05 | 1.22E-04 | 6.00E-08 | 8.46E-07 | 1.84E-04 |
| PWR Only | 2.59E-05 | 1.22E-04 | 1.27E-06 | 1.80E-05 | 1.67E-04 |
| PWR Only | 6.03E-05 | 1.22E-04 | 8.23E-08 | 1.16E-06 | 1.84E-04 |
| PWR Only | 7.75E-05 | 1.22E-04 | 1.50E-08 | 2.12E-07 | 2.00E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 1.48E-06 | 2.08E-05 | 1.88E-04 |

| | | | | | |
|----------|-----------------|-----------------|-----------------|-----------------|-----------------|
| PWR Only | 6.03E-05 | 1.22E-04 | 6.75E-08 | 9.53E-07 | 1.84E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 5.70E-07 | 8.01E-06 | 1.74E-04 |
| PWR Only | 2.59E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.48E-04 |
| PWR Only | 4.32E-05 | 1.22E-04 | 2.25E-08 | 3.17E-07 | 1.66E-04 |
| PWR Only | 1.38E-04 | 1.22E-04 | 6.62E-07 | 9.36E-06 | 2.70E-04 |
| PWR Only | 1.38E-04 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 2.60E-04 |
| PWR Only | 1.38E-04 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 2.60E-04 |
| PWR Only | 1.38E-04 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 2.60E-04 |
| PWR Only | 1.38E-04 | 1.22E-04 | 6.11E-06 | 8.63E-05 | 3.53E-04 |
| PWR Only | 1.38E-04 | 1.22E-04 | 7.21E-06 | 1.02E-04 | 3.69E-04 |
| PWR Only | 2.59E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.48E-04 |
| PWR Only | 2.59E-05 | 1.22E-04 | 7.67E-05 | 1.08E-03 | 1.31E-03 |
| PWR Only | 6.03E-04 | 1.22E-04 | 3.04E-05 | 4.28E-04 | 1.18E-03 |
| PWR Only | 6.03E-05 | 1.22E-04 | 2.25E-08 | 3.17E-07 | 1.83E-04 |

| | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|
| 7.05E-03 | 6.05E-03 | 3.76E-04 | 8.81E-04 | 1.38E-04 | 1.94E-04 | 1.59E-03 |
| 7.05E-03 | 6.05E-03 | 3.76E-04 | 2.94E-04 | 3.69E-05 | 1.56E-04 | 8.62E-04 |
| 7.05E-03 | 6.05E-03 | 2.92E-04 | 2.94E-04 | 1.65E-05 | 6.99E-05 | 6.73E-04 |
| 7.05E-03 | 6.05E-03 | 4.17E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.17E-05 |
| 7.05E-03 | 6.05E-03 | 3.76E-04 | 2.94E-04 | 3.09E-05 | 1.30E-04 | 8.31E-04 |
| 7.05E-03 | 6.05E-03 | 1.25E-04 | 2.94E-04 | 6.39E-05 | 2.70E-04 | 7.53E-04 |
| 7.05E-03 | 6.05E-03 | 1.25E-04 | 2.94E-04 | 0.00E+00 | 0.00E+00 | 4.19E-04 |
| 7.05E-03 | 6.05E-03 | 2.92E-04 | 2.94E-04 | 0.00E+00 | 0.00E+00 | 5.86E-04 |
| 7.05E-03 | 6.05E-03 | 2.09E-04 | 2.94E-04 | 0.00E+00 | 0.00E+00 | 5.03E-04 |
| 7.05E-03 | 6.05E-03 | 3.76E-04 | 2.94E-04 | 8.96E-05 | 3.77E-04 | 1.14E-03 |
| 7.05E-03 | 6.05E-03 | 3.76E-04 | 2.94E-04 | 2.40E-05 | 1.01E-04 | 7.95E-04 |
| 7.05E-03 | 6.05E-03 | 2.92E-04 | 2.94E-04 | 1.13E-05 | 4.74E-05 | 6.45E-04 |
| 7.05E-03 | 6.05E-03 | 6.66E-04 | 2.94E-04 | 3.14E-05 | 1.32E-04 | 1.12E-03 |
| 7.05E-03 | 6.05E-03 | 3.76E-04 | 8.81E-04 | 1.73E-06 | 2.43E-06 | 1.26E-03 |
| 7.05E-03 | 6.05E-03 | 3.76E-04 | 2.94E-04 | 0.00E+00 | 0.00E+00 | 6.70E-04 |
| 7.05E-03 | 6.05E-03 | 1.25E-04 | 2.94E-04 | 0.00E+00 | 0.00E+00 | 4.19E-04 |
| 7.05E-03 | 6.05E-03 | 3.76E-04 | 2.94E-04 | 0.00E+00 | 0.00E+00 | 6.70E-04 |
| 7.05E-03 | 6.05E-03 | 1.25E-04 | 2.94E-04 | 0.00E+00 | 0.00E+00 | 4.19E-04 |
| 7.05E-03 | 6.05E-03 | 1.25E-04 | 2.94E-04 | 0.00E+00 | 0.00E+00 | 4.19E-04 |
| 7.05E-03 | 6.05E-03 | 2.92E-04 | 2.94E-04 | 6.08E-06 | 2.55E-05 | 6.18E-04 |
| 7.05E-03 | 6.05E-03 | 4.17E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.17E-05 |
| 7.05E-03 | 6.05E-03 | 2.92E-04 | 2.94E-04 | 0.00E+00 | 0.00E+00 | 5.86E-04 |

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|----------|----------|----------|----------|----------|
| 1.60E-04 | 8.76E-05 | 1.75E-05 | 4.48E-05 | 3.10E-04 |
| 1.60E-04 | 8.76E-05 | 1.14E-05 | 2.92E-05 | 2.88E-04 |
| 2.24E-04 | 8.76E-05 | 2.11E-05 | 5.41E-05 | 3.87E-04 |
| 2.88E-04 | 8.76E-05 | 3.38E-05 | 8.63E-05 | 4.96E-04 |
| 2.24E-04 | 8.76E-05 | 0.00E+00 | 0.00E+00 | 3.11E-04 |
| 9.58E-05 | 8.76E-05 | 3.98E-06 | 1.02E-05 | 1.98E-04 |
| 1.60E-04 | 8.76E-05 | 2.18E-05 | 5.57E-05 | 3.25E-04 |
| 1.60E-04 | 8.76E-05 | 1.39E-05 | 3.57E-05 | 2.97E-04 |
| 2.88E-04 | 8.76E-05 | 7.02E-06 | 1.80E-05 | 4.01E-04 |

| | | | | |
|----------|----------|----------|----------|----------|
| 2.88E-04 | 8.76E-05 | 7.44E-06 | 1.91E-05 | 4.02E-04 |
| 2.88E-04 | 8.76E-05 | 2.29E-05 | 5.87E-05 | 4.57E-04 |
| 5.12E-04 | 8.76E-05 | 0.00E+00 | 0.00E+00 | 5.99E-04 |
| 2.24E-04 | 8.76E-05 | 0.00E+00 | 0.00E+00 | 3.11E-04 |
| 9.58E-05 | 8.76E-05 | 6.69E-06 | 1.71E-05 | 2.07E-04 |
| 1.28E-04 | 8.76E-05 | 0.00E+00 | 0.00E+00 | 2.16E-04 |
| 2.88E-04 | 8.76E-05 | 0.00E+00 | 0.00E+00 | 3.76E-04 |
| 2.88E-04 | 8.76E-05 | 0.00E+00 | 0.00E+00 | 3.76E-04 |
| 2.88E-04 | 8.76E-05 | 2.36E-06 | 6.03E-06 | 3.84E-04 |
| 2.88E-04 | 8.76E-05 | 2.36E-06 | 6.03E-06 | 3.84E-04 |
| 2.88E-04 | 2.63E-04 | 0.00E+00 | 0.00E+00 | 5.51E-04 |
| 2.88E-04 | 2.63E-04 | 1.49E-04 | 1.27E-04 | 8.28E-04 |
| 2.88E-04 | 2.63E-04 | 1.50E-04 | 1.27E-04 | 8.28E-04 |
| 9.58E-04 | 8.76E-04 | 0.00E+00 | 0.00E+00 | 1.83E-03 |
| 2.88E-04 | 2.63E-04 | 0.00E+00 | 0.00E+00 | 5.51E-04 |
| 2.88E-04 | 2.63E-04 | 0.00E+00 | 0.00E+00 | 5.51E-04 |

| | | 0.01 |
|-----------|-----------|---------------|
| | LAR | Calculated |
| transient | Licensee- | Fixed-Source |
| +hot work | Total | Fire Ignition |
| | FIF | Frequency |
| 1.66E-04 | 1.65E-04 | 0.00E+00 |
| 1.69E-04 | 2.32E-04 | 1.56E-05 |
| 1.66E-04 | 8.18E-04 | 6.47E-04 |
| 1.69E-04 | 2.31E-04 | 1.50E-05 |
| 1.66E-04 | 6.84E-04 | 5.09E-04 |
| 4.32E-04 | 9.73E-04 | 5.17E-04 |
| 4.29E-04 | 9.54E-04 | 5.16E-04 |
| 1.83E-04 | 7.63E-04 | 5.78E-04 |
| 1.49E-04 | 4.50E-04 | 2.94E-04 |
| 2.86E-04 | 4.71E-03 | 4.06E-03 |
| 2.77E-04 | 2.80E-03 | 2.29E-03 |
| 1.66E-04 | 1.65E-04 | 0.00E+00 |
| 1.83E-04 | 1.90E-04 | 1.93E-06 |
| 1.68E-04 | 2.94E-02 | 2.92E-02 |
| 1.83E-04 | 1.87E-04 | 0.00E+00 |
| 1.66E-04 | 1.65E-04 | 0.00E+00 |
| 8.64E-06 | 9.29E-05 | 0.00E+00 |
| 1.66E-04 | 1.65E-04 | 0.00E+00 |
| 1.66E-04 | 1.65E-04 | 0.00E+00 |
| 8.64E-06 | 8.62E-06 | 0.00E+00 |
| 8.64E-06 | 8.62E-06 | 0.00E+00 |
| 2.14E-04 | 3.03E-03 | 2.62E-03 |
| 2.58E-04 | 3.18E-03 | 2.71E-03 |
| 2.03E-04 | 8.29E-04 | 5.73E-04 |
| 1.93E-04 | 3.25E-03 | 2.91E-03 |
| 1.48E-04 | 2.96E-04 | 1.47E-04 |
| 1.48E-04 | 1.48E-04 | 0.00E+00 |
| 4.84E-04 | 2.05E-03 | 1.38E-03 |
| 1.83E-04 | 1.83E-04 | 0.00E+00 |
| 1.83E-04 | 7.38E-04 | 5.54E-04 |
| 1.49E-04 | 1.62E-03 | 1.45E-03 |
| 1.83E-04 | 6.69E-04 | 4.85E-04 |
| 2.00E-04 | 4.92E-04 | 2.92E-04 |
| 1.67E-04 | 6.96E-04 | 5.08E-04 |

| | | |
|----------|----------|----------|
| 1.83E-04 | 6.85E-04 | 5.01E-04 |
| 1.66E-04 | 3.23E-04 | 1.49E-04 |
| 1.48E-04 | 5.65E-04 | 4.17E-04 |
| 1.66E-04 | 7.94E-04 | 6.28E-04 |
| 2.61E-04 | 7.05E-04 | 4.35E-04 |
| 2.60E-04 | 7.93E-04 | 5.33E-04 |
| 2.60E-04 | 5.02E-04 | 2.42E-04 |
| 2.60E-04 | 5.02E-04 | 2.42E-04 |
| 2.66E-04 | 5.94E-03 | 5.59E-03 |
| 2.67E-04 | 5.50E-03 | 5.13E-03 |
| 1.48E-04 | 1.48E-04 | 0.00E+00 |
| 2.25E-04 | 1.65E-03 | 3.42E-04 |
| 7.56E-04 | 1.01E-02 | 8.92E-03 |
| 1.83E-04 | 1.51E-03 | 1.33E-03 |
| | 1.18E-02 | 1.02E-02 |
| | 3.11E-03 | 2.25E-03 |
| | 3.00E-03 | 2.33E-03 |
| | 9.72E-04 | 9.30E-04 |
| | 4.72E-03 | 3.89E-03 |
| | 1.96E-03 | 1.21E-03 |
| | 7.11E-04 | 2.92E-04 |
| | 5.86E-04 | 0.00E+00 |
| | 5.02E-04 | 0.00E+00 |
| | 4.42E-03 | 3.28E-03 |
| | 3.86E-03 | 3.07E-03 |
| | 1.25E-03 | 6.05E-04 |
| | 7.00E-03 | 5.88E-03 |
| | 2.68E-03 | 1.42E-03 |
| | 6.95E-03 | 6.28E-03 |
| | 4.19E-04 | 0.00E+00 |
| | 6.95E-03 | 6.28E-03 |
| | 4.19E-04 | 0.00E+00 |
| | 1.15E-03 | 7.31E-04 |
| | 2.34E-03 | 1.72E-03 |
| | 9.72E-04 | 9.30E-04 |
| | 1.21E-02 | 1.15E-02 |
| | 4.28E-04 | 1.18E-04 |
| | 1.86E-03 | 1.57E-03 |
| | 1.67E-03 | 1.28E-03 |
| | 2.36E-03 | 1.86E-03 |
| | 3.11E-04 | 0.00E+00 |
| | 5.56E-04 | 3.58E-04 |
| | 1.68E-03 | 1.35E-03 |
| | 3.35E-04 | 3.77E-05 |
| | 9.28E-04 | 5.27E-04 |

| | |
|----------|----------|
| 1.00E-03 | 5.98E-04 |
| 3.11E-03 | 2.65E-03 |
| 7.45E-04 | 1.46E-04 |
| 3.11E-04 | 0.00E+00 |
| 5.17E-04 | 3.10E-04 |
| 2.16E-04 | 0.00E+00 |
| 1.81E-03 | 1.43E-03 |
| 1.81E-03 | 1.43E-03 |
| 6.78E-04 | 2.94E-04 |
| 6.07E-04 | 2.23E-04 |
| 3.62E-03 | 3.07E-03 |
| 1.23E-03 | 4.02E-04 |
| 1.23E-03 | 4.02E-04 |
| 2.51E-02 | 2.33E-02 |
| 5.51E-04 | 0.00E+00 |
| 5.51E-04 | 0.00E+00 |
| 1.80E-02 | |



Table 6-1 Fire Frequency Bins and G

| ID | Location | Ignition Source (Equipment Type) | Mode |
|-----|-------------------------------|---|-------|
| 1 | Battery Room | Batteries | All |
| 2 | Containment (PWR) | Reactor Coolant Pump | Power |
| 3 | Containment (PWR) | Transients and Hotwork | Power |
| 4 | Control Room | Main Control Board | All |
| 5 | Control/Aux/Reactor Building | Cable fires caused by welding and cutting | Power |
| 6 | Control/Aux/Reactor Building | Transient fires caused by welding and cutting | Power |
| 7 | Control/Aux/Reactor Building | Transients | Power |
| 8 | Diesel Generator Room | Diesel Generators | All |
| 9 | Plant-Wide Components | Air Compressors | All |
| 10 | Plant-Wide Components | Battery Chargers | All |
| 11 | Plant-Wide Components | Cable fires caused by welding and cutting | Power |
| 12 | Plant-Wide Components | Cable Run (Self-ignited cable fires) | All |
| 13 | Plant-Wide Components | Dryers | All |
| 14 | Plant-Wide Components | Electric Motors | All |
| 15 | Plant-Wide Components | Electrical Cabinets | All |
| 16 | Plant-Wide Components | High Energy Arcing Faults | All |
| 17 | Plant-Wide Components | Hydrogen Tanks | All |
| 18 | Plant-Wide Components | Junction Boxes | All |
| 19 | Plant-Wide Components | Misc. Hydrogen Fires | All |
| 20 | Plant-Wide Components | Off-gas/H ₂ Recombiner (BWR) | Power |
| 21 | Plant-Wide Components | Pumps | All |
| 22 | Plant-Wide Components | RPS MG Sets | Power |
| 23a | Plant-Wide Components | Transformers (Oil filled) | All |
| 23b | Plant-Wide Components | Transformers (Dry) | |
| 24 | Plant-Wide Components | Transient fires caused by welding and cutting | Power |
| 25 | Plant-Wide Components | Transients | Power |
| 26 | Plant-Wide Components | Ventilation Subsystems | All |
| 27 | Transformer Yard ^o | Transformer – Catastrophic ² | Power |
| 28 | Transformer Yard ^o | Transformer - Non Catastrophic ² | Power |
| 29 | Transformer Yard | Yard transformers (Others) | Power |
| 30 | Turbine Building | Boiler | All |
| 31 | Turbine Building | Cable fires caused by welding and cutting | Power |
| 32 | Turbine Building | Main Feedwater Pumps | Power |
| 33 | Turbine Building | Turbine Generator Excitor | Power |
| 34 | Turbine Building | Turbine Generator Hydrogen | Power |
| 35 | Turbine Building | Turbine Generator Oil | Power |
| 36 | Turbine Building | Transient fires caused by welding and cutting | Power |
| 37 | Turbine Building | Transients | Power |

1. See Appendix M for a description of high-energy arcing fault (HEAF) fires.
2. See Section 6.5.6 below for a definition.
3. The event should be considered either as an electrical or oil fire, whichever yields the worst consequences.

energetic Frequencies

| Generic Freq (per rx yr) | Split Fractions for Fire Type | | | | | |
|-----------------------------|-------------------------------|------|-----------|---------|----------|-------------------|
| | Electrical | Oil | Transient | Hotwork | Hydrogen | HEAF ¹ |
| 7.50E-04 | 1 | 0 | 0 | 0 | 0 | 0 |
| 6.10E-03 | 0.14 | 0.86 | 0 | 0 | 0 | 0 |
| 2.00E-03 | 0 | 0 | 0.44 | 0.56 | 0 | 0 |
| 2.50E-03 | 1 | 0 | 0 | 0 | 0 | 0 |
| 1.60E-03 | 0 | 0 | 0 | 1 | 0 | 0 |
| 9.70E-03 | 0 | 0 | 0 | 1 | 0 | 0 |
| 3.90E-03 | 0 | 0 | 1 | 0 | 0 | 0 |
| 2.10E-02 | 0.16 | 0.84 | 0 | 0 | 0 | 0 |
| 2.40E-03 | 0.83 | 0.17 | 0 | 0 | 0 | 0 |
| 1.80E-03 | 1 | 0 | 0 | 0 | 0 | 0 |
| 2.00E-03 | 0 | 0 | 0 | 1 | 0 | 0 |
| 4.40E-03 | 1 | 0 | 0 | 0 | 0 | 0 |
| 2.60E-03 | 0 | 0 | 1 | 0 | 0 | 0 |
| 4.60E-03 | 1 | 0 | 0 | 0 | 0 | 0 |
| 4.50E-02 | 1 | 0 | 0 | 0 | 0 | 0 |
| 1.50E-03 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1.70E-03 | 0 | 0 | 0 | 0 | 1 | 0 |
| 1.90E-03 | 1 | 0 | 0 | 0 | 0 | 0 |
| 2.50E-03 | 0 | 0 | 0 | 0 | 1 | 0 |
| 4.40E-02 | 0 | 0 | 0 | 0 | 1 | 0 |
| 2.10E-02 | 0.54 | 0.46 | 0 | 0 | 0 | 0 |
| 1.60E-03 | 1 | 0 | 0 | 0 | 0 | 0 |
| 9.90E-03 | 0 | 1 | 0 | 0 | 0 | 0 |
| | 1 | 0 | 0 | 0 | 0 | 0 |
| 4.90E-03 | 0 | 0 | 0 | 1 | 0 | 0 |
| 9.90E-03 | 0 | 0 | 1 | 0 | 0 | 0 |
| 7.40E-03 | 0.95 | 0.05 | 0 | 0 | 0 | 0 |
| 6.00E-03 | 1 | | 0 | 0 | 0 | 0 |
| 1.20E-02 | 1 | | 0 | 0 | 0 | 0 |
| 2.20E-03 | 1 | 0 | 0 | 0 | 0 | 0 |
| 1.10E-03 | 0 | 1 | 0 | 0 | 0 | 0 |
| 1.60E-03 | 0 | 0 | 0 | 1 | 0 | 0 |
| 1.30E-02 | 0.11 | 0.89 | 0 | 0 | 0 | 0 |
| 3.90E-03 | 1 | 0 | 0 | 0 | 0 | 0 |
| 6.50E-03 | 0 | 0 | 0 | 0 | 1 | 0 |
| 9.50E-03 | 0 | 1 | 0 | 0 | 0 | 0 |
| 8.20E-03 | 0 | 0 | 0 | 1 | 0 | 0 |
| 8.50E-03 | 0 | 0 | 1 | 0 | 0 | 0 |

NRC SENSITIVITY TRA

| REF. NO. | PAU | PAU DESCRIPTION | TRANSIENT FIRE STANDARD GENERIC LOCATION G GROUP |
|----------|--------------------|--|--|
| | (J) | | (L) |
| 1 | 01AN | Reactor Building - Torus North | CAR |
| 2 | 01AS | Reactor Building - Torus South (Bays 5 - 11) | CAR |
| 3 | 01B | Reactor Building - Northwest Corner Room | CAR |
| 4 | 01C | Reactor Building - Northeast Corner Room | CAR |
| 5 | 01D | Reactor Building - Southeast Corner Room | CAR |
| 6 | 01E | Reactor Building - HPCI Room | CAR |
| 7 | 01F | Reactor Building - RCIC Room | CAR |
| 8 | 01G | Reactor Building - Southwest Corner Room | CAR |
| 9 | 01H | Reactor Building - Radwaste 1T-70 Tank Room | CAR |
| 10 | 02A | Reactor Building - North CRD Module Area | CAR |
| 11 | 02B | Reactor Building - South CRD Module Area | CAR |
| 12 | 02C | Reactor Building - CRD Repair Room | CAR |
| 13 | 02D | Reactor Building - RHR Valve Room | CAR |
| 14 | 02E | Reactor Building - Offgas Recombiner Room | CAR |
| 15 | 02F | Reactor Building - Railroad Airlock | CAR |
| 16 | 02G | Reactor Building - Steam Tunnel | CAR |
| 17 | 02H ⁽¹⁾ | Reactor Building - North Chase | CAR |
| 18 | 02J | Reactor Building - North Stair 8 | CAR |
| 19 | 02K | Reactor Building - South Stair 6 and Elevator | CAR |
| 20 | 02L ⁽¹⁾ | Reactor Building - RHR Valve Room Pipe Chase | CAR |
| 21 | 02M ⁽¹⁾ | Reactor Building - Exhaust Fan Room Chase | CAR |
| 22 | 03A | Reactor Building - North Laydown Area 786' | CAR |
| 23 | 03B | Reactor Building - South Hatch Area 786' | CAR |
| 24 | 03C | Reactor Building - Standby Gas Treatment System Room | CAR |
| 25 | 03D | Reactor Building - MG Sets Room | CAR |
| 26 | 03E | Reactor Building - Spent Resin Tank Room | CAR |
| 27 | 03F | Reactor Building - Cleanup Phase Separator Room | CAR |
| 28 | 04A | Reactor Building - RBCCW Heat Exchanger/Chillers | CAR |
| 29 | 04B | Reactor Building - South Hatch Area 812' | CAR |
| 30 | 04C | Reactor Building - Exhaust Fan Room | CAR |

| | | | |
|----|--------------------|--|-----|
| 31 | 04D | Reactor Building - Heating Hot Water Pumps Room | CAR |
| 32 | 04E | Reactor Building - Air Supply Fan Room | CAR |
| 33 | 04F | Reactor Building - Jungle Room | CAR |
| 34 | 04G | Reactor Building - Fuel Pool Pump Area | CAR |
| 35 | 05A | Reactor Building - Laydown and Hatch Area 833' | CAR |
| 36 | 05B | Reactor Building - Phase Separator/Skimmer Surge Tank Rooms | CAR |
| 37 | 05C | Reactor Building - Turbine Building Exhaust Fan Penthouse | CAR |
| 38 | 06A | Reactor Building - Refuel Floor | CAR |
| 61 | 10A | Control Building - Battery Room Corridor | CAR |
| 62 | 10B | Control Building - 1D2, West Battery Room | CAR |
| 63 | 10C | Control Building - 1D4, Middle Battery Room | CAR |
| 64 | 10D | Control Building - 1D1, East Battery Room | CAR |
| 65 | 10E | Control Building - 1A4, West Essential Switchgear Room (Div. II) | CAR |
| 66 | 10F | Control Building - 1A3, East Essential Switchgear Room (Div. I) | CAR |
| 67 | 10G | Control Building - Electrical Chase | CAR |
| 68 | 11A | Control Building - Cable Spreading Room | CAR |
| 69 | 12A | Control Building - Control Room Complex | CAR |
| 70 | 12B | Control Building - Control Building HVAC Room & HVAC Chase | CAR |
| | | | |
| 39 | 07A | Turbine Building - Reactor Feed Pump Area | TB |
| 40 | 07B | Turbine Building - 1A2, Lower Switchgear Room | TB |
| 41 | 07C | Turbine Building - Turbine Lube Oil Tank Area | TB |
| 42 | 07D ⁽¹⁾ | Turbine Building - Turbine Lube Oil Storage Tank Vault | TB |
| 43 | 07E | Turbine Building - Condensate Pump Area | TB |
| 44 | 07F | Turbine Building - Condenser/Heater Bay | TB |
| 45 | 07G | Turbine Building - Steam Jet Air Ejector Room | TB |
| 46 | 07H | Turbine Building - North Stair 12 | TB |
| 47 | 07J | Turbine Building - South Stair 14 | TB |
| 48 | 08A | Turbine Building - Ground Floor North | TB |
| 49 | 08B | Turbine Building - 1A1, Upper Switchgear Room | TB |
| 50 | 08C | Turbine Building - East Tube Pulling Area | TB |
| 51 | 08D | Turbine Building - Ground Floor South | TB |
| 52 | 08E | Turbine Building - Aux Boiler Room | TB |
| 53 | 08F | Turbine Building - 1G-21, 'B' EDG Room (West) | TB |
| 54 | 08G | Turbine Building - 'B' EDG Day Tank Room | TB |
| 55 | 08H | Turbine Building - 1G-31, 'A' EDG Room (East) | TB |
| 56 | 08J | Turbine Building - 'A' EDG Day Tank Room | TB |
| 57 | 08K | Turbine Building - Demineralizer Pump and Tank Cells | TB |
| 58 | 09A | Turbine Building - Op Deck North | TB |
| 59 | 09B ⁽¹⁾ | Turbine Building - Op Deck Middle | TB |
| 60 | 09C | Turbine Building - Op Deck South | TB |

| | | | |
|----|-----|---|----|
| 71 | 13A | Radwaste Building - Radwaste Drumming and Shipping Area | PW |
| 72 | 13B | Radwaste Building - Radwaste Treatment and Access Area | PW |

| | | | |
|----|-----|---|----|
| 73 | 13C | Radwaste Building - Radwaste Precoat and Access Area | PW |
| 74 | 13D | Radwaste Building - Radwaste Control Room | PW |
| 75 | 13E | Radwaste Building -Stair 18 | PW |
| 76 | 15A | Offgas Retention Building - Offgas Charcoal Absorber Vault | PW |
| 77 | 15B | Offgas Retention Building - Offgas Control and Glycol Area | PW |
| 78 | 15C | Offgas Retention Building - Offgas Prefilter and Condenser Area | PW |
| 79 | 16A | Pumphouse - 'B' RHRSW and ESW Pump Room | PW |
| 80 | 16B | Pumphouse - 'A' RHRSW and ESW Pump Room | PW |
| 81 | 16C | Pumphouse - Main Circ Pump Room and Circ Pit | PW |
| 82 | 16D | Pumphouse -Diesel Fire Pump Room | PW |
| 83 | 16E | Pumphouse - Fire Pump Day Tank Room | PW |
| 84 | 16F | Pumphouse -Basement | PW |
| 85 | 16G | Pumphouse - Stilling Basin and Wet Pits | PW |
| 86 | 17A | Intake Structure - Division I Pump Room (North) | PW |
| 87 | 17B | Intake Structure - Division II Pump Room (South) | PW |
| 88 | 17C | Intake Structure - Division I Screen Area (North) | PW |
| 89 | 17D | Intake Structure - Division II Screen Area (South) | PW |
| 90 | 22A | Service Air Compressor Building | PW |
| 91 | CT1 | A Cooling Tower (West) | PW |
| 92 | CT2 | B Cooling Tower (East) | PW |
| 93 | OAG | Outside Above Ground | PW |
| 94 | OGS | Offgas Stack | PW |
| 95 | OUG | Outside Under Ground | PW |

Notes to Table 4.3-3

A value of 1 was assigned to these PAUs for storage to postulate a transient for all PAUs per the

Total Location
Control/Aux/Reactor Buildings (CAR)
Turbine Building (TB)
Plantwide and all Other Locations (PW)

Average Location
Control/Aux/Reactor Buildings (CAR)
Turbine Building (TB)
Plantwide and all Other Locations (PW)

TRANSIENT FIRE INFLUENCE FACTORS

| HUMAN ACTIVITY INFLUENCE FACTORS | | | | CABLE INFLUENCE FACTORS | | WEIGHTING FACTORS | | | |
|----------------------------------|----------------------------------|--------------------------------|------------------------------|------------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|--|
| PAU HOTWORK INFLUENCE FACTOR | PAU MECH / ELEC INFLUENCE FACTOR | PAU OCCUPANCY INFLUENCE FACTOR | PAU STORAGE INFLUENCE FACTOR | PAU CABLE LOCATIONWEIGHTING FACTOR | PAU CABLE TOTAL WEIGHTING FACTOR | HOTWORK AND GENERALTRANSIENT (BIN 3) | GENERAL TRANSIENT (BINS 7, 25, 37) | TRANSIENT CAUSED BYCUTTING AND WELDING(BINS 6, 24, 36) | CABLE FIRES CAUSED BY CUTTING ANDWELDING(BINS 5, 11, 31) |
| (N _H) | (N _M) | (N _O) | (N _S) | (W _{C,J,L}) | (W _{C,J}) | (W _{HW/GT}) | (W _{GT}) | (W _{WC}) | (W _{CF}) |
| 3 | 3 | 3 | 10 | 0.00E+00 | 0.00E+00 | 1.31E-02 | 1.23E-02 | 1.95E-02 | 0.00E+00 |
| 3 | 3 | 3 | 10 | 1.38E-02 | 8.43E-03 | 1.31E-02 | 1.23E-02 | 1.95E-02 | 1.51E-02 |
| 3 | 3 | 3 | 10 | 1.55E-03 | 9.46E-04 | 1.31E-02 | 1.23E-02 | 1.95E-02 | 1.69E-03 |
| 3 | 3 | 3 | 10 | 1.37E-02 | 8.36E-03 | 1.31E-02 | 1.23E-02 | 1.95E-02 | 1.50E-02 |
| 3 | 3 | 3 | 10 | 2.46E-03 | 1.50E-03 | 1.31E-02 | 1.23E-02 | 1.95E-02 | 2.69E-03 |
| 10 | 10 | 3 | 10 | 6.88E-03 | 4.20E-03 | 2.27E-02 | 1.77E-02 | 6.49E-02 | 2.51E-02 |
| 10 | 10 | 3 | 10 | 2.67E-03 | 1.63E-03 | 2.27E-02 | 1.77E-02 | 6.49E-02 | 9.73E-03 |
| 3 | 3 | 10 | 10 | 7.68E-04 | 4.69E-04 | 1.79E-02 | 1.77E-02 | 1.95E-02 | 8.40E-04 |
| 3 | 3 | 3 | 3 | 2.18E-03 | 1.33E-03 | 8.25E-03 | 6.92E-03 | 1.95E-02 | 2.38E-03 |
| 3 | 50 | 10 | 10 | 1.06E-01 | 6.45E-02 | 5.02E-02 | 5.38E-02 | 1.95E-02 | 1.16E-01 |
| 3 | 50 | 10 | 10 | 6.82E-02 | 4.16E-02 | 5.02E-02 | 5.38E-02 | 1.95E-02 | 7.45E-02 |
| 3 | 3 | 3 | 10 | 0.00E+00 | 0.00E+00 | 1.31E-02 | 1.23E-02 | 1.95E-02 | 0.00E+00 |
| 3 | 10 | 3 | 10 | 1.48E-03 | 9.00E-04 | 1.79E-02 | 1.77E-02 | 1.95E-02 | 1.61E-03 |
| 3 | 3 | 10 | 3 | 1.18E-02 | 7.19E-03 | 1.31E-02 | 1.23E-02 | 1.95E-02 | 1.29E-02 |
| 3 | 3 | 10 | 10 | 8.61E-04 | 5.25E-04 | 1.79E-02 | 1.77E-02 | 1.95E-02 | 9.40E-04 |
| 3 | 3 | 3 | 10 | 0.00E+00 | 0.00E+00 | 1.31E-02 | 1.23E-02 | 1.95E-02 | 0.00E+00 |
| 0 | 0 | 0 | 3 | 2.45E-02 | 1.49E-02 | 2.06E-03 | 2.31E-03 | 0.00E+00 | 0.00E+00 |
| 3 | 3 | 10 | 3 | 0.00E+00 | 0.00E+00 | 1.31E-02 | 1.23E-02 | 1.95E-02 | 0.00E+00 |
| 3 | 3 | 10 | 3 | 0.00E+00 | 0.00E+00 | 1.31E-02 | 1.23E-02 | 1.95E-02 | 0.00E+00 |
| 0 | 0 | 0 | 3 | 0.00E+00 | 0.00E+00 | 2.06E-03 | 2.31E-03 | 0.00E+00 | 0.00E+00 |
| 0 | 0 | 0 | 3 | 0.00E+00 | 0.00E+00 | 2.06E-03 | 2.31E-03 | 0.00E+00 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 5.70E-02 | 3.48E-02 | 2.27E-02 | 2.31E-02 | 1.95E-02 | 6.23E-02 |
| 3 | 3 | 10 | 10 | 6.15E-02 | 3.75E-02 | 1.79E-02 | 1.77E-02 | 1.95E-02 | 6.72E-02 |
| 3 | 10 | 10 | 10 | 1.52E-02 | 9.24E-03 | 2.27E-02 | 2.31E-02 | 1.95E-02 | 1.65E-02 |
| 3 | 10 | 3 | 10 | 4.36E-02 | 2.66E-02 | 1.79E-02 | 1.77E-02 | 1.95E-02 | 4.76E-02 |
| 3 | 3 | 3 | 3 | 3.07E-04 | 1.87E-04 | 8.25E-03 | 6.92E-03 | 1.95E-02 | 3.35E-04 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 8.25E-03 | 6.92E-03 | 1.95E-02 | 0.00E+00 |
| 10 | 10 | 10 | 10 | 5.46E-02 | 3.33E-02 | 2.75E-02 | 2.31E-02 | 6.49E-02 | 1.99E-01 |
| 3 | 3 | 10 | 10 | 0.00E+00 | 0.00E+00 | 1.79E-02 | 1.77E-02 | 1.95E-02 | 0.00E+00 |
| 3 | 10 | 3 | 10 | 2.46E-04 | 1.50E-04 | 1.79E-02 | 1.77E-02 | 1.95E-02 | 2.69E-04 |

| | | | | | | | | | |
|----|----|----|----|----------|----------|----------|----------|----------|----------|
| 3 | 3 | 3 | 3 | 5.23E-03 | 3.19E-03 | 8.25E-03 | 6.92E-03 | 1.95E-02 | 5.71E-03 |
| 3 | 10 | 3 | 10 | 3.38E-04 | 2.06E-04 | 1.79E-02 | 1.77E-02 | 1.95E-02 | 3.69E-04 |
| 3 | 10 | 10 | 10 | 6.15E-05 | 3.75E-05 | 2.27E-02 | 2.31E-02 | 1.95E-02 | 6.72E-05 |
| 3 | 3 | 3 | 10 | 6.05E-03 | 3.69E-03 | 1.31E-02 | 1.23E-02 | 1.95E-02 | 6.61E-03 |
| 3 | 3 | 10 | 10 | 2.77E-04 | 1.69E-04 | 1.79E-02 | 1.77E-02 | 1.95E-02 | 3.03E-04 |
| 3 | 3 | 3 | 10 | 2.34E-03 | 1.42E-03 | 1.31E-02 | 1.23E-02 | 1.95E-02 | 2.54E-03 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 8.25E-03 | 6.92E-03 | 1.95E-02 | 0.00E+00 |
| 3 | 3 | 3 | 10 | 9.22E-05 | 5.62E-05 | 1.31E-02 | 1.23E-02 | 1.95E-02 | 1.01E-04 |
| 3 | 50 | 10 | 10 | 2.72E-03 | 1.66E-03 | 5.02E-02 | 5.38E-02 | 1.95E-02 | 2.97E-03 |
| 3 | 50 | 10 | 10 | 0.00E+00 | 0.00E+00 | 5.02E-02 | 5.38E-02 | 1.95E-02 | 0.00E+00 |
| 3 | 50 | 10 | 10 | 0.00E+00 | 0.00E+00 | 5.02E-02 | 5.38E-02 | 1.95E-02 | 0.00E+00 |
| 3 | 50 | 10 | 10 | 0.00E+00 | 0.00E+00 | 5.02E-02 | 5.38E-02 | 1.95E-02 | 0.00E+00 |
| 3 | 50 | 10 | 10 | 2.51E-02 | 1.53E-02 | 5.02E-02 | 5.38E-02 | 1.95E-02 | 2.74E-02 |
| 3 | 50 | 10 | 10 | 2.96E-02 | 1.80E-02 | 5.02E-02 | 5.38E-02 | 1.95E-02 | 3.22E-02 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 8.25E-03 | 6.92E-03 | 1.95E-02 | 0.00E+00 |
| 1 | 1 | 1 | 1 | 3.15E-01 | 1.92E-01 | 2.75E-03 | 2.31E-03 | 6.49E-03 | 1.15E-01 |
| 3 | 50 | 10 | 10 | 1.24E-01 | 7.59E-02 | 5.02E-02 | 5.38E-02 | 1.95E-02 | 1.36E-01 |
| 3 | 10 | 3 | 10 | 9.22E-05 | 5.62E-05 | 1.79E-02 | 1.77E-02 | 1.95E-02 | 1.01E-04 |
| | | | | | | | | | |
| 10 | 10 | 10 | 10 | 1.29E-01 | 3.44E-02 | 7.60E-02 | 6.64E-02 | 1.35E-01 | 3.29E-01 |
| 3 | 10 | 10 | 10 | 1.03E-01 | 2.76E-02 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 7.93E-02 |
| 3 | 3 | 10 | 10 | 4.63E-02 | 1.24E-02 | 4.94E-02 | 5.09E-02 | 4.05E-02 | 3.56E-02 |
| 0 | 0 | 0 | 3 | 0.00E+00 | 0.00E+00 | 5.70E-03 | 6.64E-03 | 0.00E+00 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 8.66E-02 | 2.31E-02 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 6.64E-02 |
| 3 | 3 | 3 | 3 | 1.79E-01 | 4.78E-02 | 2.28E-02 | 1.99E-02 | 4.05E-02 | 1.37E-01 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 2.28E-02 | 1.99E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 3 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.94E-02 | 5.09E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 3 | 3 | 10 | 0.00E+00 | 0.00E+00 | 3.61E-02 | 3.54E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 2.51E-01 | 6.69E-02 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 1.92E-01 |
| 3 | 10 | 10 | 10 | 6.73E-02 | 1.79E-02 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 5.14E-02 |
| 3 | 3 | 10 | 10 | 3.15E-02 | 8.40E-03 | 4.94E-02 | 5.09E-02 | 4.05E-02 | 2.41E-02 |
| 3 | 10 | 10 | 10 | 8.78E-02 | 2.34E-02 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 6.72E-02 |
| 10 | 10 | 10 | 10 | 1.62E-03 | 4.31E-04 | 7.60E-02 | 6.64E-02 | 1.35E-01 | 4.13E-03 |
| 3 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 2.28E-02 | 1.99E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 2.28E-02 | 1.99E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 2.28E-02 | 1.99E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 3 | 10 | 10 | 1.70E-02 | 4.53E-03 | 4.94E-02 | 5.09E-02 | 4.05E-02 | 1.30E-02 |
| 0 | 0 | 0 | 3 | 0.00E+00 | 0.00E+00 | 5.70E-03 | 6.64E-03 | 0.00E+00 | 0.00E+00 |
| 3 | 3 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.94E-02 | 5.09E-02 | 4.05E-02 | 0.00E+00 |

| | | | | | | | | | |
|---|---|---|----|----------|----------|----------|----------|----------|----------|
| 3 | 3 | 3 | 10 | 6.44E-02 | 7.95E-03 | 2.23E-02 | 2.31E-02 | 1.91E-02 | 3.47E-02 |
| 3 | 3 | 3 | 10 | 4.19E-02 | 5.17E-03 | 2.23E-02 | 2.31E-02 | 1.91E-02 | 2.26E-02 |

| | | | | | | | | | |
|----|----|----|----|----------|----------|----------|----------|----------|----------|
| 3 | 3 | 10 | 10 | 7.77E-02 | 9.59E-03 | 3.06E-02 | 3.31E-02 | 1.91E-02 | 4.19E-02 |
| 3 | 10 | 10 | 10 | 1.24E-01 | 1.53E-02 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 6.69E-02 |
| 3 | 3 | 10 | 10 | 0.00E+00 | 0.00E+00 | 3.06E-02 | 3.31E-02 | 1.91E-02 | 0.00E+00 |
| 3 | 3 | 3 | 3 | 1.47E-02 | 1.81E-03 | 1.41E-02 | 1.30E-02 | 1.91E-02 | 7.91E-03 |
| 3 | 3 | 3 | 10 | 8.01E-02 | 9.88E-03 | 2.23E-02 | 2.31E-02 | 1.91E-02 | 4.32E-02 |
| 3 | 3 | 10 | 3 | 5.14E-02 | 6.33E-03 | 2.23E-02 | 2.31E-02 | 1.91E-02 | 2.77E-02 |
| 3 | 10 | 10 | 10 | 2.58E-02 | 3.19E-03 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 1.39E-02 |
| 3 | 10 | 10 | 10 | 2.74E-02 | 3.38E-03 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 1.48E-02 |
| 3 | 10 | 10 | 10 | 8.42E-02 | 1.04E-02 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 4.54E-02 |
| 3 | 50 | 10 | 10 | 0.00E+00 | 0.00E+00 | 8.58E-02 | 1.01E-01 | 1.91E-02 | 0.00E+00 |
| 3 | 3 | 10 | 10 | 0.00E+00 | 0.00E+00 | 3.06E-02 | 3.31E-02 | 1.91E-02 | 0.00E+00 |
| 3 | 3 | 3 | 3 | 2.45E-02 | 3.03E-03 | 1.41E-02 | 1.30E-02 | 1.91E-02 | 1.32E-02 |
| 3 | 10 | 3 | 0 | 0.00E+00 | 0.00E+00 | 1.88E-02 | 1.87E-02 | 1.91E-02 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 8.66E-03 | 1.07E-03 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 4.68E-03 |
| 3 | 10 | 10 | 10 | 8.66E-03 | 1.07E-03 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 4.68E-03 |
| 10 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 4.32E-02 | 6.37E-02 | 0.00E+00 |
| 10 | 10 | 10 | 10 | 1.83E-01 | 2.26E-02 | 4.70E-02 | 4.32E-02 | 6.37E-02 | 3.29E-01 |
| 10 | 10 | 10 | 10 | 1.83E-01 | 2.26E-02 | 4.70E-02 | 4.32E-02 | 6.37E-02 | 3.29E-01 |
| 50 | 50 | 10 | 10 | 0.00E+00 | 0.00E+00 | 1.41E-01 | 1.01E-01 | 3.18E-01 | 0.00E+00 |
| 10 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 4.32E-02 | 6.37E-02 | 0.00E+00 |
| 10 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 4.32E-02 | 6.37E-02 | 0.00E+00 |

⊃ ASME/ANS RA-Sa-2009 standard.

| | | | | | | | | | |
|-----|------|-----|-----|----------|----------|----------|----------|----------|----------|
| 385 | 1023 | 646 | 777 | 3.00E+00 | 1.00E+00 | 3.00E+00 | 3.00E+00 | 3.00E+00 | 3.00E+00 |
| 154 | 633 | 280 | 387 | 1.00E+00 | 6.10E-01 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 |
| 74 | 123 | 158 | 171 | 1.00E+00 | 2.67E-01 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 |
| 157 | 267 | 208 | 219 | 9.99E-01 | 1.23E-01 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 |

| | | | |
|-------|--------|-------|-------|
| 4.053 | 10.768 | 6.800 | 8.179 |
| 3.208 | 13.188 | 5.833 | 8.063 |
| 3.364 | 5.591 | 7.182 | 7.773 |
| 6.280 | 10.680 | 8.320 | 8.760 |

| CABLE SELF IGN. AND JUNCTION BOXES(BINS 12 AND 18) |
|--|
| (Wc,i) |
| 0.00E+00 |
| 8.43E-03 |
| 9.46E-04 |
| 8.36E-03 |
| 1.50E-03 |
| 4.20E-03 |
| 1.63E-03 |
| 4.69E-04 |
| 1.33E-03 |
| 6.45E-02 |
| 4.16E-02 |
| 0.00E+00 |
| 9.00E-04 |
| 7.19E-03 |
| 5.25E-04 |
| 0.00E+00 |
| 1.49E-02 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 3.48E-02 |
| 3.75E-02 |
| 9.24E-03 |
| 2.66E-02 |
| 1.87E-04 |
| 0.00E+00 |
| 3.33E-02 |
| 0.00E+00 |
| 1.50E-04 |

| (NH) x (Wc,i) |
|------------------|
| 0.00E+00 |
| 2.53E-02 |
| 2.84E-03 |
| 2.51E-02 |
| 4.50E-03 |
| 4.20E-02 |
| 1.63E-02 |
| 1.41E-03 |
| 3.99E-03 |
| 1.94E-01 |
| 1.25E-01 |
| 0.00E+00 |
| 2.70E-03 |
| 2.16E-02 |
| 1.58E-03 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 1.04E-01 |
| 1.13E-01 |
| 2.77E-02 |
| 7.98E-02 |
| 5.61E-04 |
| 0.00E+00 |
| 3.33E-01 |
| 0.00E+00 |
| 4.50E-04 |

| | |
|----------|----------|
| 3.19E-03 | 9.57E-03 |
| 2.06E-04 | 6.18E-04 |
| 3.75E-05 | 1.13E-04 |
| 3.69E-03 | 1.11E-02 |
| 1.69E-04 | 5.07E-04 |
| 1.42E-03 | 4.26E-03 |
| 0.00E+00 | 0.00E+00 |
| 5.62E-05 | 1.69E-04 |
| 1.66E-03 | 4.98E-03 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 1.53E-02 | 4.59E-02 |
| 1.80E-02 | 5.40E-02 |
| 0.00E+00 | 0.00E+00 |
| 1.92E-01 | 1.92E-01 |
| 7.59E-02 | 2.28E-01 |
| 5.62E-05 | 1.69E-04 |
| | |
| 3.44E-02 | 3.44E-01 |
| 2.76E-02 | 8.28E-02 |
| 1.24E-02 | 3.72E-02 |
| 0.00E+00 | 0.00E+00 |
| 2.31E-02 | 6.93E-02 |
| 4.78E-02 | 1.43E-01 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 6.69E-02 | 2.01E-01 |
| 1.79E-02 | 5.37E-02 |
| 8.40E-03 | 2.52E-02 |
| 2.34E-02 | 7.02E-02 |
| 4.31E-04 | 4.31E-03 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 4.53E-03 | 1.36E-02 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| | |
| 7.95E-03 | 2.39E-02 |
| 5.17E-03 | 1.55E-02 |

| |
|----------|
| 9.59E-03 |
| 1.53E-02 |
| 0.00E+00 |
| 1.81E-03 |
| 9.88E-03 |
| 6.33E-03 |
| 3.19E-03 |
| 3.38E-03 |
| 1.04E-02 |
| 0.00E+00 |
| 0.00E+00 |
| 3.03E-03 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 1.07E-03 |
| 1.07E-03 |
| 0.00E+00 |
| 2.26E-02 |
| 2.26E-02 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |

| |
|----------|
| 2.88E-02 |
| 4.59E-02 |
| 0.00E+00 |
| 5.43E-03 |
| 2.96E-02 |
| 1.90E-02 |
| 9.57E-03 |
| 1.01E-02 |
| 3.12E-02 |
| 0.00E+00 |
| 0.00E+00 |
| 9.09E-03 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 3.21E-03 |
| 3.21E-03 |
| 0.00E+00 |
| 2.26E-01 |
| 2.26E-01 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |

| |
|----------|
| 1.00E+00 |
| 6.10E-01 |
| 2.67E-01 |
| 1.23E-01 |

| |
|----------|
| 3.41E+00 |
| 1.68E+00 |
| 1.04E+00 |
| 6.87E-01 |



| Ref. No. | PAU | PAU Description | Location |
|-----------------|------------|--|-----------------|
| 1 | 01AN | Reactor Building - Torus North | CAR |
| 2 | 01AS | Reactor Building - Torus South (Bays 5 - 11) | CAR |
| 3 | 01B | Reactor Building - Northwest Corner Room | CAR |
| 4 | 01C | Reactor Building - Northeast Corner Room | CAR |
| 5 | 01D | Reactor Building - Southeast Corner Room | CAR |
| 6 | 01E | Reactor Building - HPCI Room | CAR |
| 7 | 01F | Reactor Building - RCIC Room | CAR |
| 8 | 01G | Reactor Building - Southwest Corner Room | CAR |
| 9 | 01H | Reactor Building - Radwaste 1T-70 Tank Room | CAR |
| 10 | 02A | Reactor Building - North CRD Module Area | CAR |
| 11 | 02B | Reactor Building - South CRD Module Area | CAR |
| 12 | 02C | Reactor Building - CRD Repair Room | CAR |
| 13 | 02D | Reactor Building - RHR Valve Room | CAR |
| 14 | 02E | Reactor Building - Offgas Recombiner Room | CAR |
| 15 | 02F | Reactor Building - Railroad Airlock | CAR |
| 16 | 02G | Reactor Building - Steam Tunnel | CAR |
| 17 | 02H | Reactor Building - North Chase | CAR |
| 18 | 02J | Reactor Building - North Stair 8 | CAR |
| 19 | 02K | Reactor Building - South Stair 6 and Elevator | CAR |
| 20 | 02L | Reactor Building - RHR Valve Room Pipe Chase | CAR |
| 21 | 02M | Reactor Building - Exhaust Fan Room Chase | CAR |
| 22 | 03A | Reactor Building - North Laydown Area 786' | CAR |
| 23 | 03B | Reactor Building - South Hatch Area 786' | CAR |
| 24 | 03C | Reactor Building - Standby Gas Treatment System Room | CAR |
| 25 | 03D | Reactor Building - MG Sets Room | CAR |
| 26 | 03E | Reactor Building - Spent Resin Tank Room | CAR |
| 27 | 03F | Reactor Building - Cleanup Phase Separator Room | CAR |
| 28 | 04A | Reactor Building - RBCCW Heat Exchanger/Chillers | CAR |
| 29 | 04B | Reactor Building - South Hatch Area 812' | CAR |
| 30 | 04C | Reactor Building - Exhaust Fan Room | CAR |
| 31 | 04D | Reactor Building - Heating Hot Water Pumps Room | CAR |
| 32 | 04E | Reactor Building - Air Supply Fan Room | CAR |
| 33 | 04F | Reactor Building - Jungle Room | CAR |
| 34 | 04G | Reactor Building - Fuel Pool Pump Area | CAR |

| | | | |
|----|-----|--|-----|
| 35 | 05A | Reactor Building - Laydown and Hatch Area 833' | CAR |
| 36 | 05B | Reactor Building - Phase Separator/Skimmer Surge Tank Rooms | CAR |
| 37 | 05C | Reactor Building - Turbine Building Exhaust Fan Penthouse | CAR |
| 38 | 06A | Reactor Building - Refuel Floor | CAR |
| 61 | 10A | Control Building - Battery Room Corridor | CAR |
| 62 | 10B | Control Building - 1D2, West Battery Room | CAR |
| 63 | 10C | Control Building - 1D4, Middle Battery Room | CAR |
| 64 | 10D | Control Building - 1D1, East Battery Room | CAR |
| 65 | 10E | Control Building - 1A4, West Essential Switchgear Room (Div. II) | CAR |
| 66 | 10F | Control Building - 1A3, East Essential Switchgear Room (Div. I) | CAR |
| 67 | 10G | Control Building - Electrical Chase | CAR |
| 68 | 11A | Control Building - Cable Spreading Room | CAR |
| 69 | 12A | Control Building - Control Room Complex | CAR |
| 70 | 12B | Control Building - Control Building HVAC Room & HVAC Chase | CAR |
| 39 | 07A | Turbine Building - Reactor Feed Pump Area | TB |
| 40 | 07B | Turbine Building - 1A2, Lower Switchgear Room | TB |
| 41 | 07C | Turbine Building - Turbine Lube Oil Tank Area | TB |
| 42 | 07D | Turbine Building - Turbine Lube Oil Storage Tank Vault | TB |
| 43 | 07E | Turbine Building - Condensate Pump Area | TB |
| 44 | 07F | Turbine Building - Condenser/Heater Bay | TB |
| 45 | 07G | Turbine Building - Steam Jet Air Ejector Room | TB |
| 46 | 07H | Turbine Building - North Stair 12 | TB |
| 47 | 07J | Turbine Building - South Stair 14 | TB |
| 48 | 08A | Turbine Building - Ground Floor North | TB |
| 49 | 08B | Turbine Building - 1A1, Upper Switchgear Room | TB |
| 50 | 08C | Turbine Building - East Tube Pulling Area | TB |
| 51 | 08D | Turbine Building - Ground Floor South | TB |
| 52 | 08E | Turbine Building - Aux Boiler Room | TB |
| 53 | 08F | Turbine Building - 1G-21, 'B' EDG Room (West) | TB |
| 54 | 08G | Turbine Building - 'B' EDG Day Tank Room | TB |
| 55 | 08H | Turbine Building - 1G-31, 'A' EDG Room (East) | TB |
| 56 | 08J | Turbine Building - 'A' EDG Day Tank Room | TB |
| 57 | 08K | Turbine Building - Demineralizer Pump and Tank Cells | TB |
| 58 | 09A | Turbine Building - Op Deck North | TB |
| 59 | 09B | Turbine Building - Op Deck Middle | TB |
| 60 | 09C | Turbine Building - Op Deck South | TB |
| 71 | 13A | Radwaste Building - Radwaste Drumming and Shipping Area | PW |
| 72 | 13B | Radwaste Building - Radwaste Treatment and Access Area | PW |
| 73 | 13C | Radwaste Building - Radwaste Precoat and Access Area | PW |
| 74 | 13D | Radwaste Building - Radwaste Control Room | PW |
| 75 | 13E | Radwaste Building -Stair 18 | PW |
| 76 | 15A | Offgas Retention Building - Offgas Charcoal Absorber Vault | PW |
| 77 | 15B | Offgas Retention Building - Offgas Control and Glycol Area | PW |
| 78 | 15C | Offgas Retention Building - Offgas Prefilter and Condenser Area | PW |
| 79 | 16A | Pumphouse - 'B' RHRSW and ESW Pump Room | PW |

| | | | |
|----|-------------|--|----|
| 80 | 16B | Pumphouse - 'A' RHRSW and ESW Pump Room | PW |
| 81 | 16C | Pumphouse - Main Circ Pump Room and Circ Pit | PW |
| 82 | 16D | Pumphouse -Diesel Fire Pump Room | PW |
| 83 | 16E | Pumphouse - Fire Pump Day Tank Room | PW |
| 84 | 16F | Pumphouse -Basement | PW |
| 85 | 16G | Pumphouse - Stilling Basin and Wet Pits | PW |
| 86 | 17A | Intake Structure - Division I Pump Room (North) | PW |
| 87 | 17B | Intake Structure - Division II Pump Room (South) | PW |
| 88 | 17C | Intake Structure - Division I Screen Area (North) | PW |
| 89 | 17D | Intake Structure - Division II Screen Area (South) | PW |
| 90 | 22A | Service Air Compressor Building | PW |
| 91 | CT1 | A Cooling Tower (West) | PW |
| 92 | CT2 | B Cooling Tower (East) | PW |
| 93 | OAG | Outside Above Ground | PW |
| 94 | OGS | Offgas Stack | PW |
| 95 | OUG | Outside Under Ground | PW |
| | YARD | Switchyard | |

1. All hot work influence factors, except CSR, upped by one category

[illegible]

[illegible]

36

37

| | HOTWORK AND GENERAL TRANSIENT (BIN 3) | GENERAL TRANSIENT (BINS 7, 25, 37) | TRANSIENT CAUSED BY CUTTING AND WELDING (BINS 6, 24, 36) | CABLE FIRES CAUSED BY CUTTING AND WELDING (BINS 5, 11, 31) | CABLE SELF IGN. AND JUNCTION BOXES (BINS 12 AND 18) | |
|----------|--|---------------------------------------|--|--|---|----------|
| | Calculated FIF | | | | | |
| | (WHW/GT) | (WGT) | (WWC) | (WCF) | (WC,J) | Total |
| PWR Only | | 4.39E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.65E-04 |
| PWR Only | | 4.39E-05 | 1.22E-04 | 4.06E-06 | 4.75E-05 | 2.17E-04 |
| PWR Only | | 4.39E-05 | 1.22E-04 | 4.56E-07 | 5.34E-06 | 1.71E-04 |
| PWR Only | | 4.39E-05 | 1.22E-04 | 4.03E-06 | 4.72E-05 | 2.17E-04 |
| PWR Only | | 4.39E-05 | 1.22E-04 | 7.23E-07 | 8.46E-06 | 1.75E-04 |
| PWR Only | | 6.32E-05 | 4.05E-04 | 6.74E-06 | 2.37E-05 | 4.99E-04 |
| PWR Only | | 6.32E-05 | 4.05E-04 | 2.62E-06 | 9.19E-06 | 4.80E-04 |
| PWR Only | | 6.32E-05 | 1.22E-04 | 2.26E-07 | 2.65E-06 | 1.88E-04 |
| PWR Only | | 2.47E-05 | 1.22E-04 | 6.41E-07 | 7.50E-06 | 1.54E-04 |
| PWR Only | | 1.92E-04 | 1.22E-04 | 3.11E-05 | 3.64E-04 | 7.09E-04 |
| PWR Only | | 1.92E-04 | 1.22E-04 | 2.00E-05 | 2.35E-04 | 5.68E-04 |
| PWR Only | | 4.39E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.65E-04 |
| PWR Only | | 6.32E-05 | 1.22E-04 | 4.34E-07 | 5.08E-06 | 1.90E-04 |
| PWR Only | | 4.39E-05 | 1.22E-04 | 3.46E-06 | 4.06E-05 | 2.10E-04 |
| PWR Only | | 6.32E-05 | 1.22E-04 | 2.53E-07 | 2.96E-06 | 1.88E-04 |
| PWR Only | | 4.39E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.65E-04 |
| PWR Only | | 8.24E-06 | 0.00E+00 | 0.00E+00 | 8.40E-05 | 9.23E-05 |
| PWR Only | | 4.39E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.65E-04 |
| PWR Only | | 4.39E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.65E-04 |
| PWR Only | | 8.24E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.24E-06 |
| PWR Only | | 8.24E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.24E-06 |
| PWR Only | | 8.24E-05 | 1.22E-04 | 1.68E-05 | 1.96E-04 | 4.17E-04 |
| PWR Only | | 6.32E-05 | 1.22E-04 | 1.81E-05 | 2.12E-04 | 4.14E-04 |
| PWR Only | | 8.24E-05 | 1.22E-04 | 4.45E-06 | 5.21E-05 | 2.61E-04 |
| PWR Only | | 6.32E-05 | 1.22E-04 | 1.28E-05 | 1.50E-04 | 3.48E-04 |
| PWR Only | | 2.47E-05 | 1.22E-04 | 9.01E-08 | 1.05E-06 | 1.47E-04 |
| PWR Only | | 2.47E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.46E-04 |
| PWR Only | | 8.24E-05 | 4.05E-04 | 5.35E-05 | 1.88E-04 | 7.29E-04 |
| PWR Only | | 6.32E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.85E-04 |
| PWR Only | | 6.32E-05 | 1.22E-04 | 7.23E-08 | 8.46E-07 | 1.86E-04 |
| PWR Only | | 2.47E-05 | 1.22E-04 | 1.54E-06 | 1.80E-05 | 1.66E-04 |
| PWR Only | | 6.32E-05 | 1.22E-04 | 9.92E-08 | 1.16E-06 | 1.86E-04 |
| PWR Only | | 8.24E-05 | 1.22E-04 | 1.81E-08 | 2.12E-07 | 2.04E-04 |
| PWR Only | | 4.39E-05 | 1.22E-04 | 1.78E-06 | 2.08E-05 | 1.88E-04 |

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|----------|----------|----------|----------|----------|----------|
| PWR Only | 6.32E-05 | 1.22E-04 | 8.14E-08 | 9.53E-07 | 1.86E-04 |
| PWR Only | 4.39E-05 | 1.22E-04 | 6.84E-07 | 8.01E-06 | 1.74E-04 |
| PWR Only | 2.47E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.46E-04 |
| PWR Only | 4.39E-05 | 1.22E-04 | 2.71E-08 | 3.17E-07 | 1.66E-04 |
| PWR Only | 1.92E-04 | 1.22E-04 | 8.00E-07 | 9.36E-06 | 3.24E-04 |
| PWR Only | 1.92E-04 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 3.14E-04 |
| PWR Only | 1.92E-04 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 3.14E-04 |
| PWR Only | 1.92E-04 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 3.14E-04 |
| PWR Only | 1.92E-04 | 1.22E-04 | 7.37E-06 | 8.63E-05 | 4.07E-04 |
| PWR Only | 1.92E-04 | 1.22E-04 | 8.67E-06 | 1.02E-04 | 4.24E-04 |
| PWR Only | 2.47E-05 | 1.22E-04 | 0.00E+00 | 0.00E+00 | 1.46E-04 |
| PWR Only | 8.24E-06 | 4.05E-05 | 3.08E-05 | 1.08E-03 | 1.16E-03 |
| PWR Only | 1.92E-04 | 1.22E-04 | 3.66E-05 | 4.28E-04 | 7.78E-04 |
| PWR Only | 6.32E-05 | 1.22E-04 | 2.71E-08 | 3.17E-07 | 1.85E-04 |

| | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 9.53E-04 | 1.48E-04 | 1.94E-04 | 1.70E-03 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 3.57E-05 | 1.56E-04 | 8.79E-04 |
| 7.05E-03 | 6.05E-03 | 3.08E-04 | 2.86E-04 | 1.60E-05 | 6.99E-05 | 6.80E-04 |
| 7.05E-03 | 6.05E-03 | 4.02E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.02E-05 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 2.99E-05 | 1.30E-04 | 8.48E-04 |
| 7.05E-03 | 6.05E-03 | 1.20E-04 | 2.86E-04 | 6.18E-05 | 2.70E-04 | 7.38E-04 |
| 7.05E-03 | 6.05E-03 | 1.20E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 4.06E-04 |
| 7.05E-03 | 6.05E-03 | 3.08E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 5.94E-04 |
| 7.05E-03 | 6.05E-03 | 2.14E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 5.00E-04 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 8.65E-05 | 3.77E-04 | 1.15E-03 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 2.31E-05 | 1.01E-04 | 8.11E-04 |
| 7.05E-03 | 6.05E-03 | 3.08E-04 | 2.86E-04 | 1.09E-05 | 4.74E-05 | 6.52E-04 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 3.02E-05 | 1.32E-04 | 8.50E-04 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 9.53E-04 | 1.86E-06 | 2.43E-06 | 1.36E-03 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 6.87E-04 |
| 7.05E-03 | 6.05E-03 | 1.20E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 4.06E-04 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 6.87E-04 |
| 7.05E-03 | 6.05E-03 | 1.20E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 4.06E-04 |
| 7.05E-03 | 6.05E-03 | 1.20E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 4.06E-04 |
| 7.05E-03 | 6.05E-03 | 3.08E-04 | 2.86E-04 | 5.86E-06 | 2.55E-05 | 6.25E-04 |
| 7.05E-03 | 6.05E-03 | 4.02E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.02E-05 |
| 7.05E-03 | 6.05E-03 | 3.08E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 5.94E-04 |

| | | | | |
|----------|----------|----------|----------|----------|
| 1.58E-04 | 7.38E-05 | 1.64E-05 | 4.48E-05 | 2.93E-04 |
| 1.58E-04 | 7.38E-05 | 1.06E-05 | 2.92E-05 | 2.71E-04 |
| 2.27E-04 | 7.38E-05 | 1.97E-05 | 5.41E-05 | 3.74E-04 |
| 2.96E-04 | 7.38E-05 | 3.15E-05 | 8.63E-05 | 4.87E-04 |
| 2.27E-04 | 7.38E-05 | 0.00E+00 | 0.00E+00 | 3.00E-04 |
| 8.87E-05 | 7.38E-05 | 3.73E-06 | 1.02E-05 | 1.76E-04 |
| 1.58E-04 | 7.38E-05 | 2.03E-05 | 5.57E-05 | 3.08E-04 |
| 1.58E-04 | 7.38E-05 | 1.30E-05 | 3.57E-05 | 2.80E-04 |
| 2.96E-04 | 7.38E-05 | 6.57E-06 | 1.80E-05 | 3.94E-04 |

| | | | | |
|----------|----------|----------|----------|----------|
| 2.96E-04 | 7.38E-05 | 6.96E-06 | 1.91E-05 | 3.95E-04 |
| 2.96E-04 | 7.38E-05 | 2.14E-05 | 5.87E-05 | 4.49E-04 |
| 6.90E-04 | 7.38E-05 | 0.00E+00 | 0.00E+00 | 7.64E-04 |
| 2.27E-04 | 7.38E-05 | 0.00E+00 | 0.00E+00 | 3.00E-04 |
| 8.87E-05 | 7.38E-05 | 6.24E-06 | 1.71E-05 | 1.86E-04 |
| 1.28E-04 | 7.38E-05 | 0.00E+00 | 0.00E+00 | 2.02E-04 |
| 2.96E-04 | 7.38E-05 | 0.00E+00 | 0.00E+00 | 3.69E-04 |
| 2.96E-04 | 7.38E-05 | 0.00E+00 | 0.00E+00 | 3.69E-04 |
| 2.96E-04 | 7.38E-05 | 2.20E-06 | 6.03E-06 | 3.78E-04 |
| 2.96E-04 | 7.38E-05 | 2.20E-06 | 6.03E-06 | 3.78E-04 |
| 2.96E-04 | 2.46E-04 | 0.00E+00 | 0.00E+00 | 5.42E-04 |
| 2.96E-04 | 2.46E-04 | 1.55E-04 | 1.27E-04 | 8.24E-04 |
| 2.96E-04 | 2.46E-04 | 1.55E-04 | 1.27E-04 | 8.24E-04 |
| 6.90E-04 | 1.23E-03 | 0.00E+00 | 0.00E+00 | 1.92E-03 |
| 2.96E-04 | 2.46E-04 | 0.00E+00 | 0.00E+00 | 5.42E-04 |
| 2.96E-04 | 2.46E-04 | 0.00E+00 | 0.00E+00 | 5.42E-04 |

Note: Trans + hot work (Trans + HW) refers to gener

| transient +hot work | Estimated Total FIF | Estimated Fixed-Source Fire Ignition Frequency | NRC Trans + HW Frequency | Licensee- Estimated Trans + HW Frequency | "+" INDICATE! Change |
|------------------------|---------------------------|---|--------------------------------|---|-------------------------|
| 1.65E-04 | 1.65E-04 | 0.00E+00 | 1.65E-04 | 1.66E-04 | -4.10E-09 |
| 1.70E-04 | 2.33E-04 | 1.56E-05 | 1.70E-04 | 1.69E-04 | 6.95E-07 |
| 1.66E-04 | 8.18E-04 | 6.47E-04 | 1.66E-04 | 1.66E-04 | 7.24E-08 |
| 1.70E-04 | 2.32E-04 | 1.50E-05 | 1.70E-04 | 1.69E-04 | 6.88E-07 |
| 1.66E-04 | 6.84E-04 | 5.09E-04 | 1.66E-04 | 1.66E-04 | 1.19E-07 |
| 4.75E-04 | 1.02E-03 | 5.17E-04 | 4.75E-04 | 4.32E-04 | 4.28E-05 |
| 4.71E-04 | 9.96E-04 | 5.16E-04 | 4.71E-04 | 4.29E-04 | 4.18E-05 |
| 1.85E-04 | 7.65E-04 | 5.78E-04 | 1.85E-04 | 1.83E-04 | 2.12E-06 |
| 1.47E-04 | 4.48E-04 | 2.94E-04 | 1.47E-04 | 1.49E-04 | -1.80E-06 |
| 3.45E-04 | 4.77E-03 | 4.06E-03 | 3.45E-04 | 2.86E-04 | 5.90E-05 |
| 3.34E-04 | 2.86E-03 | 2.29E-03 | 3.34E-04 | 2.77E-04 | 5.71E-05 |
| 1.65E-04 | 1.65E-04 | 0.00E+00 | 1.65E-04 | 1.66E-04 | -4.10E-09 |
| 1.85E-04 | 1.92E-04 | 1.93E-06 | 1.85E-04 | 1.83E-04 | 2.16E-06 |
| 1.69E-04 | 2.94E-02 | 2.92E-02 | 1.69E-04 | 1.68E-04 | 5.82E-07 |
| 1.85E-04 | 1.88E-04 | 0.00E+00 | 1.85E-04 | 1.83E-04 | 2.13E-06 |
| 1.65E-04 | 1.65E-04 | 0.00E+00 | 1.65E-04 | 1.66E-04 | -4.10E-09 |
| 8.24E-06 | 9.23E-05 | 0.00E+00 | 8.24E-06 | 8.64E-06 | -4.01E-07 |
| 1.65E-04 | 1.65E-04 | 0.00E+00 | 1.65E-04 | 1.66E-04 | -4.10E-09 |
| 1.65E-04 | 1.65E-04 | 0.00E+00 | 1.65E-04 | 1.66E-04 | -4.10E-09 |
| 8.24E-06 | 8.24E-06 | 0.00E+00 | 8.24E-06 | 8.64E-06 | -4.01E-07 |
| 8.24E-06 | 8.24E-06 | 0.00E+00 | 8.24E-06 | 8.64E-06 | -4.01E-07 |
| 2.21E-04 | 3.04E-03 | 2.62E-03 | 2.21E-04 | 2.14E-04 | 7.03E-06 |
| 2.03E-04 | 3.12E-03 | 2.71E-03 | 2.03E-04 | 2.58E-04 | -5.52E-05 |
| 2.08E-04 | 8.34E-04 | 5.73E-04 | 2.08E-04 | 2.03E-04 | 4.94E-06 |
| 1.98E-04 | 3.25E-03 | 2.91E-03 | 1.98E-04 | 1.93E-04 | 4.27E-06 |
| 1.46E-04 | 2.94E-04 | 1.47E-04 | 1.46E-04 | 1.48E-04 | -1.90E-06 |
| 1.46E-04 | 1.46E-04 | 0.00E+00 | 1.46E-04 | 1.48E-04 | -1.91E-06 |
| 5.41E-04 | 2.11E-03 | 1.38E-03 | 5.41E-04 | 4.84E-04 | 5.69E-05 |
| 1.85E-04 | 1.85E-04 | 0.00E+00 | 1.85E-04 | 1.83E-04 | 2.08E-06 |
| 1.85E-04 | 7.40E-04 | 5.54E-04 | 1.85E-04 | 1.83E-04 | 2.10E-06 |
| 1.48E-04 | 1.62E-03 | 1.45E-03 | 1.48E-04 | 1.49E-04 | -1.65E-06 |
| 1.85E-04 | 6.71E-04 | 4.85E-04 | 1.85E-04 | 1.83E-04 | 2.10E-06 |
| 2.04E-04 | 4.96E-04 | 2.92E-04 | 2.04E-04 | 2.00E-04 | 4.17E-06 |
| 1.67E-04 | 6.96E-04 | 5.08E-04 | 1.67E-04 | 1.67E-04 | 2.97E-07 |

| | | | | | |
|----------|----------|----------|----------|----------|-----------|
| 1.85E-04 | 6.87E-04 | 5.01E-04 | 1.85E-04 | 1.83E-04 | 2.10E-06 |
| 1.66E-04 | 3.23E-04 | 1.49E-04 | 1.66E-04 | 1.66E-04 | 1.10E-07 |
| 1.46E-04 | 5.63E-04 | 4.17E-04 | 1.46E-04 | 1.48E-04 | -1.91E-06 |
| 1.66E-04 | 7.94E-04 | 6.28E-04 | 1.66E-04 | 1.66E-04 | 5.18E-10 |
| 3.15E-04 | 7.59E-04 | 4.35E-04 | 3.15E-04 | 2.61E-04 | 5.38E-05 |
| 3.14E-04 | 8.47E-04 | 5.33E-04 | 3.14E-04 | 2.60E-04 | 5.37E-05 |
| 3.14E-04 | 5.56E-04 | 2.42E-04 | 3.14E-04 | 2.60E-04 | 5.37E-05 |
| 3.14E-04 | 5.56E-04 | 2.42E-04 | 3.14E-04 | 2.60E-04 | 5.37E-05 |
| 3.21E-04 | 5.99E-03 | 5.59E-03 | 3.21E-04 | 2.66E-04 | 5.49E-05 |
| 3.22E-04 | 5.56E-03 | 5.13E-03 | 3.22E-04 | 2.67E-04 | 5.51E-05 |
| 1.46E-04 | 1.46E-04 | 0.00E+00 | 1.46E-04 | 1.48E-04 | -1.91E-06 |
| 7.96E-05 | 1.50E-03 | 3.42E-04 | 7.96E-05 | 2.25E-04 | -1.45E-04 |
| 3.50E-04 | 9.69E-03 | 8.92E-03 | 3.50E-04 | 7.56E-04 | -4.06E-04 |
| 1.85E-04 | 1.51E-03 | 1.33E-03 | 1.85E-04 | 1.83E-04 | 2.09E-06 |
| | 1.19E-02 | 1.02E-02 | 1.50E-03 | 1.40E-03 | 1.07E-04 |
| | 3.13E-03 | 2.25E-03 | 7.23E-04 | 7.07E-04 | 1.64E-05 |
| | 3.01E-03 | 2.33E-03 | 6.10E-04 | 6.03E-04 | 6.98E-06 |
| | 9.70E-04 | 9.30E-04 | 4.02E-05 | 4.17E-05 | -1.59E-06 |
| | 4.74E-03 | 3.89E-03 | 7.17E-04 | 7.01E-04 | 1.66E-05 |
| | 1.94E-03 | 1.21E-03 | 4.68E-04 | 4.83E-04 | -1.51E-05 |
| | 6.98E-04 | 2.92E-04 | 4.06E-04 | 4.19E-04 | -1.29E-05 |
| | 5.94E-04 | 0.00E+00 | 5.94E-04 | 5.86E-04 | 7.46E-06 |
| | 5.00E-04 | 0.00E+00 | 5.00E-04 | 5.03E-04 | -2.74E-06 |
| | 4.43E-03 | 3.28E-03 | 7.74E-04 | 7.59E-04 | 1.46E-05 |
| | 3.88E-03 | 3.07E-03 | 7.10E-04 | 6.94E-04 | 1.68E-05 |
| | 1.26E-03 | 6.05E-04 | 6.05E-04 | 5.97E-04 | 7.07E-06 |
| | 6.73E-03 | 5.88E-03 | 7.18E-04 | 9.91E-04 | -2.73E-04 |
| | 2.78E-03 | 1.42E-03 | 1.36E-03 | 1.26E-03 | 9.74E-05 |
| | 6.97E-03 | 6.28E-03 | 6.87E-04 | 6.70E-04 | 1.77E-05 |
| | 4.06E-04 | 0.00E+00 | 4.06E-04 | 4.19E-04 | -1.29E-05 |
| | 6.97E-03 | 6.28E-03 | 6.87E-04 | 6.70E-04 | 1.77E-05 |
| | 4.06E-04 | 0.00E+00 | 4.06E-04 | 4.19E-04 | -1.29E-05 |
| | 1.14E-03 | 7.31E-04 | 4.06E-04 | 4.19E-04 | -1.29E-05 |
| | 2.35E-03 | 1.72E-03 | 6.00E-04 | 5.92E-04 | 7.25E-06 |
| | 9.70E-04 | 9.30E-04 | 4.02E-05 | 4.17E-05 | -1.59E-06 |
| | 1.21E-02 | 1.15E-02 | 5.94E-04 | 5.86E-04 | 7.46E-06 |
| | 4.11E-04 | 1.18E-04 | 2.48E-04 | 2.65E-04 | -1.74E-05 |
| | 1.84E-03 | 1.57E-03 | 2.42E-04 | 2.59E-04 | -1.70E-05 |
| | 1.66E-03 | 1.28E-03 | 3.20E-04 | 3.32E-04 | -1.23E-05 |
| | 2.35E-03 | 1.86E-03 | 4.01E-04 | 4.09E-04 | -8.48E-06 |
| | 3.00E-04 | 0.00E+00 | 3.00E-04 | 3.11E-04 | -1.08E-05 |
| | 5.35E-04 | 3.58E-04 | 1.66E-04 | 1.87E-04 | -2.12E-05 |
| | 1.66E-03 | 1.35E-03 | 2.52E-04 | 2.69E-04 | -1.77E-05 |
| | 3.18E-04 | 3.77E-05 | 2.44E-04 | 2.62E-04 | -1.71E-05 |
| | 9.21E-04 | 5.27E-04 | 3.76E-04 | 3.83E-04 | -6.60E-06 |

| | | | | |
|----------|----------|----------|----------|-----------|
| 9.93E-04 | 5.98E-04 | 3.76E-04 | 3.83E-04 | -6.64E-06 |
| 3.10E-03 | 2.65E-03 | 3.91E-04 | 3.98E-04 | -7.64E-06 |
| 9.09E-04 | 1.46E-04 | 7.64E-04 | 5.99E-04 | 1.64E-04 |
| 3.00E-04 | 0.00E+00 | 3.00E-04 | 3.11E-04 | -1.08E-05 |
| 4.96E-04 | 3.10E-04 | 1.69E-04 | 1.90E-04 | -2.14E-05 |
| 2.02E-04 | 0.00E+00 | 2.02E-04 | 2.16E-04 | -1.36E-05 |
| 1.80E-03 | 1.43E-03 | 3.69E-04 | 3.76E-04 | -6.15E-06 |
| 1.80E-03 | 1.43E-03 | 3.69E-04 | 3.76E-04 | -6.15E-06 |
| 6.72E-04 | 2.94E-04 | 3.72E-04 | 3.78E-04 | -6.30E-06 |
| 6.01E-04 | 2.23E-04 | 3.72E-04 | 3.78E-04 | -6.30E-06 |
| 3.61E-03 | 3.07E-03 | 5.42E-04 | 5.51E-04 | -9.68E-06 |
| 1.23E-03 | 4.02E-04 | 6.97E-04 | 7.01E-04 | -3.93E-06 |
| 1.23E-03 | 4.02E-04 | 6.97E-04 | 7.01E-04 | -4.40E-06 |
| 2.52E-02 | 2.33E-02 | 1.92E-03 | 1.83E-03 | 8.54E-05 |
| 5.42E-04 | 0.00E+00 | 5.42E-04 | 5.51E-04 | -9.68E-06 |
| 5.42E-04 | 0.00E+00 | 5.42E-04 | 5.51E-04 | -9.68E-06 |
| 1.80E-02 | | | | |

al transients and both types of hot work fires

S NRC IS LARGER"



NRC SENSITIVITY TRA

| REF. NO. | PAU | PAU DESCRIPTION | TRANSIENT FIRE STANDARGENERIC LOCATION G GROUP |
|----------|--------------------|--|--|
| | (J) | | (L) |
| 1 | 01AN | Reactor Building - Torus North | CAR |
| 2 | 01AS | Reactor Building - Torus South (Bays 5 - 11) | CAR |
| 3 | 01B | Reactor Building - Northwest Corner Room | CAR |
| 4 | 01C | Reactor Building - Northeast Corner Room | CAR |
| 5 | 01D | Reactor Building - Southeast Corner Room | CAR |
| 6 | 01E | Reactor Building - HPCI Room | CAR |
| 7 | 01F | Reactor Building - RCIC Room | CAR |
| 8 | 01G | Reactor Building - Southwest Corner Room | CAR |
| 9 | 01H | Reactor Building - Radwaste 1T-70 Tank Room | CAR |
| 10 | 02A | Reactor Building - North CRD Module Area | CAR |
| 11 | 02B | Reactor Building - South CRD Module Area | CAR |
| 12 | 02C | Reactor Building - CRD Repair Room | CAR |
| 13 | 02D | Reactor Building - RHR Valve Room | CAR |
| 14 | 02E | Reactor Building - Offgas Recombiner Room | CAR |
| 15 | 02F | Reactor Building - Railroad Airlock | CAR |
| 16 | 02G | Reactor Building - Steam Tunnel | CAR |
| 17 | 02H ⁽¹⁾ | Reactor Building - North Chase | CAR |
| 18 | 02J | Reactor Building - North Stair 8 | CAR |
| 19 | 02K | Reactor Building - South Stair 6 and Elevator | CAR |
| 20 | 02L ⁽¹⁾ | Reactor Building - RHR Valve Room Pipe Chase | CAR |
| 21 | 02M ⁽¹⁾ | Reactor Building - Exhaust Fan Room Chase | CAR |
| 22 | 03A | Reactor Building - North Laydown Area 786' | CAR |
| 23 | 03B | Reactor Building - South Hatch Area 786' | CAR |
| 24 | 03C | Reactor Building - Standby Gas Treatment System Room | CAR |
| 25 | 03D | Reactor Building - MG Sets Room | CAR |
| 26 | 03E | Reactor Building - Spent Resin Tank Room | CAR |
| 27 | 03F | Reactor Building - Cleanup Phase Separator Room | CAR |
| 28 | 04A | Reactor Building - RBCCW Heat Exchanger/Chillers | CAR |
| 29 | 04B | Reactor Building - South Hatch Area 812' | CAR |
| 30 | 04C | Reactor Building - Exhaust Fan Room | CAR |

| | | | |
|----|--------------------|--|-----|
| 31 | 04D | Reactor Building - Heating Hot Water Pumps Room | CAR |
| 32 | 04E | Reactor Building - Air Supply Fan Room | CAR |
| 33 | 04F | Reactor Building - Jungle Room | CAR |
| 34 | 04G | Reactor Building - Fuel Pool Pump Area | CAR |
| 35 | 05A | Reactor Building - Laydown and Hatch Area 833' | CAR |
| 36 | 05B | Reactor Building - Phase Separator/Skimmer Surge Tank Rooms | CAR |
| 37 | 05C | Reactor Building - Turbine Building Exhaust Fan Penthouse | CAR |
| 38 | 06A | Reactor Building - Refuel Floor | CAR |
| 61 | 10A | Control Building - Battery Room Corridor | CAR |
| 62 | 10B | Control Building - 1D2, West Battery Room | CAR |
| 63 | 10C | Control Building - 1D4, Middle Battery Room | CAR |
| 64 | 10D | Control Building - 1D1, East Battery Room | CAR |
| 65 | 10E | Control Building - 1A4, West Essential Switchgear Room (Div. II) | CAR |
| 66 | 10F | Control Building - 1A3, East Essential Switchgear Room (Div. I) | CAR |
| 67 | 10G | Control Building - Electrical Chase | CAR |
| 68 | 11A | Control Building - Cable Spreading Room | CAR |
| 69 | 12A | Control Building - Control Room Complex | CAR |
| 70 | 12B | Control Building - Control Building HVAC Room & HVAC Chase | CAR |
| | | | |
| 39 | 07A | Turbine Building - Reactor Feed Pump Area | TB |
| 40 | 07B | Turbine Building - 1A2, Lower Switchgear Room | TB |
| 41 | 07C | Turbine Building - Turbine Lube Oil Tank Area | TB |
| 42 | 07D ⁽¹⁾ | Turbine Building - Turbine Lube Oil Storage Tank Vault | TB |
| 43 | 07E | Turbine Building - Condensate Pump Area | TB |
| 44 | 07F | Turbine Building - Condenser/Heater Bay | TB |
| 45 | 07G | Turbine Building - Steam Jet Air Ejector Room | TB |
| 46 | 07H | Turbine Building - North Stair 12 | TB |
| 47 | 07J | Turbine Building - South Stair 14 | TB |
| 48 | 08A | Turbine Building - Ground Floor North | TB |
| 49 | 08B | Turbine Building - 1A1, Upper Switchgear Room | TB |
| 50 | 08C | Turbine Building - East Tube Pulling Area | TB |
| 51 | 08D | Turbine Building - Ground Floor South | TB |
| 52 | 08E | Turbine Building - Aux Boiler Room | TB |
| 53 | 08F | Turbine Building - 1G-21, 'B' EDG Room (West) | TB |
| 54 | 08G | Turbine Building - 'B' EDG Day Tank Room | TB |
| 55 | 08H | Turbine Building - 1G-31, 'A' EDG Room (East) | TB |
| 56 | 08J | Turbine Building - 'A' EDG Day Tank Room | TB |
| 57 | 08K | Turbine Building - Demineralizer Pump and Tank Cells | TB |
| 58 | 09A | Turbine Building - Op Deck North | TB |
| 59 | 09B ⁽¹⁾ | Turbine Building - Op Deck Middle | TB |
| 60 | 09C | Turbine Building - Op Deck South | TB |

| | | | |
|----|-----|---|----|
| 71 | 13A | Radwaste Building - Radwaste Drumming and Shipping Area | PW |
| 72 | 13B | Radwaste Building - Radwaste Treatment and Access Area | PW |

| | | | |
|----|-----|---|----|
| 73 | 13C | Radwaste Building - Radwaste Precoat and Access Area | PW |
| 74 | 13D | Radwaste Building - Radwaste Control Room | PW |
| 75 | 13E | Radwaste Building -Stair 18 | PW |
| 76 | 15A | Offgas Retention Building - Offgas Charcoal Absorber Vault | PW |
| 77 | 15B | Offgas Retention Building - Offgas Control and Glycol Area | PW |
| 78 | 15C | Offgas Retention Building - Offgas Prefilter and Condenser Area | PW |
| 79 | 16A | Pumphouse - 'B' RHRSW and ESW Pump Room | PW |
| 80 | 16B | Pumphouse - 'A' RHRSW and ESW Pump Room | PW |
| 81 | 16C | Pumphouse - Main Circ Pump Room and Circ Pit | PW |
| 82 | 16D | Pumphouse -Diesel Fire Pump Room | PW |
| 83 | 16E | Pumphouse - Fire Pump Day Tank Room | PW |
| 84 | 16F | Pumphouse -Basement | PW |
| 85 | 16G | Pumphouse - Stilling Basin and Wet Pits | PW |
| 86 | 17A | Intake Structure - Division I Pump Room (North) | PW |
| 87 | 17B | Intake Structure - Division II Pump Room (South) | PW |
| 88 | 17C | Intake Structure - Division I Screen Area (North) | PW |
| 89 | 17D | Intake Structure - Division II Screen Area (South) | PW |
| 90 | 22A | Service Air Compressor Building | PW |
| 91 | CT1 | A Cooling Tower (West) | PW |
| 92 | CT2 | B Cooling Tower (East) | PW |
| 93 | OAG | Outside Above Ground | PW |
| 94 | OGS | Offgas Stack | PW |
| 95 | OUG | Outside Under Ground | PW |

Notes to Table 4.3-3

A value of 1 was assigned to these PAUs for storage to postulate a transient for all PAUs per the

Total Location
Control/Aux/Reactor Buildings (CAR)
Turbine Building (TB)
Plantwide and all Other Locations (PW)

Average Location
Control/Aux/Reactor Buildings (CAR)
Turbine Building (TB)
Plantwide and all Other Locations (PW)

TRANSIENT FIRE INFLUENCE FACTORS

| HUMAN ACTIVITY INFLUENCE FACTORS | | | | CABLE INFLUENCE FACTORS | | WEIGHTING FACTORS | | | |
|----------------------------------|----------------------------------|--------------------------------|------------------------------|------------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|--|
| PAU HOTWORK INFLUENCE FACTOR | PAU MECH / ELEC INFLUENCE FACTOR | PAU OCCUPANCY INFLUENCE FACTOR | PAU STORAGE INFLUENCE FACTOR | PAU CABLE LOCATIONWEIGHTING FACTOR | PAU CABLE TOTAL WEIGHTING FACTOR | HOTWORK AND GENERALTRANSIENT (BIN 3) | GENERAL TRANSIENT (BINS 7, 25, 37) | TRANSIENT CAUSED BYCUTTING AND WELDING(BINS 6, 24, 36) | CABLE FIRES CAUSED BY CUTTING ANDWELDING(BINS 5, 11, 31) |
| (N _H) | (N _M) | (N _O) | (N _S) | (W _{C,J,L}) | (W _{C,J}) | (W _{HW/GT}) | (W _{GT}) | (W _{WC}) | (W _{CF}) |
| 3 | 3 | 3 | 10 | 0.00E+00 | 0.00E+00 | 1.21E-02 | 1.23E-02 | 1.09E-02 | 0.00E+00 |
| 3 | 3 | 3 | 10 | 1.38E-02 | 8.43E-03 | 1.21E-02 | 1.23E-02 | 1.09E-02 | 7.80E-03 |
| 3 | 3 | 3 | 10 | 1.55E-03 | 9.46E-04 | 1.21E-02 | 1.23E-02 | 1.09E-02 | 8.76E-04 |
| 3 | 3 | 3 | 10 | 1.37E-02 | 8.36E-03 | 1.21E-02 | 1.23E-02 | 1.09E-02 | 7.74E-03 |
| 3 | 3 | 3 | 10 | 2.46E-03 | 1.50E-03 | 1.21E-02 | 1.23E-02 | 1.09E-02 | 1.39E-03 |
| 50 | 10 | 3 | 10 | 6.88E-03 | 4.20E-03 | 4.64E-02 | 1.77E-02 | 1.82E-01 | 6.48E-02 |
| 50 | 10 | 3 | 10 | 2.67E-03 | 1.63E-03 | 4.64E-02 | 1.77E-02 | 1.82E-01 | 2.52E-02 |
| 3 | 3 | 10 | 10 | 7.68E-04 | 4.69E-04 | 1.65E-02 | 1.77E-02 | 1.09E-02 | 4.34E-04 |
| 3 | 3 | 3 | 3 | 2.18E-03 | 1.33E-03 | 7.62E-03 | 6.92E-03 | 1.09E-02 | 1.23E-03 |
| 3 | 50 | 10 | 10 | 1.06E-01 | 6.45E-02 | 4.64E-02 | 5.38E-02 | 1.09E-02 | 5.97E-02 |
| 3 | 50 | 10 | 10 | 6.82E-02 | 4.16E-02 | 4.64E-02 | 5.38E-02 | 1.09E-02 | 3.85E-02 |
| 3 | 3 | 3 | 10 | 0.00E+00 | 0.00E+00 | 1.21E-02 | 1.23E-02 | 1.09E-02 | 0.00E+00 |
| 3 | 10 | 3 | 10 | 1.48E-03 | 9.00E-04 | 1.65E-02 | 1.77E-02 | 1.09E-02 | 8.33E-04 |
| 3 | 3 | 10 | 3 | 1.18E-02 | 7.19E-03 | 1.21E-02 | 1.23E-02 | 1.09E-02 | 6.66E-03 |
| 3 | 3 | 10 | 10 | 8.61E-04 | 5.25E-04 | 1.65E-02 | 1.77E-02 | 1.09E-02 | 4.86E-04 |
| 3 | 3 | 3 | 10 | 0.00E+00 | 0.00E+00 | 1.21E-02 | 1.23E-02 | 1.09E-02 | 0.00E+00 |
| 0 | 0 | 0 | 3 | 2.45E-02 | 1.49E-02 | 1.91E-03 | 2.31E-03 | 0.00E+00 | 0.00E+00 |
| 3 | 3 | 10 | 3 | 0.00E+00 | 0.00E+00 | 1.21E-02 | 1.23E-02 | 1.09E-02 | 0.00E+00 |
| 3 | 3 | 10 | 3 | 0.00E+00 | 0.00E+00 | 1.21E-02 | 1.23E-02 | 1.09E-02 | 0.00E+00 |
| 0 | 0 | 0 | 3 | 0.00E+00 | 0.00E+00 | 1.91E-03 | 2.31E-03 | 0.00E+00 | 0.00E+00 |
| 0 | 0 | 0 | 3 | 0.00E+00 | 0.00E+00 | 1.91E-03 | 2.31E-03 | 0.00E+00 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 5.70E-02 | 3.48E-02 | 2.10E-02 | 2.31E-02 | 1.09E-02 | 3.22E-02 |
| 3 | 3 | 10 | 10 | 6.15E-02 | 3.75E-02 | 1.65E-02 | 1.77E-02 | 1.09E-02 | 3.47E-02 |
| 3 | 10 | 10 | 10 | 1.52E-02 | 9.24E-03 | 2.10E-02 | 2.31E-02 | 1.09E-02 | 8.55E-03 |
| 3 | 10 | 3 | 10 | 4.36E-02 | 2.66E-02 | 1.65E-02 | 1.77E-02 | 1.09E-02 | 2.46E-02 |
| 3 | 3 | 3 | 3 | 3.07E-04 | 1.87E-04 | 7.62E-03 | 6.92E-03 | 1.09E-02 | 1.73E-04 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 7.62E-03 | 6.92E-03 | 1.09E-02 | 0.00E+00 |
| 50 | 10 | 10 | 10 | 5.46E-02 | 3.33E-02 | 5.08E-02 | 2.31E-02 | 1.82E-01 | 5.14E-01 |
| 3 | 3 | 10 | 10 | 0.00E+00 | 0.00E+00 | 1.65E-02 | 1.77E-02 | 1.09E-02 | 0.00E+00 |
| 3 | 10 | 3 | 10 | 2.46E-04 | 1.50E-04 | 1.65E-02 | 1.77E-02 | 1.09E-02 | 1.39E-04 |

| | | | | | | | | | |
|----|----|----|----|----------|----------|----------|----------|----------|----------|
| 3 | 3 | 3 | 3 | 5.23E-03 | 3.19E-03 | 7.62E-03 | 6.92E-03 | 1.09E-02 | 2.95E-03 |
| 3 | 10 | 3 | 10 | 3.38E-04 | 2.06E-04 | 1.65E-02 | 1.77E-02 | 1.09E-02 | 1.91E-04 |
| 3 | 10 | 10 | 10 | 6.15E-05 | 3.75E-05 | 2.10E-02 | 2.31E-02 | 1.09E-02 | 3.47E-05 |
| 3 | 3 | 3 | 10 | 6.05E-03 | 3.69E-03 | 1.21E-02 | 1.23E-02 | 1.09E-02 | 3.42E-03 |
| 3 | 3 | 10 | 10 | 2.77E-04 | 1.69E-04 | 1.65E-02 | 1.77E-02 | 1.09E-02 | 1.56E-04 |
| 3 | 3 | 3 | 10 | 2.34E-03 | 1.42E-03 | 1.21E-02 | 1.23E-02 | 1.09E-02 | 1.31E-03 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 7.62E-03 | 6.92E-03 | 1.09E-02 | 0.00E+00 |
| 3 | 3 | 3 | 10 | 9.22E-05 | 5.62E-05 | 1.21E-02 | 1.23E-02 | 1.09E-02 | 5.20E-05 |
| 3 | 50 | 10 | 10 | 2.72E-03 | 1.66E-03 | 4.64E-02 | 5.38E-02 | 1.09E-02 | 1.54E-03 |
| 3 | 50 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.64E-02 | 5.38E-02 | 1.09E-02 | 0.00E+00 |
| 3 | 50 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.64E-02 | 5.38E-02 | 1.09E-02 | 0.00E+00 |
| 3 | 50 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.64E-02 | 5.38E-02 | 1.09E-02 | 0.00E+00 |
| 3 | 50 | 10 | 10 | 2.51E-02 | 1.53E-02 | 4.64E-02 | 5.38E-02 | 1.09E-02 | 1.42E-02 |
| 3 | 50 | 10 | 10 | 2.96E-02 | 1.80E-02 | 4.64E-02 | 5.38E-02 | 1.09E-02 | 1.67E-02 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 7.62E-03 | 6.92E-03 | 1.09E-02 | 0.00E+00 |
| 1 | 1 | 1 | 1 | 3.15E-01 | 1.92E-01 | 2.54E-03 | 2.31E-03 | 3.65E-03 | 5.93E-02 |
| 3 | 50 | 10 | 10 | 1.24E-01 | 7.59E-02 | 4.64E-02 | 5.38E-02 | 1.09E-02 | 7.03E-02 |
| 3 | 10 | 3 | 10 | 9.22E-05 | 5.62E-05 | 1.65E-02 | 1.77E-02 | 1.09E-02 | 5.20E-05 |
| | | | | | | | | | |
| 10 | 10 | 10 | 10 | 1.29E-01 | 3.44E-02 | 7.60E-02 | 6.64E-02 | 1.35E-01 | 3.29E-01 |
| 3 | 10 | 10 | 10 | 1.03E-01 | 2.76E-02 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 7.93E-02 |
| 3 | 3 | 10 | 10 | 4.63E-02 | 1.24E-02 | 4.94E-02 | 5.09E-02 | 4.05E-02 | 3.56E-02 |
| 0 | 0 | 0 | 3 | 0.00E+00 | 0.00E+00 | 5.70E-03 | 6.64E-03 | 0.00E+00 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 8.66E-02 | 2.31E-02 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 6.64E-02 |
| 3 | 3 | 3 | 3 | 1.79E-01 | 4.78E-02 | 2.28E-02 | 1.99E-02 | 4.05E-02 | 1.37E-01 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 2.28E-02 | 1.99E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 3 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.94E-02 | 5.09E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 3 | 3 | 10 | 0.00E+00 | 0.00E+00 | 3.61E-02 | 3.54E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 2.51E-01 | 6.69E-02 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 1.92E-01 |
| 3 | 10 | 10 | 10 | 6.73E-02 | 1.79E-02 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 5.14E-02 |
| 3 | 3 | 10 | 10 | 3.15E-02 | 8.40E-03 | 4.94E-02 | 5.09E-02 | 4.05E-02 | 2.41E-02 |
| 3 | 10 | 10 | 10 | 8.78E-02 | 2.34E-02 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 6.72E-02 |
| 10 | 10 | 10 | 10 | 1.62E-03 | 4.31E-04 | 7.60E-02 | 6.64E-02 | 1.35E-01 | 4.13E-03 |
| 3 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 2.28E-02 | 1.99E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 2.28E-02 | 1.99E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 2.28E-02 | 1.99E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 3 | 10 | 10 | 1.70E-02 | 4.53E-03 | 4.94E-02 | 5.09E-02 | 4.05E-02 | 1.30E-02 |
| 0 | 0 | 0 | 3 | 0.00E+00 | 0.00E+00 | 5.70E-03 | 6.64E-03 | 0.00E+00 | 0.00E+00 |
| 3 | 3 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.94E-02 | 5.09E-02 | 4.05E-02 | 0.00E+00 |

| | | | | | | | | | |
|---|---|---|----|----------|----------|----------|----------|----------|----------|
| 3 | 3 | 3 | 10 | 6.44E-02 | 7.95E-03 | 2.23E-02 | 2.31E-02 | 1.91E-02 | 3.47E-02 |
| 3 | 3 | 3 | 10 | 4.19E-02 | 5.17E-03 | 2.23E-02 | 2.31E-02 | 1.91E-02 | 2.26E-02 |

| | | | | | | | | | |
|----|----|----|----|----------|----------|----------|----------|----------|----------|
| 3 | 3 | 10 | 10 | 7.77E-02 | 9.59E-03 | 3.06E-02 | 3.31E-02 | 1.91E-02 | 4.19E-02 |
| 3 | 10 | 10 | 10 | 1.24E-01 | 1.53E-02 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 6.69E-02 |
| 3 | 3 | 10 | 10 | 0.00E+00 | 0.00E+00 | 3.06E-02 | 3.31E-02 | 1.91E-02 | 0.00E+00 |
| 3 | 3 | 3 | 3 | 1.47E-02 | 1.81E-03 | 1.41E-02 | 1.30E-02 | 1.91E-02 | 7.91E-03 |
| 3 | 3 | 3 | 10 | 8.01E-02 | 9.88E-03 | 2.23E-02 | 2.31E-02 | 1.91E-02 | 4.32E-02 |
| 3 | 3 | 10 | 3 | 5.14E-02 | 6.33E-03 | 2.23E-02 | 2.31E-02 | 1.91E-02 | 2.77E-02 |
| 3 | 10 | 10 | 10 | 2.58E-02 | 3.19E-03 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 1.39E-02 |
| 3 | 10 | 10 | 10 | 2.74E-02 | 3.38E-03 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 1.48E-02 |
| 3 | 10 | 10 | 10 | 8.42E-02 | 1.04E-02 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 4.54E-02 |
| 3 | 50 | 10 | 10 | 0.00E+00 | 0.00E+00 | 8.58E-02 | 1.01E-01 | 1.91E-02 | 0.00E+00 |
| 3 | 3 | 10 | 10 | 0.00E+00 | 0.00E+00 | 3.06E-02 | 3.31E-02 | 1.91E-02 | 0.00E+00 |
| 3 | 3 | 3 | 3 | 2.45E-02 | 3.03E-03 | 1.41E-02 | 1.30E-02 | 1.91E-02 | 1.32E-02 |
| 3 | 10 | 3 | 0 | 0.00E+00 | 0.00E+00 | 1.88E-02 | 1.87E-02 | 1.91E-02 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 8.66E-03 | 1.07E-03 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 4.68E-03 |
| 3 | 10 | 10 | 10 | 8.66E-03 | 1.07E-03 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 4.68E-03 |
| 10 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 4.32E-02 | 6.37E-02 | 0.00E+00 |
| 10 | 10 | 10 | 10 | 1.83E-01 | 2.26E-02 | 4.70E-02 | 4.32E-02 | 6.37E-02 | 3.29E-01 |
| 10 | 10 | 10 | 10 | 1.83E-01 | 2.26E-02 | 4.70E-02 | 4.32E-02 | 6.37E-02 | 3.29E-01 |
| 50 | 50 | 10 | 10 | 0.00E+00 | 0.00E+00 | 1.41E-01 | 1.01E-01 | 3.18E-01 | 0.00E+00 |
| 10 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 4.32E-02 | 6.37E-02 | 0.00E+00 |
| 10 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 4.32E-02 | 6.37E-02 | 0.00E+00 |

≥ ASME/ANS RA-Sa-2009 standard.

| | | | | | | | | | |
|-----|------|-----|-----|----------|----------|----------|----------|----------|----------|
| 505 | 1023 | 646 | 777 | 3.00E+00 | 1.00E+00 | 3.00E+00 | 3.00E+00 | 3.00E+00 | 3.00E+00 |
| 274 | 633 | 280 | 387 | 1.00E+00 | 6.10E-01 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 |
| 74 | 123 | 158 | 171 | 1.00E+00 | 2.67E-01 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 |
| 157 | 267 | 208 | 219 | 9.99E-01 | 1.23E-01 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 |

| | | | |
|-------|--------|-------|-------|
| 5.316 | 10.768 | 6.800 | 8.179 |
| 5.708 | 13.188 | 5.833 | 8.063 |
| 3.364 | 5.591 | 7.182 | 7.773 |
| 6.280 | 10.680 | 8.320 | 8.760 |

| CABLE SELF IGN. AND JUNCTION BOXES (BINS 12 AND 18) |
|---|
| (W _{C,J}) |
| 0.00E+00 |
| 8.43E-03 |
| 9.46E-04 |
| 8.36E-03 |
| 1.50E-03 |
| 4.20E-03 |
| 1.63E-03 |
| 4.69E-04 |
| 1.33E-03 |
| 6.45E-02 |
| 4.16E-02 |
| 0.00E+00 |
| 9.00E-04 |
| 7.19E-03 |
| 5.25E-04 |
| 0.00E+00 |
| 1.49E-02 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 3.48E-02 |
| 3.75E-02 |
| 9.24E-03 |
| 2.66E-02 |
| 1.87E-04 |
| 0.00E+00 |
| 3.33E-02 |
| 0.00E+00 |
| 1.50E-04 |

| (NH) x (WC,J) |
|------------------|
| 0.00E+00 |
| 2.53E-02 |
| 2.84E-03 |
| 2.51E-02 |
| 4.50E-03 |
| 2.10E-01 |
| 8.15E-02 |
| 1.41E-03 |
| 3.99E-03 |
| 1.94E-01 |
| 1.25E-01 |
| 0.00E+00 |
| 2.70E-03 |
| 2.16E-02 |
| 1.58E-03 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 1.04E-01 |
| 1.13E-01 |
| 2.77E-02 |
| 7.98E-02 |
| 5.61E-04 |
| 0.00E+00 |
| 1.67E+00 |
| 0.00E+00 |
| 4.50E-04 |

| | |
|----------|----------|
| 3.19E-03 | 9.57E-03 |
| 2.06E-04 | 6.18E-04 |
| 3.75E-05 | 1.13E-04 |
| 3.69E-03 | 1.11E-02 |
| 1.69E-04 | 5.07E-04 |
| 1.42E-03 | 4.26E-03 |
| 0.00E+00 | 0.00E+00 |
| 5.62E-05 | 1.69E-04 |
| 1.66E-03 | 4.98E-03 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 1.53E-02 | 4.59E-02 |
| 1.80E-02 | 5.40E-02 |
| 0.00E+00 | 0.00E+00 |
| 1.92E-01 | 1.92E-01 |
| 7.59E-02 | 2.28E-01 |
| 5.62E-05 | 1.69E-04 |
| | |
| 3.44E-02 | 3.44E-01 |
| 2.76E-02 | 8.28E-02 |
| 1.24E-02 | 3.72E-02 |
| 0.00E+00 | 0.00E+00 |
| 2.31E-02 | 6.93E-02 |
| 4.78E-02 | 1.43E-01 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 6.69E-02 | 2.01E-01 |
| 1.79E-02 | 5.37E-02 |
| 8.40E-03 | 2.52E-02 |
| 2.34E-02 | 7.02E-02 |
| 4.31E-04 | 4.31E-03 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 4.53E-03 | 1.36E-02 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| | |
| 7.95E-03 | 2.39E-02 |
| 5.17E-03 | 1.55E-02 |

| |
|----------|
| 9.59E-03 |
| 1.53E-02 |
| 0.00E+00 |
| 1.81E-03 |
| 9.88E-03 |
| 6.33E-03 |
| 3.19E-03 |
| 3.38E-03 |
| 1.04E-02 |
| 0.00E+00 |
| 0.00E+00 |
| 3.03E-03 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 1.07E-03 |
| 1.07E-03 |
| 0.00E+00 |
| 2.26E-02 |
| 2.26E-02 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |

| |
|----------|
| 2.88E-02 |
| 4.59E-02 |
| 0.00E+00 |
| 5.43E-03 |
| 2.96E-02 |
| 1.90E-02 |
| 9.57E-03 |
| 1.01E-02 |
| 3.12E-02 |
| 0.00E+00 |
| 0.00E+00 |
| 9.09E-03 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 3.21E-03 |
| 3.21E-03 |
| 0.00E+00 |
| 2.26E-01 |
| 2.26E-01 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |

1.00E+00
6.10E-01
2.67E-01
1.23E-01

4.97E+00
3.24E+00
1.04E+00
6.87E-01



This sheet is 2, where 2 is #1 + hot work influence factors for HPCI, RCIC, RBCCW se
#1 is all hot work influence factors, except CSR, upped by one category

| Ref. No. | PAU | PAU Description | Location |
|----------|------|--|----------|
| 1 | 01AN | Reactor Building - Torus North | CAR |
| 2 | 01AS | Reactor Building - Torus South (Bays 5 - 11) | CAR |
| 3 | 01B | Reactor Building - Northwest Corner Room | CAR |
| 4 | 01C | Reactor Building - Northeast Corner Room | CAR |
| 5 | 01D | Reactor Building - Southeast Corner Room | CAR |
| 6 | 01E | Reactor Building - HPCI Room | CAR |
| 7 | 01F | Reactor Building - RCIC Room | CAR |
| 8 | 01G | Reactor Building - Southwest Corner Room | CAR |
| 9 | 01H | Reactor Building - Radwaste 1T-70 Tank Room | CAR |
| 10 | 02A | Reactor Building - North CRD Module Area | CAR |
| 11 | 02B | Reactor Building - South CRD Module Area | CAR |
| 12 | 02C | Reactor Building - CRD Repair Room | CAR |
| 13 | 02D | Reactor Building - RHR Valve Room | CAR |
| 14 | 02E | Reactor Building - Offgas Recombiner Room | CAR |
| 15 | 02F | Reactor Building - Railroad Airlock | CAR |
| 16 | 02G | Reactor Building - Steam Tunnel | CAR |
| 17 | 02H | Reactor Building - North Chase | CAR |
| 18 | 02J | Reactor Building - North Stair 8 | CAR |
| 19 | 02K | Reactor Building - South Stair 6 and Elevator | CAR |
| 20 | 02L | Reactor Building - RHR Valve Room Pipe Chase | CAR |
| 21 | 02M | Reactor Building - Exhaust Fan Room Chase | CAR |
| 22 | 03A | Reactor Building - North Laydown Area 786' | CAR |
| 23 | 03B | Reactor Building - South Hatch Area 786' | CAR |
| 24 | 03C | Reactor Building - Standby Gas Treatment System Room | CAR |
| 25 | 03D | Reactor Building - MG Sets Room | CAR |
| 26 | 03E | Reactor Building - Spent Resin Tank Room | CAR |
| 27 | 03F | Reactor Building - Cleanup Phase Separator Room | CAR |
| 28 | 04A | Reactor Building - RBCCW Heat Exchanger/Chillers | CAR |
| 29 | 04B | Reactor Building - South Hatch Area 812' | CAR |
| 30 | 04C | Reactor Building - Exhaust Fan Room | CAR |
| 31 | 04D | Reactor Building - Heating Hot Water Pumps Room | CAR |
| 32 | 04E | Reactor Building - Air Supply Fan Room | CAR |
| 33 | 04F | Reactor Building - Jungle Room | CAR |
| 34 | 04G | Reactor Building - Fuel Pool Pump Area | CAR |

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| 35 | 05A | Reactor Building - Laydown and Hatch Area 833' | CAR |
| 36 | 05B | Reactor Building - Phase Separator/Skimmer Surge Tank Rooms | CAR |
| 37 | 05C | Reactor Building - Turbine Building Exhaust Fan Penthouse | CAR |
| 38 | 06A | Reactor Building - Refuel Floor | CAR |
| 61 | 10A | Control Building - Battery Room Corridor | CAR |
| 62 | 10B | Control Building - 1D2, West Battery Room | CAR |
| 63 | 10C | Control Building - 1D4, Middle Battery Room | CAR |
| 64 | 10D | Control Building - 1D1, East Battery Room | CAR |
| 65 | 10E | Control Building - 1A4, West Essential Switchgear Room (Div. II) | CAR |
| 66 | 10F | Control Building - 1A3, East Essential Switchgear Room (Div. I) | CAR |
| 67 | 10G | Control Building - Electrical Chase | CAR |
| 68 | 11A | Control Building - Cable Spreading Room | CAR |
| 69 | 12A | Control Building - Control Room Complex | CAR |
| 70 | 12B | Control Building - Control Building HVAC Room & HVAC Chase | CAR |
| 39 | 07A | Turbine Building - Reactor Feed Pump Area | TB |
| 40 | 07B | Turbine Building - 1A2, Lower Switchgear Room | TB |
| 41 | 07C | Turbine Building - Turbine Lube Oil Tank Area | TB |
| 42 | 07D | Turbine Building - Turbine Lube Oil Storage Tank Vault | TB |
| 43 | 07E | Turbine Building - Condensate Pump Area | TB |
| 44 | 07F | Turbine Building - Condenser/Heater Bay | TB |
| 45 | 07G | Turbine Building - Steam Jet Air Ejector Room | TB |
| 46 | 07H | Turbine Building - North Stair 12 | TB |
| 47 | 07J | Turbine Building - South Stair 14 | TB |
| 48 | 08A | Turbine Building - Ground Floor North | TB |
| 49 | 08B | Turbine Building - 1A1, Upper Switchgear Room | TB |
| 50 | 08C | Turbine Building - East Tube Pulling Area | TB |
| 51 | 08D | Turbine Building - Ground Floor South | TB |
| 52 | 08E | Turbine Building - Aux Boiler Room | TB |
| 53 | 08F | Turbine Building - 1G-21, 'B' EDG Room (West) | TB |
| 54 | 08G | Turbine Building - 'B' EDG Day Tank Room | TB |
| 55 | 08H | Turbine Building - 1G-31, 'A' EDG Room (East) | TB |
| 56 | 08J | Turbine Building - 'A' EDG Day Tank Room | TB |
| 57 | 08K | Turbine Building - Demineralizer Pump and Tank Cells | TB |
| 58 | 09A | Turbine Building - Op Deck North | TB |
| 59 | 09B | Turbine Building - Op Deck Middle | TB |
| 60 | 09C | Turbine Building - Op Deck South | TB |
| 71 | 13A | Radwaste Building - Radwaste Drumming and Shipping Area | PW |
| 72 | 13B | Radwaste Building - Radwaste Treatment and Access Area | PW |
| 73 | 13C | Radwaste Building - Radwaste Precoat and Access Area | PW |
| 74 | 13D | Radwaste Building - Radwaste Control Room | PW |
| 75 | 13E | Radwaste Building -Stair 18 | PW |
| 76 | 15A | Offgas Retention Building - Offgas Charcoal Absorber Vault | PW |
| 77 | 15B | Offgas Retention Building - Offgas Control and Glycol Area | PW |
| 78 | 15C | Offgas Retention Building - Offgas Prefilter and Condenser Area | PW |
| 79 | 16A | Pumphouse - 'B' RHRSW and ESW Pump Room | PW |

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|----|-------------|--|----|
| 80 | 16B | Pumphouse - 'A' RHRSW and ESW Pump Room | PW |
| 81 | 16C | Pumphouse - Main Circ Pump Room and Circ Pit | PW |
| 82 | 16D | Pumphouse -Diesel Fire Pump Room | PW |
| 83 | 16E | Pumphouse - Fire Pump Day Tank Room | PW |
| 84 | 16F | Pumphouse -Basement | PW |
| 85 | 16G | Pumphouse - Stilling Basin and Wet Pits | PW |
| 86 | 17A | Intake Structure - Division I Pump Room (North) | PW |
| 87 | 17B | Intake Structure - Division II Pump Room (South) | PW |
| 88 | 17C | Intake Structure - Division I Screen Area (North) | PW |
| 89 | 17D | Intake Structure - Division II Screen Area (South) | PW |
| 90 | 22A | Service Air Compressor Building | PW |
| 91 | CT1 | A Cooling Tower (West) | PW |
| 92 | CT2 | B Cooling Tower (East) | PW |
| 93 | OAG | Outside Above Ground | PW |
| 94 | OGS | Offgas Stack | PW |
| 95 | OUG | Outside Under Ground | PW |
| | YARD | Switchyard | |

it to 50.

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[illegible]

36

37

| HOTWORK AND GENERAL TRANSIENT (BIN 3) | GENERAL TRANSIENT (BINS 7, 25, 37) | TRANSIENT CAUSED BY CUTTING AND WELDING (BINS 6, 24, 36) | CABLE FIRES CAUSED BY CUTTING AND WELDING (BINS 5, 11, 31) | CABLE SELF IGN. AND JUNCTION BOXES (BINS 12 AND 18) | |
|---|---------------------------------------|--|---|---|----------|
| Calculated FIF of Trans, HW, SI Cable Fire, Junct Boxes | | | | | |
| (WHW/GT) | (WGT) | (WWC) | (WCF) | (WC,J) | Total |
| PWR Only | 4.39E-05 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 1.12E-04 |
| PWR Only | 4.39E-05 | 6.83E-05 | 2.10E-06 | 4.75E-05 | 1.62E-04 |
| PWR Only | 4.39E-05 | 6.83E-05 | 2.36E-07 | 5.34E-06 | 1.18E-04 |
| PWR Only | 4.39E-05 | 6.83E-05 | 2.08E-06 | 4.72E-05 | 1.61E-04 |
| PWR Only | 4.39E-05 | 6.83E-05 | 3.74E-07 | 8.46E-06 | 1.21E-04 |
| PWR Only | 6.32E-05 | 1.14E-03 | 1.74E-05 | 2.37E-05 | 1.24E-03 |
| PWR Only | 6.32E-05 | 1.14E-03 | 6.77E-06 | 9.19E-06 | 1.22E-03 |
| PWR Only | 6.32E-05 | 6.83E-05 | 1.17E-07 | 2.65E-06 | 1.34E-04 |
| PWR Only | 2.47E-05 | 6.83E-05 | 3.31E-07 | 7.50E-06 | 1.01E-04 |
| PWR Only | 1.92E-04 | 6.83E-05 | 1.61E-05 | 3.64E-04 | 6.40E-04 |
| PWR Only | 1.92E-04 | 6.83E-05 | 1.04E-05 | 2.35E-04 | 5.06E-04 |
| PWR Only | 4.39E-05 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 1.12E-04 |
| PWR Only | 6.32E-05 | 6.83E-05 | 2.24E-07 | 5.08E-06 | 1.37E-04 |
| PWR Only | 4.39E-05 | 6.83E-05 | 1.79E-06 | 4.06E-05 | 1.55E-04 |
| PWR Only | 6.32E-05 | 6.83E-05 | 1.31E-07 | 2.96E-06 | 1.35E-04 |
| PWR Only | 4.39E-05 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 1.12E-04 |
| PWR Only | 8.24E-06 | 0.00E+00 | 0.00E+00 | 8.40E-05 | 9.23E-05 |
| PWR Only | 4.39E-05 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 1.12E-04 |
| PWR Only | 4.39E-05 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 1.12E-04 |
| PWR Only | 8.24E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.24E-06 |
| PWR Only | 8.24E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.24E-06 |
| PWR Only | 8.24E-05 | 6.83E-05 | 8.67E-06 | 1.96E-04 | 3.56E-04 |
| PWR Only | 6.32E-05 | 6.83E-05 | 9.34E-06 | 2.12E-04 | 3.52E-04 |
| PWR Only | 8.24E-05 | 6.83E-05 | 2.30E-06 | 5.21E-05 | 2.05E-04 |
| PWR Only | 6.32E-05 | 6.83E-05 | 6.62E-06 | 1.50E-04 | 2.88E-04 |
| PWR Only | 2.47E-05 | 6.83E-05 | 4.66E-08 | 1.05E-06 | 9.41E-05 |
| PWR Only | 2.47E-05 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| PWR Only | 8.24E-05 | 1.14E-03 | 1.38E-04 | 1.88E-04 | 1.55E-03 |
| PWR Only | 6.32E-05 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 1.31E-04 |
| PWR Only | 6.32E-05 | 6.83E-05 | 3.74E-08 | 8.46E-07 | 1.32E-04 |
| PWR Only | 2.47E-05 | 6.83E-05 | 7.94E-07 | 1.80E-05 | 1.12E-04 |
| PWR Only | 6.32E-05 | 6.83E-05 | 5.13E-08 | 1.16E-06 | 1.33E-04 |
| PWR Only | 8.24E-05 | 6.83E-05 | 9.34E-09 | 2.12E-07 | 1.51E-04 |
| PWR Only | 4.39E-05 | 6.83E-05 | 9.19E-07 | 2.08E-05 | 1.34E-04 |

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|----------|----------|----------|----------|----------|----------|
| PWR Only | 6.32E-05 | 6.83E-05 | 4.21E-08 | 9.53E-07 | 1.32E-04 |
| PWR Only | 4.39E-05 | 6.83E-05 | 3.54E-07 | 8.01E-06 | 1.21E-04 |
| PWR Only | 2.47E-05 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| PWR Only | 4.39E-05 | 6.83E-05 | 1.40E-08 | 3.17E-07 | 1.13E-04 |
| PWR Only | 1.92E-04 | 6.83E-05 | 4.13E-07 | 9.36E-06 | 2.70E-04 |
| PWR Only | 1.92E-04 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 2.61E-04 |
| PWR Only | 1.92E-04 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 2.61E-04 |
| PWR Only | 1.92E-04 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 2.61E-04 |
| PWR Only | 1.92E-04 | 6.83E-05 | 3.81E-06 | 8.63E-05 | 3.51E-04 |
| PWR Only | 1.92E-04 | 6.83E-05 | 4.48E-06 | 1.02E-04 | 3.67E-04 |
| PWR Only | 2.47E-05 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| PWR Only | 8.24E-06 | 2.28E-05 | 1.59E-05 | 1.08E-03 | 1.13E-03 |
| PWR Only | 1.92E-04 | 6.83E-05 | 1.89E-05 | 4.28E-04 | 7.08E-04 |
| PWR Only | 6.32E-05 | 6.83E-05 | 1.40E-08 | 3.17E-07 | 1.32E-04 |

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| 7.05E-03 | 6.05E-03 | 4.02E-04 | 9.53E-04 | 1.48E-04 | 1.94E-04 | 1.70E-03 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 3.57E-05 | 1.56E-04 | 8.79E-04 |
| 7.05E-03 | 6.05E-03 | 3.08E-04 | 2.86E-04 | 1.60E-05 | 6.99E-05 | 6.80E-04 |
| 7.05E-03 | 6.05E-03 | 4.02E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.02E-05 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 2.99E-05 | 1.30E-04 | 8.48E-04 |
| 7.05E-03 | 6.05E-03 | 1.20E-04 | 2.86E-04 | 6.18E-05 | 2.70E-04 | 7.38E-04 |
| 7.05E-03 | 6.05E-03 | 1.20E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 4.06E-04 |
| 7.05E-03 | 6.05E-03 | 3.08E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 5.94E-04 |
| 7.05E-03 | 6.05E-03 | 2.14E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 5.00E-04 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 8.65E-05 | 3.77E-04 | 1.15E-03 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 2.31E-05 | 1.01E-04 | 8.11E-04 |
| 7.05E-03 | 6.05E-03 | 3.08E-04 | 2.86E-04 | 1.09E-05 | 4.74E-05 | 6.52E-04 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 3.02E-05 | 1.32E-04 | 8.50E-04 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 9.53E-04 | 1.86E-06 | 2.43E-06 | 1.36E-03 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 6.87E-04 |
| 7.05E-03 | 6.05E-03 | 1.20E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 4.06E-04 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 6.87E-04 |
| 7.05E-03 | 6.05E-03 | 1.20E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 4.06E-04 |
| 7.05E-03 | 6.05E-03 | 1.20E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 4.06E-04 |
| 7.05E-03 | 6.05E-03 | 3.08E-04 | 2.86E-04 | 5.86E-06 | 2.55E-05 | 6.25E-04 |
| 7.05E-03 | 6.05E-03 | 4.02E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.02E-05 |
| 7.05E-03 | 6.05E-03 | 3.08E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 5.94E-04 |

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| 1.58E-04 | 7.38E-05 | 1.64E-05 | 4.48E-05 | 2.93E-04 |
| 1.58E-04 | 7.38E-05 | 1.06E-05 | 2.92E-05 | 2.71E-04 |
| 2.27E-04 | 7.38E-05 | 1.97E-05 | 5.41E-05 | 3.74E-04 |
| 2.96E-04 | 7.38E-05 | 3.15E-05 | 8.63E-05 | 4.87E-04 |
| 2.27E-04 | 7.38E-05 | 0.00E+00 | 0.00E+00 | 3.00E-04 |
| 8.87E-05 | 7.38E-05 | 3.73E-06 | 1.02E-05 | 1.76E-04 |
| 1.58E-04 | 7.38E-05 | 2.03E-05 | 5.57E-05 | 3.08E-04 |
| 1.58E-04 | 7.38E-05 | 1.30E-05 | 3.57E-05 | 2.80E-04 |
| 2.96E-04 | 7.38E-05 | 6.57E-06 | 1.80E-05 | 3.94E-04 |

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| 2.96E-04 | 7.38E-05 | 6.96E-06 | 1.91E-05 | 3.95E-04 |
| 2.96E-04 | 7.38E-05 | 2.14E-05 | 5.87E-05 | 4.49E-04 |
| 6.90E-04 | 7.38E-05 | 0.00E+00 | 0.00E+00 | 7.64E-04 |
| 2.27E-04 | 7.38E-05 | 0.00E+00 | 0.00E+00 | 3.00E-04 |
| 8.87E-05 | 7.38E-05 | 6.24E-06 | 1.71E-05 | 1.86E-04 |
| 1.28E-04 | 7.38E-05 | 0.00E+00 | 0.00E+00 | 2.02E-04 |
| 2.96E-04 | 7.38E-05 | 0.00E+00 | 0.00E+00 | 3.69E-04 |
| 2.96E-04 | 7.38E-05 | 0.00E+00 | 0.00E+00 | 3.69E-04 |
| 2.96E-04 | 7.38E-05 | 2.20E-06 | 6.03E-06 | 3.78E-04 |
| 2.96E-04 | 7.38E-05 | 2.20E-06 | 6.03E-06 | 3.78E-04 |
| 2.96E-04 | 2.46E-04 | 0.00E+00 | 0.00E+00 | 5.42E-04 |
| 2.96E-04 | 2.46E-04 | 1.55E-04 | 1.27E-04 | 8.24E-04 |
| 2.96E-04 | 2.46E-04 | 1.55E-04 | 1.27E-04 | 8.24E-04 |
| 6.90E-04 | 1.23E-03 | 0.00E+00 | 0.00E+00 | 1.92E-03 |
| 2.96E-04 | 2.46E-04 | 0.00E+00 | 0.00E+00 | 5.42E-04 |
| 2.96E-04 | 2.46E-04 | 0.00E+00 | 0.00E+00 | 5.42E-04 |

Note: Trans + hot work (Trans + HW) refers to gener

| transient +hot work | Estimated Total FIF | Estimated Fixed-Source Fire Ignition Frequency | NRC Trans + HW Frequency | Licensee- Estimated Trans + HW Frequency | "+" INDICATE! Change |
|------------------------|---------------------------|---|--------------------------------|---|-------------------------|
| 1.12E-04 | 1.12E-04 | 0.00E+00 | 1.12E-04 | 1.66E-04 | -5.32E-05 |
| 1.14E-04 | 1.77E-04 | 1.56E-05 | 1.14E-04 | 1.69E-04 | -5.45E-05 |
| 1.12E-04 | 7.65E-04 | 6.47E-04 | 1.12E-04 | 1.66E-04 | -5.34E-05 |
| 1.14E-04 | 1.77E-04 | 1.50E-05 | 1.14E-04 | 1.69E-04 | -5.45E-05 |
| 1.13E-04 | 6.31E-04 | 5.09E-04 | 1.13E-04 | 1.66E-04 | -5.35E-05 |
| 1.22E-03 | 1.76E-03 | 5.17E-04 | 1.22E-03 | 4.32E-04 | 7.87E-04 |
| 1.21E-03 | 1.73E-03 | 5.16E-04 | 1.21E-03 | 4.29E-04 | 7.79E-04 |
| 1.32E-04 | 7.12E-04 | 5.78E-04 | 1.32E-04 | 1.83E-04 | -5.12E-05 |
| 9.34E-05 | 3.95E-04 | 2.94E-04 | 9.34E-05 | 1.49E-04 | -5.54E-05 |
| 2.77E-04 | 4.70E-03 | 4.06E-03 | 2.77E-04 | 2.86E-04 | -9.26E-06 |
| 2.71E-04 | 2.79E-03 | 2.29E-03 | 2.71E-04 | 2.77E-04 | -5.82E-06 |
| 1.12E-04 | 1.12E-04 | 0.00E+00 | 1.12E-04 | 1.66E-04 | -5.32E-05 |
| 1.32E-04 | 1.39E-04 | 1.93E-06 | 1.32E-04 | 1.83E-04 | -5.13E-05 |
| 1.14E-04 | 2.93E-02 | 2.92E-02 | 1.14E-04 | 1.68E-04 | -5.43E-05 |
| 1.32E-04 | 1.35E-04 | 0.00E+00 | 1.32E-04 | 1.83E-04 | -5.12E-05 |
| 1.12E-04 | 1.12E-04 | 0.00E+00 | 1.12E-04 | 1.66E-04 | -5.32E-05 |
| 8.24E-06 | 9.23E-05 | 0.00E+00 | 8.24E-06 | 8.64E-06 | -4.01E-07 |
| 1.12E-04 | 1.12E-04 | 0.00E+00 | 1.12E-04 | 1.66E-04 | -5.32E-05 |
| 1.12E-04 | 1.12E-04 | 0.00E+00 | 1.12E-04 | 1.66E-04 | -5.32E-05 |
| 8.24E-06 | 8.24E-06 | 0.00E+00 | 8.24E-06 | 8.64E-06 | -4.01E-07 |
| 8.24E-06 | 8.24E-06 | 0.00E+00 | 8.24E-06 | 8.64E-06 | -4.01E-07 |
| 1.59E-04 | 2.98E-03 | 2.62E-03 | 1.59E-04 | 2.14E-04 | -5.43E-05 |
| 1.41E-04 | 3.06E-03 | 2.71E-03 | 1.41E-04 | 2.58E-04 | -1.17E-04 |
| 1.53E-04 | 7.79E-04 | 5.73E-04 | 1.53E-04 | 2.03E-04 | -5.05E-05 |
| 1.38E-04 | 3.19E-03 | 2.91E-03 | 1.38E-04 | 1.93E-04 | -5.52E-05 |
| 9.31E-05 | 2.41E-04 | 1.47E-04 | 9.31E-05 | 1.48E-04 | -5.52E-05 |
| 9.30E-05 | 9.30E-05 | 0.00E+00 | 9.30E-05 | 1.48E-04 | -5.51E-05 |
| 1.36E-03 | 2.93E-03 | 1.38E-03 | 1.36E-03 | 4.84E-04 | 8.75E-04 |
| 1.31E-04 | 1.31E-04 | 0.00E+00 | 1.31E-04 | 1.83E-04 | -5.12E-05 |
| 1.32E-04 | 6.87E-04 | 5.54E-04 | 1.32E-04 | 1.83E-04 | -5.12E-05 |
| 9.38E-05 | 1.56E-03 | 1.45E-03 | 9.38E-05 | 1.49E-04 | -5.56E-05 |
| 1.32E-04 | 6.18E-04 | 4.85E-04 | 1.32E-04 | 1.83E-04 | -5.12E-05 |
| 1.51E-04 | 4.43E-04 | 2.92E-04 | 1.51E-04 | 2.00E-04 | -4.91E-05 |
| 1.13E-04 | 6.42E-04 | 5.08E-04 | 1.13E-04 | 1.67E-04 | -5.38E-05 |

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|----------|----------|----------|----------|----------|-----------|
| 1.32E-04 | 6.34E-04 | 5.01E-04 | 1.32E-04 | 1.83E-04 | -5.12E-05 |
| 1.13E-04 | 2.70E-04 | 1.49E-04 | 1.13E-04 | 1.66E-04 | -5.35E-05 |
| 9.30E-05 | 5.10E-04 | 4.17E-04 | 9.30E-05 | 1.48E-04 | -5.51E-05 |
| 1.12E-04 | 7.41E-04 | 6.28E-04 | 1.12E-04 | 1.66E-04 | -5.32E-05 |
| 2.61E-04 | 7.05E-04 | 4.35E-04 | 2.61E-04 | 2.61E-04 | 1.98E-07 |
| 2.61E-04 | 7.93E-04 | 5.33E-04 | 2.61E-04 | 2.60E-04 | 4.46E-07 |
| 2.61E-04 | 5.02E-04 | 2.42E-04 | 2.61E-04 | 2.60E-04 | 4.46E-07 |
| 2.61E-04 | 5.02E-04 | 2.42E-04 | 2.61E-04 | 2.60E-04 | 4.46E-07 |
| 2.64E-04 | 5.94E-03 | 5.59E-03 | 2.64E-04 | 2.66E-04 | -1.85E-06 |
| 2.65E-04 | 5.50E-03 | 5.13E-03 | 2.65E-04 | 2.67E-04 | -2.28E-06 |
| 9.30E-05 | 9.30E-05 | 0.00E+00 | 9.30E-05 | 1.48E-04 | -5.51E-05 |
| 4.70E-05 | 1.47E-03 | 3.42E-04 | 4.70E-05 | 2.25E-04 | -1.78E-04 |
| 2.79E-04 | 9.62E-03 | 8.92E-03 | 2.79E-04 | 7.56E-04 | -4.77E-04 |
| 1.31E-04 | 1.46E-03 | 1.33E-03 | 1.31E-04 | 1.83E-04 | -5.12E-05 |

| | | | | |
|----------|----------|----------|----------|-----------|
| 1.19E-02 | 1.02E-02 | 1.50E-03 | 1.40E-03 | 1.07E-04 |
| 3.13E-03 | 2.25E-03 | 7.23E-04 | 7.07E-04 | 1.64E-05 |
| 3.01E-03 | 2.33E-03 | 6.10E-04 | 6.03E-04 | 6.98E-06 |
| 9.70E-04 | 9.30E-04 | 4.02E-05 | 4.17E-05 | -1.59E-06 |
| 4.74E-03 | 3.89E-03 | 7.17E-04 | 7.01E-04 | 1.66E-05 |
| 1.94E-03 | 1.21E-03 | 4.68E-04 | 4.83E-04 | -1.51E-05 |
| 6.98E-04 | 2.92E-04 | 4.06E-04 | 4.19E-04 | -1.29E-05 |
| 5.94E-04 | 0.00E+00 | 5.94E-04 | 5.86E-04 | 7.46E-06 |
| 5.00E-04 | 0.00E+00 | 5.00E-04 | 5.03E-04 | -2.74E-06 |
| 4.43E-03 | 3.28E-03 | 7.74E-04 | 7.59E-04 | 1.46E-05 |
| 3.88E-03 | 3.07E-03 | 7.10E-04 | 6.94E-04 | 1.68E-05 |
| 1.26E-03 | 6.05E-04 | 6.05E-04 | 5.97E-04 | 7.07E-06 |
| 6.73E-03 | 5.88E-03 | 7.18E-04 | 9.91E-04 | -2.73E-04 |
| 2.78E-03 | 1.42E-03 | 1.36E-03 | 1.26E-03 | 9.74E-05 |
| 6.97E-03 | 6.28E-03 | 6.87E-04 | 6.70E-04 | 1.77E-05 |
| 4.06E-04 | 0.00E+00 | 4.06E-04 | 4.19E-04 | -1.29E-05 |
| 6.97E-03 | 6.28E-03 | 6.87E-04 | 6.70E-04 | 1.77E-05 |
| 4.06E-04 | 0.00E+00 | 4.06E-04 | 4.19E-04 | -1.29E-05 |
| 1.14E-03 | 7.31E-04 | 4.06E-04 | 4.19E-04 | -1.29E-05 |
| 2.35E-03 | 1.72E-03 | 6.00E-04 | 5.92E-04 | 7.25E-06 |
| 9.70E-04 | 9.30E-04 | 4.02E-05 | 4.17E-05 | -1.59E-06 |
| 1.21E-02 | 1.15E-02 | 5.94E-04 | 5.86E-04 | 7.46E-06 |

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|----------|----------|----------|----------|-----------|
| 4.11E-04 | 1.18E-04 | 2.48E-04 | 2.65E-04 | -1.74E-05 |
| 1.84E-03 | 1.57E-03 | 2.42E-04 | 2.59E-04 | -1.70E-05 |
| 1.66E-03 | 1.28E-03 | 3.20E-04 | 3.32E-04 | -1.23E-05 |
| 2.35E-03 | 1.86E-03 | 4.01E-04 | 4.09E-04 | -8.48E-06 |
| 3.00E-04 | 0.00E+00 | 3.00E-04 | 3.11E-04 | -1.08E-05 |
| 5.35E-04 | 3.58E-04 | 1.66E-04 | 1.87E-04 | -2.12E-05 |
| 1.66E-03 | 1.35E-03 | 2.52E-04 | 2.69E-04 | -1.77E-05 |
| 3.18E-04 | 3.77E-05 | 2.44E-04 | 2.62E-04 | -1.71E-05 |
| 9.21E-04 | 5.27E-04 | 3.76E-04 | 3.83E-04 | -6.60E-06 |

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|----------|----------|----------|----------|-----------|
| 9.93E-04 | 5.98E-04 | 3.76E-04 | 3.83E-04 | -6.64E-06 |
| 3.10E-03 | 2.65E-03 | 3.91E-04 | 3.98E-04 | -7.64E-06 |
| 9.09E-04 | 1.46E-04 | 7.64E-04 | 5.99E-04 | 1.64E-04 |
| 3.00E-04 | 0.00E+00 | 3.00E-04 | 3.11E-04 | -1.08E-05 |
| 4.96E-04 | 3.10E-04 | 1.69E-04 | 1.90E-04 | -2.14E-05 |
| 2.02E-04 | 0.00E+00 | 2.02E-04 | 2.16E-04 | -1.36E-05 |
| 1.80E-03 | 1.43E-03 | 3.69E-04 | 3.76E-04 | -6.15E-06 |
| 1.80E-03 | 1.43E-03 | 3.69E-04 | 3.76E-04 | -6.15E-06 |
| 6.72E-04 | 2.94E-04 | 3.72E-04 | 3.78E-04 | -6.30E-06 |
| 6.01E-04 | 2.23E-04 | 3.72E-04 | 3.78E-04 | -6.30E-06 |
| 3.61E-03 | 3.07E-03 | 5.42E-04 | 5.51E-04 | -9.68E-06 |
| 1.23E-03 | 4.02E-04 | 6.97E-04 | 7.01E-04 | -3.93E-06 |
| 1.23E-03 | 4.02E-04 | 6.97E-04 | 7.01E-04 | -4.40E-06 |
| 2.52E-02 | 2.33E-02 | 1.92E-03 | 1.83E-03 | 8.54E-05 |
| 5.42E-04 | 0.00E+00 | 5.42E-04 | 5.51E-04 | -9.68E-06 |
| 5.42E-04 | 0.00E+00 | 5.42E-04 | 5.51E-04 | -9.68E-06 |
| 1.80E-02 | | | | |

al transients and both types of hot work fires

S NRC IS LARGER"



NRC SENSITIVITY TRA

| REF. NO. | PAU | PAU DESCRIPTION | TRANSIENT FIRE STANDARD GENERIC LOCATION G GROUP |
|----------|--------------------|--|--|
| | (J) | | (L) |
| 1 | 01AN | Reactor Building - Torus North | CAR |
| 2 | 01AS | Reactor Building - Torus South (Bays 5 - 11) | CAR |
| 3 | 01B | Reactor Building - Northwest Corner Room | CAR |
| 4 | 01C | Reactor Building - Northeast Corner Room | CAR |
| 5 | 01D | Reactor Building - Southeast Corner Room | CAR |
| 6 | 01E | Reactor Building - HPCI Room | CAR |
| 7 | 01F | Reactor Building - RCIC Room | CAR |
| 8 | 01G | Reactor Building - Southwest Corner Room | CAR |
| 9 | 01H | Reactor Building - Radwaste 1T-70 Tank Room | CAR |
| 10 | 02A | Reactor Building - North CRD Module Area | CAR |
| 11 | 02B | Reactor Building - South CRD Module Area | CAR |
| 12 | 02C | Reactor Building - CRD Repair Room | CAR |
| 13 | 02D | Reactor Building - RHR Valve Room | CAR |
| 14 | 02E | Reactor Building - Offgas Recombiner Room | CAR |
| 15 | 02F | Reactor Building - Railroad Airlock | CAR |
| 16 | 02G | Reactor Building - Steam Tunnel | CAR |
| 17 | 02H ⁽¹⁾ | Reactor Building - North Chase | CAR |
| 18 | 02J | Reactor Building - North Stair 8 | CAR |
| 19 | 02K | Reactor Building - South Stair 6 and Elevator | CAR |
| 20 | 02L ⁽¹⁾ | Reactor Building - RHR Valve Room Pipe Chase | CAR |
| 21 | 02M ⁽¹⁾ | Reactor Building - Exhaust Fan Room Chase | CAR |
| 22 | 03A | Reactor Building - North Laydown Area 786' | CAR |
| 23 | 03B | Reactor Building - South Hatch Area 786' | CAR |
| 24 | 03C | Reactor Building - Standby Gas Treatment System Room | CAR |
| 25 | 03D | Reactor Building - MG Sets Room | CAR |
| 26 | 03E | Reactor Building - Spent Resin Tank Room | CAR |
| 27 | 03F | Reactor Building - Cleanup Phase Separator Room | CAR |
| 28 | 04A | Reactor Building - RBCCW Heat Exchanger/Chillers | CAR |
| 29 | 04B | Reactor Building - South Hatch Area 812' | CAR |
| 30 | 04C | Reactor Building - Exhaust Fan Room | CAR |

| | | | |
|----|--------------------|--|-----|
| 31 | 04D | Reactor Building - Heating Hot Water Pumps Room | CAR |
| 32 | 04E | Reactor Building - Air Supply Fan Room | CAR |
| 33 | 04F | Reactor Building - Jungle Room | CAR |
| 34 | 04G | Reactor Building - Fuel Pool Pump Area | CAR |
| 35 | 05A | Reactor Building - Laydown and Hatch Area 833' | CAR |
| 36 | 05B | Reactor Building - Phase Separator/Skimmer Surge Tank Rooms | CAR |
| 37 | 05C | Reactor Building - Turbine Building Exhaust Fan Penthouse | CAR |
| 38 | 06A | Reactor Building - Refuel Floor | CAR |
| 61 | 10A | Control Building - Battery Room Corridor | CAR |
| 62 | 10B | Control Building - 1D2, West Battery Room | CAR |
| 63 | 10C | Control Building - 1D4, Middle Battery Room | CAR |
| 64 | 10D | Control Building - 1D1, East Battery Room | CAR |
| 65 | 10E | Control Building - 1A4, West Essential Switchgear Room (Div. II) | CAR |
| 66 | 10F | Control Building - 1A3, East Essential Switchgear Room (Div. I) | CAR |
| 67 | 10G | Control Building - Electrical Chase | CAR |
| 68 | 11A | Control Building - Cable Spreading Room | CAR |
| 69 | 12A | Control Building - Control Room Complex | CAR |
| 70 | 12B | Control Building - Control Building HVAC Room & HVAC Chase | CAR |
| | | | |
| 39 | 07A | Turbine Building - Reactor Feed Pump Area | TB |
| 40 | 07B | Turbine Building - 1A2, Lower Switchgear Room | TB |
| 41 | 07C | Turbine Building - Turbine Lube Oil Tank Area | TB |
| 42 | 07D ⁽¹⁾ | Turbine Building - Turbine Lube Oil Storage Tank Vault | TB |
| 43 | 07E | Turbine Building - Condensate Pump Area | TB |
| 44 | 07F | Turbine Building - Condenser/Heater Bay | TB |
| 45 | 07G | Turbine Building - Steam Jet Air Ejector Room | TB |
| 46 | 07H | Turbine Building - North Stair 12 | TB |
| 47 | 07J | Turbine Building - South Stair 14 | TB |
| 48 | 08A | Turbine Building - Ground Floor North | TB |
| 49 | 08B | Turbine Building - 1A1, Upper Switchgear Room | TB |
| 50 | 08C | Turbine Building - East Tube Pulling Area | TB |
| 51 | 08D | Turbine Building - Ground Floor South | TB |
| 52 | 08E | Turbine Building - Aux Boiler Room | TB |
| 53 | 08F | Turbine Building - 1G-21, 'B' EDG Room (West) | TB |
| 54 | 08G | Turbine Building - 'B' EDG Day Tank Room | TB |
| 55 | 08H | Turbine Building - 1G-31, 'A' EDG Room (East) | TB |
| 56 | 08J | Turbine Building - 'A' EDG Day Tank Room | TB |
| 57 | 08K | Turbine Building - Demineralizer Pump and Tank Cells | TB |
| 58 | 09A | Turbine Building - Op Deck North | TB |
| 59 | 09B ⁽¹⁾ | Turbine Building - Op Deck Middle | TB |
| 60 | 09C | Turbine Building - Op Deck South | TB |

| | | | |
|----|-----|---|----|
| 71 | 13A | Radwaste Building - Radwaste Drumming and Shipping Area | PW |
| 72 | 13B | Radwaste Building - Radwaste Treatment and Access Area | PW |

| | | | |
|----|-----|---|----|
| 73 | 13C | Radwaste Building - Radwaste Precoat and Access Area | PW |
| 74 | 13D | Radwaste Building - Radwaste Control Room | PW |
| 75 | 13E | Radwaste Building -Stair 18 | PW |
| 76 | 15A | Offgas Retention Building - Offgas Charcoal Absorber Vault | PW |
| 77 | 15B | Offgas Retention Building - Offgas Control and Glycol Area | PW |
| 78 | 15C | Offgas Retention Building - Offgas Prefilter and Condenser Area | PW |
| 79 | 16A | Pumphouse - 'B' RHRSW and ESW Pump Room | PW |
| 80 | 16B | Pumphouse - 'A' RHRSW and ESW Pump Room | PW |
| 81 | 16C | Pumphouse - Main Circ Pump Room and Circ Pit | PW |
| 82 | 16D | Pumphouse -Diesel Fire Pump Room | PW |
| 83 | 16E | Pumphouse - Fire Pump Day Tank Room | PW |
| 84 | 16F | Pumphouse -Basement | PW |
| 85 | 16G | Pumphouse - Stilling Basin and Wet Pits | PW |
| 86 | 17A | Intake Structure - Division I Pump Room (North) | PW |
| 87 | 17B | Intake Structure - Division II Pump Room (South) | PW |
| 88 | 17C | Intake Structure - Division I Screen Area (North) | PW |
| 89 | 17D | Intake Structure - Division II Screen Area (South) | PW |
| 90 | 22A | Service Air Compressor Building | PW |
| 91 | CT1 | A Cooling Tower (West) | PW |
| 92 | CT2 | B Cooling Tower (East) | PW |
| 93 | OAG | Outside Above Ground | PW |
| 94 | OGS | Offgas Stack | PW |
| 95 | OUG | Outside Under Ground | PW |

Notes to Table 4.3-3

A value of 1 was assigned to these PAUs for storage to postulate a transient for all PAUs per the

Total Location
Control/Aux/Reactor Buildings (CAR)
Turbine Building (TB)
Plantwide and all Other Locations (PW)

Average Location
Control/Aux/Reactor Buildings (CAR)
Turbine Building (TB)
Plantwide and all Other Locations (PW)

TRANSIENT FIRE INFLUENCE FACTORS

| HUMAN ACTIVITY INFLUENCE FACTORS | | | | CABLE INFLUENCE FACTORS | | WEIGHTING FACTORS | | | |
|----------------------------------|----------------------------------|--------------------------------|------------------------------|------------------------------------|----------------------------------|--------------------------------------|------------------------------------|--|--|
| PAU HOTWORK INFLUENCE FACTOR | PAU MECH / ELEC INFLUENCE FACTOR | PAU OCCUPANCY INFLUENCE FACTOR | PAU STORAGE INFLUENCE FACTOR | PAU CABLE LOCATIONWEIGHTING FACTOR | PAU CABLE TOTAL WEIGHTING FACTOR | HOTWORK AND GENERALTRANSIENT (BIN 3) | GENERAL TRANSIENT (BINS 7, 25, 37) | TRANSIENT CAUSED BYCUTTING AND WELDING(BINS 6, 24, 36) | CABLE FIRES CAUSED BY CUTTING ANDWELDING(BINS 5, 11, 31) |
| (N _H) | (N _M) | (N _O) | (N _S) | (W _{C,J,L}) | (W _{C,J}) | (W _{HW/GT}) | (W _{GT}) | (W _{WC}) | (W _{CF}) |
| 3 | 3 | 3 | 10 | 0.00E+00 | 0.00E+00 | 1.12E-02 | 1.13E-02 | 1.09E-02 | 0.00E+00 |
| 3 | 3 | 3 | 10 | 1.38E-02 | 8.43E-03 | 1.12E-02 | 1.13E-02 | 1.09E-02 | 7.80E-03 |
| 3 | 3 | 3 | 10 | 1.55E-03 | 9.46E-04 | 1.12E-02 | 1.13E-02 | 1.09E-02 | 8.76E-04 |
| 3 | 3 | 3 | 10 | 1.37E-02 | 8.36E-03 | 1.12E-02 | 1.13E-02 | 1.09E-02 | 7.74E-03 |
| 3 | 3 | 3 | 10 | 2.46E-03 | 1.50E-03 | 1.12E-02 | 1.13E-02 | 1.09E-02 | 1.39E-03 |
| 50 | 50 | 3 | 10 | 6.88E-03 | 4.20E-03 | 6.67E-02 | 4.44E-02 | 1.82E-01 | 6.48E-02 |
| 50 | 50 | 3 | 10 | 2.67E-03 | 1.63E-03 | 6.67E-02 | 4.44E-02 | 1.82E-01 | 2.52E-02 |
| 3 | 3 | 10 | 10 | 7.68E-04 | 4.69E-04 | 1.53E-02 | 1.62E-02 | 1.09E-02 | 4.34E-04 |
| 3 | 3 | 3 | 3 | 2.18E-03 | 1.33E-03 | 7.08E-03 | 6.34E-03 | 1.09E-02 | 1.23E-03 |
| 3 | 50 | 10 | 10 | 1.06E-01 | 6.45E-02 | 4.31E-02 | 4.93E-02 | 1.09E-02 | 5.97E-02 |
| 3 | 50 | 10 | 10 | 6.82E-02 | 4.16E-02 | 4.31E-02 | 4.93E-02 | 1.09E-02 | 3.85E-02 |
| 3 | 3 | 3 | 10 | 0.00E+00 | 0.00E+00 | 1.12E-02 | 1.13E-02 | 1.09E-02 | 0.00E+00 |
| 3 | 10 | 3 | 10 | 1.48E-03 | 9.00E-04 | 1.53E-02 | 1.62E-02 | 1.09E-02 | 8.33E-04 |
| 3 | 3 | 10 | 3 | 1.18E-02 | 7.19E-03 | 1.12E-02 | 1.13E-02 | 1.09E-02 | 6.66E-03 |
| 3 | 3 | 10 | 10 | 8.61E-04 | 5.25E-04 | 1.53E-02 | 1.62E-02 | 1.09E-02 | 4.86E-04 |
| 3 | 3 | 3 | 10 | 0.00E+00 | 0.00E+00 | 1.12E-02 | 1.13E-02 | 1.09E-02 | 0.00E+00 |
| 0 | 0 | 0 | 3 | 2.45E-02 | 1.49E-02 | 1.77E-03 | 2.11E-03 | 0.00E+00 | 0.00E+00 |
| 3 | 3 | 10 | 3 | 0.00E+00 | 0.00E+00 | 1.12E-02 | 1.13E-02 | 1.09E-02 | 0.00E+00 |
| 3 | 3 | 10 | 3 | 0.00E+00 | 0.00E+00 | 1.12E-02 | 1.13E-02 | 1.09E-02 | 0.00E+00 |
| 0 | 0 | 0 | 3 | 0.00E+00 | 0.00E+00 | 1.77E-03 | 2.11E-03 | 0.00E+00 | 0.00E+00 |
| 0 | 0 | 0 | 3 | 0.00E+00 | 0.00E+00 | 1.77E-03 | 2.11E-03 | 0.00E+00 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 5.70E-02 | 3.48E-02 | 1.95E-02 | 2.11E-02 | 1.09E-02 | 3.22E-02 |
| 3 | 3 | 10 | 10 | 6.15E-02 | 3.75E-02 | 1.53E-02 | 1.62E-02 | 1.09E-02 | 3.47E-02 |
| 3 | 10 | 10 | 10 | 1.52E-02 | 9.24E-03 | 1.95E-02 | 2.11E-02 | 1.09E-02 | 8.55E-03 |
| 3 | 10 | 3 | 10 | 4.36E-02 | 2.66E-02 | 1.53E-02 | 1.62E-02 | 1.09E-02 | 2.46E-02 |
| 3 | 3 | 3 | 3 | 3.07E-04 | 1.87E-04 | 7.08E-03 | 6.34E-03 | 1.09E-02 | 1.73E-04 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 7.08E-03 | 6.34E-03 | 1.09E-02 | 0.00E+00 |
| 50 | 50 | 10 | 10 | 5.46E-02 | 3.33E-02 | 7.08E-02 | 4.93E-02 | 1.82E-01 | 5.14E-01 |
| 3 | 3 | 10 | 10 | 0.00E+00 | 0.00E+00 | 1.53E-02 | 1.62E-02 | 1.09E-02 | 0.00E+00 |
| 3 | 10 | 3 | 10 | 2.46E-04 | 1.50E-04 | 1.53E-02 | 1.62E-02 | 1.09E-02 | 1.39E-04 |

| | | | | | | | | | |
|----|----|----|----|----------|----------|----------|----------|----------|----------|
| 3 | 3 | 3 | 3 | 5.23E-03 | 3.19E-03 | 7.08E-03 | 6.34E-03 | 1.09E-02 | 2.95E-03 |
| 3 | 10 | 3 | 10 | 3.38E-04 | 2.06E-04 | 1.53E-02 | 1.62E-02 | 1.09E-02 | 1.91E-04 |
| 3 | 10 | 10 | 10 | 6.15E-05 | 3.75E-05 | 1.95E-02 | 2.11E-02 | 1.09E-02 | 3.47E-05 |
| 3 | 3 | 3 | 10 | 6.05E-03 | 3.69E-03 | 1.12E-02 | 1.13E-02 | 1.09E-02 | 3.42E-03 |
| 3 | 3 | 10 | 10 | 2.77E-04 | 1.69E-04 | 1.53E-02 | 1.62E-02 | 1.09E-02 | 1.56E-04 |
| 3 | 3 | 3 | 10 | 2.34E-03 | 1.42E-03 | 1.12E-02 | 1.13E-02 | 1.09E-02 | 1.31E-03 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 7.08E-03 | 6.34E-03 | 1.09E-02 | 0.00E+00 |
| 3 | 3 | 3 | 10 | 9.22E-05 | 5.62E-05 | 1.12E-02 | 1.13E-02 | 1.09E-02 | 5.20E-05 |
| 3 | 50 | 10 | 10 | 2.72E-03 | 1.66E-03 | 4.31E-02 | 4.93E-02 | 1.09E-02 | 1.54E-03 |
| 3 | 50 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.31E-02 | 4.93E-02 | 1.09E-02 | 0.00E+00 |
| 3 | 50 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.31E-02 | 4.93E-02 | 1.09E-02 | 0.00E+00 |
| 3 | 50 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.31E-02 | 4.93E-02 | 1.09E-02 | 0.00E+00 |
| 3 | 50 | 10 | 10 | 2.51E-02 | 1.53E-02 | 4.31E-02 | 4.93E-02 | 1.09E-02 | 1.42E-02 |
| 3 | 50 | 10 | 10 | 2.96E-02 | 1.80E-02 | 4.31E-02 | 4.93E-02 | 1.09E-02 | 1.67E-02 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 7.08E-03 | 6.34E-03 | 1.09E-02 | 0.00E+00 |
| 1 | 1 | 1 | 1 | 3.15E-01 | 1.92E-01 | 2.36E-03 | 2.11E-03 | 3.65E-03 | 5.93E-02 |
| 3 | 50 | 10 | 10 | 1.24E-01 | 7.59E-02 | 4.31E-02 | 4.93E-02 | 1.09E-02 | 7.03E-02 |
| 3 | 10 | 3 | 10 | 9.22E-05 | 5.62E-05 | 1.53E-02 | 1.62E-02 | 1.09E-02 | 5.20E-05 |
| | | | | | | | | | |
| 10 | 10 | 10 | 10 | 1.29E-01 | 3.44E-02 | 7.60E-02 | 6.64E-02 | 1.35E-01 | 3.29E-01 |
| 3 | 10 | 10 | 10 | 1.03E-01 | 2.76E-02 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 7.93E-02 |
| 3 | 3 | 10 | 10 | 4.63E-02 | 1.24E-02 | 4.94E-02 | 5.09E-02 | 4.05E-02 | 3.56E-02 |
| 0 | 0 | 0 | 3 | 0.00E+00 | 0.00E+00 | 5.70E-03 | 6.64E-03 | 0.00E+00 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 8.66E-02 | 2.31E-02 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 6.64E-02 |
| 3 | 3 | 3 | 3 | 1.79E-01 | 4.78E-02 | 2.28E-02 | 1.99E-02 | 4.05E-02 | 1.37E-01 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 2.28E-02 | 1.99E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 3 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.94E-02 | 5.09E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 3 | 3 | 10 | 0.00E+00 | 0.00E+00 | 3.61E-02 | 3.54E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 2.51E-01 | 6.69E-02 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 1.92E-01 |
| 3 | 10 | 10 | 10 | 6.73E-02 | 1.79E-02 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 5.14E-02 |
| 3 | 3 | 10 | 10 | 3.15E-02 | 8.40E-03 | 4.94E-02 | 5.09E-02 | 4.05E-02 | 2.41E-02 |
| 3 | 10 | 10 | 10 | 8.78E-02 | 2.34E-02 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 6.72E-02 |
| 10 | 10 | 10 | 10 | 1.62E-03 | 4.31E-04 | 7.60E-02 | 6.64E-02 | 1.35E-01 | 4.13E-03 |
| 3 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 2.28E-02 | 1.99E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 6.27E-02 | 6.64E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 2.28E-02 | 1.99E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 3 | 3 | 3 | 0.00E+00 | 0.00E+00 | 2.28E-02 | 1.99E-02 | 4.05E-02 | 0.00E+00 |
| 3 | 3 | 10 | 10 | 1.70E-02 | 4.53E-03 | 4.94E-02 | 5.09E-02 | 4.05E-02 | 1.30E-02 |
| 0 | 0 | 0 | 3 | 0.00E+00 | 0.00E+00 | 5.70E-03 | 6.64E-03 | 0.00E+00 | 0.00E+00 |
| 3 | 3 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.94E-02 | 5.09E-02 | 4.05E-02 | 0.00E+00 |

| | | | | | | | | | |
|---|---|---|----|----------|----------|----------|----------|----------|----------|
| 3 | 3 | 3 | 10 | 6.44E-02 | 7.95E-03 | 2.23E-02 | 2.31E-02 | 1.91E-02 | 3.47E-02 |
| 3 | 3 | 3 | 10 | 4.19E-02 | 5.17E-03 | 2.23E-02 | 2.31E-02 | 1.91E-02 | 2.26E-02 |

| | | | | | | | | | |
|----|----|----|----|----------|----------|----------|----------|----------|----------|
| 3 | 3 | 10 | 10 | 7.77E-02 | 9.59E-03 | 3.06E-02 | 3.31E-02 | 1.91E-02 | 4.19E-02 |
| 3 | 10 | 10 | 10 | 1.24E-01 | 1.53E-02 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 6.69E-02 |
| 3 | 3 | 10 | 10 | 0.00E+00 | 0.00E+00 | 3.06E-02 | 3.31E-02 | 1.91E-02 | 0.00E+00 |
| 3 | 3 | 3 | 3 | 1.47E-02 | 1.81E-03 | 1.41E-02 | 1.30E-02 | 1.91E-02 | 7.91E-03 |
| 3 | 3 | 3 | 10 | 8.01E-02 | 9.88E-03 | 2.23E-02 | 2.31E-02 | 1.91E-02 | 4.32E-02 |
| 3 | 3 | 10 | 3 | 5.14E-02 | 6.33E-03 | 2.23E-02 | 2.31E-02 | 1.91E-02 | 2.77E-02 |
| 3 | 10 | 10 | 10 | 2.58E-02 | 3.19E-03 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 1.39E-02 |
| 3 | 10 | 10 | 10 | 2.74E-02 | 3.38E-03 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 1.48E-02 |
| 3 | 10 | 10 | 10 | 8.42E-02 | 1.04E-02 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 4.54E-02 |
| 3 | 50 | 10 | 10 | 0.00E+00 | 0.00E+00 | 8.58E-02 | 1.01E-01 | 1.91E-02 | 0.00E+00 |
| 3 | 3 | 10 | 10 | 0.00E+00 | 0.00E+00 | 3.06E-02 | 3.31E-02 | 1.91E-02 | 0.00E+00 |
| 3 | 3 | 3 | 3 | 2.45E-02 | 3.03E-03 | 1.41E-02 | 1.30E-02 | 1.91E-02 | 1.32E-02 |
| 3 | 10 | 3 | 0 | 0.00E+00 | 0.00E+00 | 1.88E-02 | 1.87E-02 | 1.91E-02 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 0.00E+00 |
| 3 | 10 | 10 | 10 | 8.66E-03 | 1.07E-03 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 4.68E-03 |
| 3 | 10 | 10 | 10 | 8.66E-03 | 1.07E-03 | 3.88E-02 | 4.32E-02 | 1.91E-02 | 4.68E-03 |
| 10 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 4.32E-02 | 6.37E-02 | 0.00E+00 |
| 10 | 10 | 10 | 10 | 1.83E-01 | 2.26E-02 | 4.70E-02 | 4.32E-02 | 6.37E-02 | 3.29E-01 |
| 10 | 10 | 10 | 10 | 1.83E-01 | 2.26E-02 | 4.70E-02 | 4.32E-02 | 6.37E-02 | 3.29E-01 |
| 50 | 50 | 10 | 10 | 0.00E+00 | 0.00E+00 | 1.41E-01 | 1.01E-01 | 3.18E-01 | 0.00E+00 |
| 10 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 4.32E-02 | 6.37E-02 | 0.00E+00 |
| 10 | 10 | 10 | 10 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 4.32E-02 | 6.37E-02 | 0.00E+00 |

≥ ASME/ANS RA-Sa-2009 standard.

| | | | | | | | | | |
|-----|------|-----|-----|----------|----------|----------|----------|----------|----------|
| 505 | 1143 | 646 | 777 | 3.00E+00 | 1.00E+00 | 3.00E+00 | 3.00E+00 | 3.00E+00 | 3.00E+00 |
| 274 | 753 | 280 | 387 | 1.00E+00 | 6.10E-01 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 |
| 74 | 123 | 158 | 171 | 1.00E+00 | 2.67E-01 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 |
| 157 | 267 | 208 | 219 | 9.99E-01 | 1.23E-01 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 |

| | | | |
|-------|--------|-------|-------|
| 5.316 | 12.032 | 6.800 | 8.179 |
| 5.708 | 15.688 | 5.833 | 8.063 |
| 3.364 | 5.591 | 7.182 | 7.773 |
| 6.280 | 10.680 | 8.320 | 8.760 |

| CABLE SELF IGN. AND JUNCTION BOXES(BINS 12 AND 18) |
|--|
| (W _{C,3}) |
| 0.00E+00 |
| 8.43E-03 |
| 9.46E-04 |
| 8.36E-03 |
| 1.50E-03 |
| 4.20E-03 |
| 1.63E-03 |
| 4.69E-04 |
| 1.33E-03 |
| 6.45E-02 |
| 4.16E-02 |
| 0.00E+00 |
| 9.00E-04 |
| 7.19E-03 |
| 5.25E-04 |
| 0.00E+00 |
| 1.49E-02 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 3.48E-02 |
| 3.75E-02 |
| 9.24E-03 |
| 2.66E-02 |
| 1.87E-04 |
| 0.00E+00 |
| 3.33E-02 |
| 0.00E+00 |
| 1.50E-04 |

(NH) x
(W_{C,3})

| |
|----------|
| 0.00E+00 |
| 2.53E-02 |
| 2.84E-03 |
| 2.51E-02 |
| 4.50E-03 |
| 2.10E-01 |
| 8.15E-02 |
| 1.41E-03 |
| 3.99E-03 |
| 1.94E-01 |
| 1.25E-01 |
| 0.00E+00 |
| 2.70E-03 |
| 2.16E-02 |
| 1.58E-03 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 1.04E-01 |
| 1.13E-01 |
| 2.77E-02 |
| 7.98E-02 |
| 5.61E-04 |
| 0.00E+00 |
| 1.67E+00 |
| 0.00E+00 |
| 4.50E-04 |

| | |
|----------|----------|
| 3.19E-03 | 9.57E-03 |
| 2.06E-04 | 6.18E-04 |
| 3.75E-05 | 1.13E-04 |
| 3.69E-03 | 1.11E-02 |
| 1.69E-04 | 5.07E-04 |
| 1.42E-03 | 4.26E-03 |
| 0.00E+00 | 0.00E+00 |
| 5.62E-05 | 1.69E-04 |
| 1.66E-03 | 4.98E-03 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 1.53E-02 | 4.59E-02 |
| 1.80E-02 | 5.40E-02 |
| 0.00E+00 | 0.00E+00 |
| 1.92E-01 | 1.92E-01 |
| 7.59E-02 | 2.28E-01 |
| 5.62E-05 | 1.69E-04 |
| | |
| 3.44E-02 | 3.44E-01 |
| 2.76E-02 | 8.28E-02 |
| 1.24E-02 | 3.72E-02 |
| 0.00E+00 | 0.00E+00 |
| 2.31E-02 | 6.93E-02 |
| 4.78E-02 | 1.43E-01 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 6.69E-02 | 2.01E-01 |
| 1.79E-02 | 5.37E-02 |
| 8.40E-03 | 2.52E-02 |
| 2.34E-02 | 7.02E-02 |
| 4.31E-04 | 4.31E-03 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| 4.53E-03 | 1.36E-02 |
| 0.00E+00 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 |
| | |
| 7.95E-03 | 2.39E-02 |
| 5.17E-03 | 1.55E-02 |

| |
|----------|
| 9.59E-03 |
| 1.53E-02 |
| 0.00E+00 |
| 1.81E-03 |
| 9.88E-03 |
| 6.33E-03 |
| 3.19E-03 |
| 3.38E-03 |
| 1.04E-02 |
| 0.00E+00 |
| 0.00E+00 |
| 3.03E-03 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 1.07E-03 |
| 1.07E-03 |
| 0.00E+00 |
| 2.26E-02 |
| 2.26E-02 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |

| |
|----------|
| 2.88E-02 |
| 4.59E-02 |
| 0.00E+00 |
| 5.43E-03 |
| 2.96E-02 |
| 1.90E-02 |
| 9.57E-03 |
| 1.01E-02 |
| 3.12E-02 |
| 0.00E+00 |
| 0.00E+00 |
| 9.09E-03 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |
| 3.21E-03 |
| 3.21E-03 |
| 0.00E+00 |
| 2.26E-01 |
| 2.26E-01 |
| 0.00E+00 |
| 0.00E+00 |
| 0.00E+00 |

1.00E+00
6.10E-01
2.67E-01
1.23E-01

4.97E+00
3.24E+00
1.04E+00
6.87E-01



This sheet is 3, where 3 is #2 + all mech/elect influence factors for HPCI, RCIC, RBCC
#2 is #1 + hot work influence factors for HPCI, RCIC, RBCCW set to 50.
#1 is all hot work influence factors, except CSR, upped by one category

| Ref. No. | PAU | PAU Description | Location |
|----------|------|--|----------|
| 1 | 01AN | Reactor Building - Torus North | CAR |
| 2 | 01AS | Reactor Building - Torus South (Bays 5 - 11) | CAR |
| 3 | 01B | Reactor Building - Northwest Corner Room | CAR |
| 4 | 01C | Reactor Building - Northeast Corner Room | CAR |
| 5 | 01D | Reactor Building - Southeast Corner Room | CAR |
| 6 | 01E | Reactor Building - HPCI Room | CAR |
| 7 | 01F | Reactor Building - RCIC Room | CAR |
| 8 | 01G | Reactor Building - Southwest Corner Room | CAR |
| 9 | 01H | Reactor Building - Radwaste 1T-70 Tank Room | CAR |
| 10 | 02A | Reactor Building - North CRD Module Area | CAR |
| 11 | 02B | Reactor Building - South CRD Module Area | CAR |
| 12 | 02C | Reactor Building - CRD Repair Room | CAR |
| 13 | 02D | Reactor Building - RHR Valve Room | CAR |
| 14 | 02E | Reactor Building - Offgas Recombiner Room | CAR |
| 15 | 02F | Reactor Building - Railroad Airlock | CAR |
| 16 | 02G | Reactor Building - Steam Tunnel | CAR |
| 17 | 02H | Reactor Building - North Chase | CAR |
| 18 | 02J | Reactor Building - North Stair 8 | CAR |
| 19 | 02K | Reactor Building - South Stair 6 and Elevator | CAR |
| 20 | 02L | Reactor Building - RHR Valve Room Pipe Chase | CAR |
| 21 | 02M | Reactor Building - Exhaust Fan Room Chase | CAR |
| 22 | 03A | Reactor Building - North Laydown Area 786' | CAR |
| 23 | 03B | Reactor Building - South Hatch Area 786' | CAR |
| 24 | 03C | Reactor Building - Standby Gas Treatment System Room | CAR |
| 25 | 03D | Reactor Building - MG Sets Room | CAR |
| 26 | 03E | Reactor Building - Spent Resin Tank Room | CAR |
| 27 | 03F | Reactor Building - Cleanup Phase Separator Room | CAR |
| 28 | 04A | Reactor Building - RBCCW Heat Exchanger/Chillers | CAR |
| 29 | 04B | Reactor Building - South Hatch Area 812' | CAR |
| 30 | 04C | Reactor Building - Exhaust Fan Room | CAR |
| 31 | 04D | Reactor Building - Heating Hot Water Pumps Room | CAR |
| 32 | 04E | Reactor Building - Air Supply Fan Room | CAR |
| 33 | 04F | Reactor Building - Jungle Room | CAR |
| 34 | 04G | Reactor Building - Fuel Pool Pump Area | CAR |

| | | | |
|----|-----|--|-----|
| 35 | 05A | Reactor Building - Laydown and Hatch Area 833' | CAR |
| 36 | 05B | Reactor Building - Phase Separator/Skimmer Surge Tank Rooms | CAR |
| 37 | 05C | Reactor Building - Turbine Building Exhaust Fan Penthouse | CAR |
| 38 | 06A | Reactor Building - Refuel Floor | CAR |
| 61 | 10A | Control Building - Battery Room Corridor | CAR |
| 62 | 10B | Control Building - 1D2, West Battery Room | CAR |
| 63 | 10C | Control Building - 1D4, Middle Battery Room | CAR |
| 64 | 10D | Control Building - 1D1, East Battery Room | CAR |
| 65 | 10E | Control Building - 1A4, West Essential Switchgear Room (Div. II) | CAR |
| 66 | 10F | Control Building - 1A3, East Essential Switchgear Room (Div. I) | CAR |
| 67 | 10G | Control Building - Electrical Chase | CAR |
| 68 | 11A | Control Building - Cable Spreading Room | CAR |
| 69 | 12A | Control Building - Control Room Complex | CAR |
| 70 | 12B | Control Building - Control Building HVAC Room & HVAC Chase | CAR |
| 39 | 07A | Turbine Building - Reactor Feed Pump Area | TB |
| 40 | 07B | Turbine Building - 1A2, Lower Switchgear Room | TB |
| 41 | 07C | Turbine Building - Turbine Lube Oil Tank Area | TB |
| 42 | 07D | Turbine Building - Turbine Lube Oil Storage Tank Vault | TB |
| 43 | 07E | Turbine Building - Condensate Pump Area | TB |
| 44 | 07F | Turbine Building - Condenser/Heater Bay | TB |
| 45 | 07G | Turbine Building - Steam Jet Air Ejector Room | TB |
| 46 | 07H | Turbine Building - North Stair 12 | TB |
| 47 | 07J | Turbine Building - South Stair 14 | TB |
| 48 | 08A | Turbine Building - Ground Floor North | TB |
| 49 | 08B | Turbine Building - 1A1, Upper Switchgear Room | TB |
| 50 | 08C | Turbine Building - East Tube Pulling Area | TB |
| 51 | 08D | Turbine Building - Ground Floor South | TB |
| 52 | 08E | Turbine Building - Aux Boiler Room | TB |
| 53 | 08F | Turbine Building - 1G-21, 'B' EDG Room (West) | TB |
| 54 | 08G | Turbine Building - 'B' EDG Day Tank Room | TB |
| 55 | 08H | Turbine Building - 1G-31, 'A' EDG Room (East) | TB |
| 56 | 08J | Turbine Building - 'A' EDG Day Tank Room | TB |
| 57 | 08K | Turbine Building - Demineralizer Pump and Tank Cells | TB |
| 58 | 09A | Turbine Building - Op Deck North | TB |
| 59 | 09B | Turbine Building - Op Deck Middle | TB |
| 60 | 09C | Turbine Building - Op Deck South | TB |
| 71 | 13A | Radwaste Building - Radwaste Drumming and Shipping Area | PW |
| 72 | 13B | Radwaste Building - Radwaste Treatment and Access Area | PW |
| 73 | 13C | Radwaste Building - Radwaste Precoat and Access Area | PW |
| 74 | 13D | Radwaste Building - Radwaste Control Room | PW |
| 75 | 13E | Radwaste Building -Stair 18 | PW |
| 76 | 15A | Offgas Retention Building - Offgas Charcoal Absorber Vault | PW |
| 77 | 15B | Offgas Retention Building - Offgas Control and Glycol Area | PW |
| 78 | 15C | Offgas Retention Building - Offgas Prefilter and Condenser Area | PW |
| 79 | 16A | Pumphouse - 'B' RHRSW and ESW Pump Room | PW |

| | | | |
|----|-------------|--|----|
| 80 | 16B | Pumphouse - 'A' RHRSW and ESW Pump Room | PW |
| 81 | 16C | Pumphouse - Main Circ Pump Room and Circ Pit | PW |
| 82 | 16D | Pumphouse -Diesel Fire Pump Room | PW |
| 83 | 16E | Pumphouse - Fire Pump Day Tank Room | PW |
| 84 | 16F | Pumphouse -Basement | PW |
| 85 | 16G | Pumphouse - Stilling Basin and Wet Pits | PW |
| 86 | 17A | Intake Structure - Division I Pump Room (North) | PW |
| 87 | 17B | Intake Structure - Division II Pump Room (South) | PW |
| 88 | 17C | Intake Structure - Division I Screen Area (North) | PW |
| 89 | 17D | Intake Structure - Division II Screen Area (South) | PW |
| 90 | 22A | Service Air Compressor Building | PW |
| 91 | CT1 | A Cooling Tower (West) | PW |
| 92 | CT2 | B Cooling Tower (East) | PW |
| 93 | OAG | Outside Above Ground | PW |
| 94 | OGS | Offgas Stack | PW |
| 95 | OUG | Outside Under Ground | PW |
| | YARD | Switchyard | |

γ W set to 50.

[illegible]

[illegible]

36

37

| | HOTWORK AND GENERAL TRANSIENT (BIN 3) | GENERAL TRANSIENT (BINS 7, 25, 37) | TRANSIENT CAUSED BY CUTTING AND WELDING (BINS 6, 24, 36) | CABLE FIRES CAUSED BY CUTTING AND WELDING (BINS 5, 11, 31) | CABLE SELF IGN. AND JUNCTION BOXES (BINS 12 AND 18) | |
|---|--|---------------------------------------|--|--|---|----------|
| Calculated FIF of Trans, HW, SI Cable Fire, Junct Boxes | | | | | | |
| | (WHW/GT) | (WGT) | (WWC) | (WCF) | (WC,J) | Total |
| PWR Only | | 4.02E-05 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 1.09E-04 |
| PWR Only | | 4.02E-05 | 6.83E-05 | 2.10E-06 | 4.75E-05 | 1.58E-04 |
| PWR Only | | 4.02E-05 | 6.83E-05 | 2.36E-07 | 5.34E-06 | 1.14E-04 |
| PWR Only | | 4.02E-05 | 6.83E-05 | 2.08E-06 | 4.72E-05 | 1.58E-04 |
| PWR Only | | 4.02E-05 | 6.83E-05 | 3.74E-07 | 8.46E-06 | 1.17E-04 |
| PWR Only | | 1.58E-04 | 1.14E-03 | 1.74E-05 | 2.37E-05 | 1.34E-03 |
| PWR Only | | 1.58E-04 | 1.14E-03 | 6.77E-06 | 9.19E-06 | 1.31E-03 |
| PWR Only | | 5.78E-05 | 6.83E-05 | 1.17E-07 | 2.65E-06 | 1.29E-04 |
| PWR Only | | 2.26E-05 | 6.83E-05 | 3.31E-07 | 7.50E-06 | 9.88E-05 |
| PWR Only | | 1.76E-04 | 6.83E-05 | 1.61E-05 | 3.64E-04 | 6.24E-04 |
| PWR Only | | 1.76E-04 | 6.83E-05 | 1.04E-05 | 2.35E-04 | 4.89E-04 |
| PWR Only | | 4.02E-05 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 1.09E-04 |
| PWR Only | | 5.78E-05 | 6.83E-05 | 2.24E-07 | 5.08E-06 | 1.31E-04 |
| PWR Only | | 4.02E-05 | 6.83E-05 | 1.79E-06 | 4.06E-05 | 1.51E-04 |
| PWR Only | | 5.78E-05 | 6.83E-05 | 1.31E-07 | 2.96E-06 | 1.29E-04 |
| PWR Only | | 4.02E-05 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 1.09E-04 |
| PWR Only | | 7.54E-06 | 0.00E+00 | 0.00E+00 | 8.40E-05 | 9.16E-05 |
| PWR Only | | 4.02E-05 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 1.09E-04 |
| PWR Only | | 4.02E-05 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 1.09E-04 |
| PWR Only | | 7.54E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.54E-06 |
| PWR Only | | 7.54E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.54E-06 |
| PWR Only | | 7.54E-05 | 6.83E-05 | 8.67E-06 | 1.96E-04 | 3.49E-04 |
| PWR Only | | 5.78E-05 | 6.83E-05 | 9.34E-06 | 2.12E-04 | 3.47E-04 |
| PWR Only | | 7.54E-05 | 6.83E-05 | 2.30E-06 | 5.21E-05 | 1.98E-04 |
| PWR Only | | 5.78E-05 | 6.83E-05 | 6.62E-06 | 1.50E-04 | 2.83E-04 |
| PWR Only | | 2.26E-05 | 6.83E-05 | 4.66E-08 | 1.05E-06 | 9.20E-05 |
| PWR Only | | 2.26E-05 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 9.09E-05 |
| PWR Only | | 1.76E-04 | 1.14E-03 | 1.38E-04 | 1.88E-04 | 1.64E-03 |
| PWR Only | | 5.78E-05 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 1.26E-04 |
| PWR Only | | 5.78E-05 | 6.83E-05 | 3.74E-08 | 8.46E-07 | 1.27E-04 |
| PWR Only | | 2.26E-05 | 6.83E-05 | 7.94E-07 | 1.80E-05 | 1.10E-04 |
| PWR Only | | 5.78E-05 | 6.83E-05 | 5.13E-08 | 1.16E-06 | 1.27E-04 |
| PWR Only | | 7.54E-05 | 6.83E-05 | 9.34E-09 | 2.12E-07 | 1.44E-04 |
| PWR Only | | 4.02E-05 | 6.83E-05 | 9.19E-07 | 2.08E-05 | 1.30E-04 |

| | | | | | |
|----------|----------|----------|----------|----------|----------|
| PWR Only | 5.78E-05 | 6.83E-05 | 4.21E-08 | 9.53E-07 | 1.27E-04 |
| PWR Only | 4.02E-05 | 6.83E-05 | 3.54E-07 | 8.01E-06 | 1.17E-04 |
| PWR Only | 2.26E-05 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 9.09E-05 |
| PWR Only | 4.02E-05 | 6.83E-05 | 1.40E-08 | 3.17E-07 | 1.09E-04 |
| PWR Only | 1.76E-04 | 6.83E-05 | 4.13E-07 | 9.36E-06 | 2.54E-04 |
| PWR Only | 1.76E-04 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 2.44E-04 |
| PWR Only | 1.76E-04 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 2.44E-04 |
| PWR Only | 1.76E-04 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 2.44E-04 |
| PWR Only | 1.76E-04 | 6.83E-05 | 3.81E-06 | 8.63E-05 | 3.34E-04 |
| PWR Only | 1.76E-04 | 6.83E-05 | 4.48E-06 | 1.02E-04 | 3.50E-04 |
| PWR Only | 2.26E-05 | 6.83E-05 | 0.00E+00 | 0.00E+00 | 9.09E-05 |
| PWR Only | 7.54E-06 | 2.28E-05 | 1.59E-05 | 1.08E-03 | 1.13E-03 |
| PWR Only | 1.76E-04 | 6.83E-05 | 1.89E-05 | 4.28E-04 | 6.91E-04 |
| PWR Only | 5.78E-05 | 6.83E-05 | 1.40E-08 | 3.17E-07 | 1.26E-04 |

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|----------|----------|----------|----------|----------|----------|----------|
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 9.53E-04 | 1.48E-04 | 1.94E-04 | 1.70E-03 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 3.57E-05 | 1.56E-04 | 8.79E-04 |
| 7.05E-03 | 6.05E-03 | 3.08E-04 | 2.86E-04 | 1.60E-05 | 6.99E-05 | 6.80E-04 |
| 7.05E-03 | 6.05E-03 | 4.02E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.02E-05 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 2.99E-05 | 1.30E-04 | 8.48E-04 |
| 7.05E-03 | 6.05E-03 | 1.20E-04 | 2.86E-04 | 6.18E-05 | 2.70E-04 | 7.38E-04 |
| 7.05E-03 | 6.05E-03 | 1.20E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 4.06E-04 |
| 7.05E-03 | 6.05E-03 | 3.08E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 5.94E-04 |
| 7.05E-03 | 6.05E-03 | 2.14E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 5.00E-04 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 8.65E-05 | 3.77E-04 | 1.15E-03 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 2.31E-05 | 1.01E-04 | 8.11E-04 |
| 7.05E-03 | 6.05E-03 | 3.08E-04 | 2.86E-04 | 1.09E-05 | 4.74E-05 | 6.52E-04 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 3.02E-05 | 1.32E-04 | 8.50E-04 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 9.53E-04 | 1.86E-06 | 2.43E-06 | 1.36E-03 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 6.87E-04 |
| 7.05E-03 | 6.05E-03 | 1.20E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 4.06E-04 |
| 7.05E-03 | 6.05E-03 | 4.02E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 6.87E-04 |
| 7.05E-03 | 6.05E-03 | 1.20E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 4.06E-04 |
| 7.05E-03 | 6.05E-03 | 1.20E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 4.06E-04 |
| 7.05E-03 | 6.05E-03 | 3.08E-04 | 2.86E-04 | 5.86E-06 | 2.55E-05 | 6.25E-04 |
| 7.05E-03 | 6.05E-03 | 4.02E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.02E-05 |
| 7.05E-03 | 6.05E-03 | 3.08E-04 | 2.86E-04 | 0.00E+00 | 0.00E+00 | 5.94E-04 |

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|----------|----------|----------|----------|----------|
| 1.58E-04 | 7.38E-05 | 1.64E-05 | 4.48E-05 | 2.93E-04 |
| 1.58E-04 | 7.38E-05 | 1.06E-05 | 2.92E-05 | 2.71E-04 |
| 2.27E-04 | 7.38E-05 | 1.97E-05 | 5.41E-05 | 3.74E-04 |
| 2.96E-04 | 7.38E-05 | 3.15E-05 | 8.63E-05 | 4.87E-04 |
| 2.27E-04 | 7.38E-05 | 0.00E+00 | 0.00E+00 | 3.00E-04 |
| 8.87E-05 | 7.38E-05 | 3.73E-06 | 1.02E-05 | 1.76E-04 |
| 1.58E-04 | 7.38E-05 | 2.03E-05 | 5.57E-05 | 3.08E-04 |
| 1.58E-04 | 7.38E-05 | 1.30E-05 | 3.57E-05 | 2.80E-04 |
| 2.96E-04 | 7.38E-05 | 6.57E-06 | 1.80E-05 | 3.94E-04 |

| | | | | |
|----------|----------|----------|----------|----------|
| 2.96E-04 | 7.38E-05 | 6.96E-06 | 1.91E-05 | 3.95E-04 |
| 2.96E-04 | 7.38E-05 | 2.14E-05 | 5.87E-05 | 4.49E-04 |
| 6.90E-04 | 7.38E-05 | 0.00E+00 | 0.00E+00 | 7.64E-04 |
| 2.27E-04 | 7.38E-05 | 0.00E+00 | 0.00E+00 | 3.00E-04 |
| 8.87E-05 | 7.38E-05 | 6.24E-06 | 1.71E-05 | 1.86E-04 |
| 1.28E-04 | 7.38E-05 | 0.00E+00 | 0.00E+00 | 2.02E-04 |
| 2.96E-04 | 7.38E-05 | 0.00E+00 | 0.00E+00 | 3.69E-04 |
| 2.96E-04 | 7.38E-05 | 0.00E+00 | 0.00E+00 | 3.69E-04 |
| 2.96E-04 | 7.38E-05 | 2.20E-06 | 6.03E-06 | 3.78E-04 |
| 2.96E-04 | 7.38E-05 | 2.20E-06 | 6.03E-06 | 3.78E-04 |
| 2.96E-04 | 2.46E-04 | 0.00E+00 | 0.00E+00 | 5.42E-04 |
| 2.96E-04 | 2.46E-04 | 1.55E-04 | 1.27E-04 | 8.24E-04 |
| 2.96E-04 | 2.46E-04 | 1.55E-04 | 1.27E-04 | 8.24E-04 |
| 6.90E-04 | 1.23E-03 | 0.00E+00 | 0.00E+00 | 1.92E-03 |
| 2.96E-04 | 2.46E-04 | 0.00E+00 | 0.00E+00 | 5.42E-04 |
| 2.96E-04 | 2.46E-04 | 0.00E+00 | 0.00E+00 | 5.42E-04 |

Note: Trans + hot work (Trans + HW) refers to gener

| transient +hot work | Estimated Total FIF | Estimated Fixed-Source Fire Ignition Frequency | NRC Trans + HW Frequency | Licensee- Estimated Trans + HW Frequency | "+" INDICATE! Change |
|------------------------|---------------------------|---|--------------------------------|---|-------------------------|
| 1.09E-04 | 1.09E-04 | 0.00E+00 | 1.09E-04 | 1.66E-04 | -5.70E-05 |
| 1.11E-04 | 1.74E-04 | 1.56E-05 | 1.11E-04 | 1.69E-04 | -5.82E-05 |
| 1.09E-04 | 7.61E-04 | 6.47E-04 | 1.09E-04 | 1.66E-04 | -5.71E-05 |
| 1.11E-04 | 1.73E-04 | 1.50E-05 | 1.11E-04 | 1.69E-04 | -5.82E-05 |
| 1.09E-04 | 6.27E-04 | 5.09E-04 | 1.09E-04 | 1.66E-04 | -5.72E-05 |
| 1.31E-03 | 1.86E-03 | 5.17E-04 | 1.31E-03 | 4.32E-04 | 8.82E-04 |
| 1.30E-03 | 1.83E-03 | 5.16E-04 | 1.30E-03 | 4.29E-04 | 8.75E-04 |
| 1.26E-04 | 7.06E-04 | 5.78E-04 | 1.26E-04 | 1.83E-04 | -5.66E-05 |
| 9.13E-05 | 3.93E-04 | 2.94E-04 | 9.13E-05 | 1.49E-04 | -5.74E-05 |
| 2.60E-04 | 4.68E-03 | 4.06E-03 | 2.60E-04 | 2.86E-04 | -2.55E-05 |
| 2.55E-04 | 2.78E-03 | 2.29E-03 | 2.55E-04 | 2.77E-04 | -2.21E-05 |
| 1.09E-04 | 1.09E-04 | 0.00E+00 | 1.09E-04 | 1.66E-04 | -5.70E-05 |
| 1.26E-04 | 1.33E-04 | 1.93E-06 | 1.26E-04 | 1.83E-04 | -5.66E-05 |
| 1.10E-04 | 2.93E-02 | 2.92E-02 | 1.10E-04 | 1.68E-04 | -5.80E-05 |
| 1.26E-04 | 1.29E-04 | 0.00E+00 | 1.26E-04 | 1.83E-04 | -5.66E-05 |
| 1.09E-04 | 1.09E-04 | 0.00E+00 | 1.09E-04 | 1.66E-04 | -5.70E-05 |
| 7.54E-06 | 9.16E-05 | 0.00E+00 | 7.54E-06 | 8.64E-06 | -1.10E-06 |
| 1.09E-04 | 1.09E-04 | 0.00E+00 | 1.09E-04 | 1.66E-04 | -5.70E-05 |
| 1.09E-04 | 1.09E-04 | 0.00E+00 | 1.09E-04 | 1.66E-04 | -5.70E-05 |
| 7.54E-06 | 7.54E-06 | 0.00E+00 | 7.54E-06 | 8.64E-06 | -1.10E-06 |
| 7.54E-06 | 7.54E-06 | 0.00E+00 | 7.54E-06 | 8.64E-06 | -1.10E-06 |
| 1.52E-04 | 2.97E-03 | 2.62E-03 | 1.52E-04 | 2.14E-04 | -6.13E-05 |
| 1.35E-04 | 3.06E-03 | 2.71E-03 | 1.35E-04 | 2.58E-04 | -1.22E-04 |
| 1.46E-04 | 7.72E-04 | 5.73E-04 | 1.46E-04 | 2.03E-04 | -5.74E-05 |
| 1.33E-04 | 3.19E-03 | 2.91E-03 | 1.33E-04 | 1.93E-04 | -6.05E-05 |
| 9.10E-05 | 2.39E-04 | 1.47E-04 | 9.10E-05 | 1.48E-04 | -5.73E-05 |
| 9.09E-05 | 9.09E-05 | 0.00E+00 | 9.09E-05 | 1.48E-04 | -5.72E-05 |
| 1.45E-03 | 3.02E-03 | 1.38E-03 | 1.45E-03 | 4.84E-04 | 9.69E-04 |
| 1.26E-04 | 1.26E-04 | 0.00E+00 | 1.26E-04 | 1.83E-04 | -5.65E-05 |
| 1.26E-04 | 6.81E-04 | 5.54E-04 | 1.26E-04 | 1.83E-04 | -5.65E-05 |
| 9.17E-05 | 1.56E-03 | 1.45E-03 | 9.17E-05 | 1.49E-04 | -5.77E-05 |
| 1.26E-04 | 6.12E-04 | 4.85E-04 | 1.26E-04 | 1.83E-04 | -5.65E-05 |
| 1.44E-04 | 4.36E-04 | 2.92E-04 | 1.44E-04 | 2.00E-04 | -5.60E-05 |
| 1.09E-04 | 6.38E-04 | 5.08E-04 | 1.09E-04 | 1.67E-04 | -5.75E-05 |

| | | | | | |
|----------|----------|----------|----------|----------|-----------|
| 1.26E-04 | 6.28E-04 | 5.01E-04 | 1.26E-04 | 1.83E-04 | -5.65E-05 |
| 1.09E-04 | 2.66E-04 | 1.49E-04 | 1.09E-04 | 1.66E-04 | -5.72E-05 |
| 9.09E-05 | 5.08E-04 | 4.17E-04 | 9.09E-05 | 1.48E-04 | -5.72E-05 |
| 1.09E-04 | 7.37E-04 | 6.28E-04 | 1.09E-04 | 1.66E-04 | -5.70E-05 |
| 2.45E-04 | 6.89E-04 | 4.35E-04 | 2.45E-04 | 2.61E-04 | -1.60E-05 |
| 2.44E-04 | 7.77E-04 | 5.33E-04 | 2.44E-04 | 2.60E-04 | -1.58E-05 |
| 2.44E-04 | 4.86E-04 | 2.42E-04 | 2.44E-04 | 2.60E-04 | -1.58E-05 |
| 2.44E-04 | 4.86E-04 | 2.42E-04 | 2.44E-04 | 2.60E-04 | -1.58E-05 |
| 2.48E-04 | 5.92E-03 | 5.59E-03 | 2.48E-04 | 2.66E-04 | -1.81E-05 |
| 2.49E-04 | 5.48E-03 | 5.13E-03 | 2.49E-04 | 2.67E-04 | -1.85E-05 |
| 9.09E-05 | 9.09E-05 | 0.00E+00 | 9.09E-05 | 1.48E-04 | -5.72E-05 |
| 4.63E-05 | 1.47E-03 | 3.42E-04 | 4.63E-05 | 2.25E-04 | -1.79E-04 |
| 2.63E-04 | 9.61E-03 | 8.92E-03 | 2.63E-04 | 7.56E-04 | -4.93E-04 |
| 1.26E-04 | 1.45E-03 | 1.33E-03 | 1.26E-04 | 1.83E-04 | -5.65E-05 |
| | 1.19E-02 | 1.02E-02 | 1.50E-03 | 1.40E-03 | 1.07E-04 |
| | 3.13E-03 | 2.25E-03 | 7.23E-04 | 7.07E-04 | 1.64E-05 |
| | 3.01E-03 | 2.33E-03 | 6.10E-04 | 6.03E-04 | 6.98E-06 |
| | 9.70E-04 | 9.30E-04 | 4.02E-05 | 4.17E-05 | -1.59E-06 |
| | 4.74E-03 | 3.89E-03 | 7.17E-04 | 7.01E-04 | 1.66E-05 |
| | 1.94E-03 | 1.21E-03 | 4.68E-04 | 4.83E-04 | -1.51E-05 |
| | 6.98E-04 | 2.92E-04 | 4.06E-04 | 4.19E-04 | -1.29E-05 |
| | 5.94E-04 | 0.00E+00 | 5.94E-04 | 5.86E-04 | 7.46E-06 |
| | 5.00E-04 | 0.00E+00 | 5.00E-04 | 5.03E-04 | -2.74E-06 |
| | 4.43E-03 | 3.28E-03 | 7.74E-04 | 7.59E-04 | 1.46E-05 |
| | 3.88E-03 | 3.07E-03 | 7.10E-04 | 6.94E-04 | 1.68E-05 |
| | 1.26E-03 | 6.05E-04 | 6.05E-04 | 5.97E-04 | 7.07E-06 |
| | 6.73E-03 | 5.88E-03 | 7.18E-04 | 9.91E-04 | -2.73E-04 |
| | 2.78E-03 | 1.42E-03 | 1.36E-03 | 1.26E-03 | 9.74E-05 |
| | 6.97E-03 | 6.28E-03 | 6.87E-04 | 6.70E-04 | 1.77E-05 |
| | 4.06E-04 | 0.00E+00 | 4.06E-04 | 4.19E-04 | -1.29E-05 |
| | 6.97E-03 | 6.28E-03 | 6.87E-04 | 6.70E-04 | 1.77E-05 |
| | 4.06E-04 | 0.00E+00 | 4.06E-04 | 4.19E-04 | -1.29E-05 |
| | 1.14E-03 | 7.31E-04 | 4.06E-04 | 4.19E-04 | -1.29E-05 |
| | 2.35E-03 | 1.72E-03 | 6.00E-04 | 5.92E-04 | 7.25E-06 |
| | 9.70E-04 | 9.30E-04 | 4.02E-05 | 4.17E-05 | -1.59E-06 |
| | 1.21E-02 | 1.15E-02 | 5.94E-04 | 5.86E-04 | 7.46E-06 |
| | 4.11E-04 | 1.18E-04 | 2.48E-04 | 2.65E-04 | -1.74E-05 |
| | 1.84E-03 | 1.57E-03 | 2.42E-04 | 2.59E-04 | -1.70E-05 |
| | 1.66E-03 | 1.28E-03 | 3.20E-04 | 3.32E-04 | -1.23E-05 |
| | 2.35E-03 | 1.86E-03 | 4.01E-04 | 4.09E-04 | -8.48E-06 |
| | 3.00E-04 | 0.00E+00 | 3.00E-04 | 3.11E-04 | -1.08E-05 |
| | 5.35E-04 | 3.58E-04 | 1.66E-04 | 1.87E-04 | -2.12E-05 |
| | 1.66E-03 | 1.35E-03 | 2.52E-04 | 2.69E-04 | -1.77E-05 |
| | 3.18E-04 | 3.77E-05 | 2.44E-04 | 2.62E-04 | -1.71E-05 |
| | 9.21E-04 | 5.27E-04 | 3.76E-04 | 3.83E-04 | -6.60E-06 |

| | | | | |
|----------|----------|----------|----------|-----------|
| 9.93E-04 | 5.98E-04 | 3.76E-04 | 3.83E-04 | -6.64E-06 |
| 3.10E-03 | 2.65E-03 | 3.91E-04 | 3.98E-04 | -7.64E-06 |
| 9.09E-04 | 1.46E-04 | 7.64E-04 | 5.99E-04 | 1.64E-04 |
| 3.00E-04 | 0.00E+00 | 3.00E-04 | 3.11E-04 | -1.08E-05 |
| 4.96E-04 | 3.10E-04 | 1.69E-04 | 1.90E-04 | -2.14E-05 |
| 2.02E-04 | 0.00E+00 | 2.02E-04 | 2.16E-04 | -1.36E-05 |
| 1.80E-03 | 1.43E-03 | 3.69E-04 | 3.76E-04 | -6.15E-06 |
| 1.80E-03 | 1.43E-03 | 3.69E-04 | 3.76E-04 | -6.15E-06 |
| 6.72E-04 | 2.94E-04 | 3.72E-04 | 3.78E-04 | -6.30E-06 |
| 6.01E-04 | 2.23E-04 | 3.72E-04 | 3.78E-04 | -6.30E-06 |
| 3.61E-03 | 3.07E-03 | 5.42E-04 | 5.51E-04 | -9.68E-06 |
| 1.23E-03 | 4.02E-04 | 6.97E-04 | 7.01E-04 | -3.93E-06 |
| 1.23E-03 | 4.02E-04 | 6.97E-04 | 7.01E-04 | -4.40E-06 |
| 2.52E-02 | 2.33E-02 | 1.92E-03 | 1.83E-03 | 8.54E-05 |
| 5.42E-04 | 0.00E+00 | 5.42E-04 | 5.51E-04 | -9.68E-06 |
| 5.42E-04 | 0.00E+00 | 5.42E-04 | 5.51E-04 | -9.68E-06 |
| 1.80E-02 | | | | |

al transients and both types of hot work fires

S NRC IS LARGER"

RCIC ROOM, trans+hw larger than fixed source frequency

HPCI ROOM, trans+hw larger than fixed source frequency

Part of Rx bldg, trans+hw comparable to fixed source frequency



For TB, Trans + HW still smaller than fixed

For TB, Trans + HW comparable to fixed

Trans + HW still larger than fixed for diesel fire pump room

For "outside above ground", Tran + HW still lower than fixed

Summary of NRC FIFs Sensitivity Results

| REF. NO. | PAU | PAU DESCRIPTION | TRANSIENT FIRE STANDARD GENERIC LOCATION G GROUP |
|----------|--------------------|--|--|
| | (J) | | (L) |
| 1 | 01AN | Reactor Building - Torus North | CAR |
| 2 | 01AS | Reactor Building - Torus South (Bays 5 - 11) | CAR |
| 3 | 01B | Reactor Building - Northwest Corner Room | CAR |
| 4 | 01C | Reactor Building - Northeast Corner Room | CAR |
| 5 | 01D | Reactor Building - Southeast Corner Room | CAR |
| 6 | 01E | Reactor Building - HPCI Room | CAR |
| 7 | 01F | Reactor Building - RCIC Room | CAR |
| 8 | 01G | Reactor Building - Southwest Corner Room | CAR |
| 9 | 01H | Reactor Building - Radwaste 1T-70 Tank Room | CAR |
| 10 | 02A | Reactor Building - North CRD Module Area | CAR |
| 11 | 02B | Reactor Building - South CRD Module Area | CAR |
| 12 | 02C | Reactor Building - CRD Repair Room | CAR |
| 13 | 02D | Reactor Building - RHR Valve Room | CAR |
| 14 | 02E | Reactor Building - Offgas Recombiner Room | CAR |
| 15 | 02F | Reactor Building - Railroad Airlock | CAR |
| 16 | 02G | Reactor Building - Steam Tunnel | CAR |
| 17 | 02H ⁽¹⁾ | Reactor Building - North Chase | CAR |
| 18 | 02J | Reactor Building - North Stair 8 | CAR |
| 19 | 02K | Reactor Building - South Stair 6 and Elevator | CAR |
| 20 | 02L ⁽¹⁾ | Reactor Building - RHR Valve Room Pipe Chase | CAR |
| 21 | 02M ⁽¹⁾ | Reactor Building - Exhaust Fan Room Chase | CAR |
| 22 | 03A | Reactor Building - North Laydown Area 786' | CAR |
| 23 | 03B | Reactor Building - South Hatch Area 786' | CAR |
| 24 | 03C | Reactor Building - Standby Gas Treatment System Room | CAR |
| 25 | 03D | Reactor Building - MG Sets Room | CAR |
| 26 | 03E | Reactor Building - Spent Resin Tank Room | CAR |
| 27 | 03F | Reactor Building - Cleanup Phase Separator Room | CAR |
| 28 | 04A | Reactor Building - RBCCW Heat Exchanger/Chillers | CAR |
| 29 | 04B | Reactor Building - South Hatch Area 812' | CAR |

| | | | |
|----|--------------------|--|-----|
| 30 | 04C | Reactor Building - Exhaust Fan Room | CAR |
| 31 | 04D | Reactor Building - Heating Hot Water Pumps Room | CAR |
| 32 | 04E | Reactor Building - Air Supply Fan Room | CAR |
| 33 | 04F | Reactor Building - Jungle Room | CAR |
| 34 | 04G | Reactor Building - Fuel Pool Pump Area | CAR |
| 35 | 05A | Reactor Building - Laydown and Hatch Area 833' | CAR |
| 36 | 05B | Reactor Building - Phase Separator/Skimmer Surge Tank Rooms | CAR |
| 37 | 05C | Reactor Building - Turbine Building Exhaust Fan Penthouse | CAR |
| 38 | 06A | Reactor Building - Refuel Floor | CAR |
| 61 | 10A | Control Building - Battery Room Corridor | CAR |
| 62 | 10B | Control Building - 1D2, West Battery Room | CAR |
| 63 | 10C | Control Building - 1D4, Middle Battery Room | CAR |
| 64 | 10D | Control Building - 1D1, East Battery Room | CAR |
| 65 | 10E | Control Building - 1A4, West Essential Switchgear Room (Div. II) | CAR |
| 66 | 10F | Control Building - 1A3, East Essential Switchgear Room (Div. I) | CAR |
| 67 | 10G | Control Building - Electrical Chase | CAR |
| 68 | 11A | Control Building - Cable Spreading Room | CAR |
| 69 | 12A | Control Building - Control Room Complex | CAR |
| 70 | 12B | Control Building - Control Building HVAC Room & HVAC Chase | CAR |
| | | | |
| 39 | 07A | Turbine Building - Reactor Feed Pump Area | TB |
| 40 | 07B | Turbine Building - 1A2, Lower Switchgear Room | TB |
| 41 | 07C | Turbine Building - Turbine Lube Oil Tank Area | TB |
| 42 | 07D ⁽¹⁾ | Turbine Building - Turbine Lube Oil Storage Tank Vault | TB |
| 43 | 07E | Turbine Building - Condensate Pump Area | TB |
| 44 | 07F | Turbine Building - Condenser/Heater Bay | TB |
| 45 | 07G | Turbine Building - Steam Jet Air Ejector Room | TB |
| 46 | 07H | Turbine Building - North Stair 12 | TB |
| 47 | 07J | Turbine Building - South Stair 14 | TB |
| 48 | 08A | Turbine Building - Ground Floor North | TB |
| 49 | 08B | Turbine Building - 1A1, Upper Switchgear Room | TB |
| 50 | 08C | Turbine Building - East Tube Pulling Area | TB |
| 51 | 08D | Turbine Building - Ground Floor South | TB |
| 52 | 08E | Turbine Building - Aux Boiler Room | TB |
| 53 | 08F | Turbine Building - 1G-21, 'B' EDG Room (West) | TB |
| 54 | 08G | Turbine Building - 'B' EDG Day Tank Room | TB |
| 55 | 08H | Turbine Building - 1G-31, 'A' EDG Room (East) | TB |
| 56 | 08J | Turbine Building - 'A' EDG Day Tank Room | TB |
| 57 | 08K | Turbine Building - Demineralizer Pump and Tank Cells | TB |
| 58 | 09A | Turbine Building - Op Deck North | TB |
| 59 | 09B ⁽¹⁾ | Turbine Building - Op Deck Middle | TB |
| 60 | 09C | Turbine Building - Op Deck South | TB |

| | | | |
|----|-----|---|----|
| 71 | 13A | Radwaste Building - Radwaste Drumming and Shipping Area | PW |
| 72 | 13B | Radwaste Building - Radwaste Treatment and Access Area | PW |
| 73 | 13C | Radwaste Building - Radwaste Precoat and Access Area | PW |
| 74 | 13D | Radwaste Building - Radwaste Control Room | PW |
| 75 | 13E | Radwaste Building -Stair 18 | PW |
| 76 | 15A | Offgas Retention Building - Offgas Charcoal Absorber Vault | PW |
| 77 | 15B | Offgas Retention Building - Offgas Control and Glycol Area | PW |
| 78 | 15C | Offgas Retention Building - Offgas Prefilter and Condenser Area | PW |
| 79 | 16A | Pumphouse - 'B' RHRSW and ESW Pump Room | PW |
| 80 | 16B | Pumphouse - 'A' RHRSW and ESW Pump Room | PW |
| 81 | 16C | Pumphouse - Main Circ Pump Room and Circ Pit | PW |
| 82 | 16D | Pumphouse -Diesel Fire Pump Room | PW |
| 83 | 16E | Pumphouse - Fire Pump Day Tank Room | PW |
| 84 | 16F | Pumphouse -Basement | PW |
| 85 | 16G | Pumphouse - Stilling Basin and Wet Pits | PW |
| 86 | 17A | Intake Structure - Division I Pump Room (North) | PW |
| 87 | 17B | Intake Structure - Division II Pump Room (South) | PW |
| 88 | 17C | Intake Structure - Division I Screen Area (North) | PW |
| 89 | 17D | Intake Structure - Division II Screen Area (South) | PW |
| 90 | 22A | Service Air Compressor Building | PW |
| 91 | CT1 | A Cooling Tower (West) | PW |
| 92 | CT2 | B Cooling Tower (East) | PW |
| 93 | OAG | Outside Above Ground | PW |
| 94 | OGS | Offgas Stack | PW |
| 95 | OUG | Outside Under Ground | PW |

| Plant LAR | | | | Plant LAR Adjusted for UAM | | | | 1 - all i |
|---------------------------------------|--|--|---------------------|---------------------------------------|--|--|---------------------|---------------------------------------|
| General Transient (Bins 7, 25, 37) | Transient caused by Cutting & Welding (Bins 6, 24, 36) | Cable Fires caused by Cutting & Welding (Bins 5, 11, 31) | Total | General Transient (Bins 7, 25, 37) | Transient caused by Cutting & Welding (Bins 6, 24, 36) | Cable Fires caused by Cutting & Welding (Bins 5, 11, 31) | Total | General Transient (Bins 7, 25, 37) |
| (W _{GT}) | (W _{WC}) | (W _{CF}) | (W _{C,J}) | (W _{GT}) | (W _{WC}) | (W _{CF}) | (W _{C,J}) | (W _{GT}) |
| 4.32E-05 | 1.22E-04 | 0.00E+00 | 1.66E-04 | 4.32E-05 | 1.22E-04 | 0.00E+00 | 1.66E-04 | 4.39E-05 |
| 4.32E-05 | 1.22E-04 | 1.85E-05 | 1.84E-04 | 4.32E-05 | 1.22E-04 | 3.36E-06 | 1.69E-04 | 4.39E-05 |
| 4.32E-05 | 1.22E-04 | 2.09E-06 | 1.68E-04 | 4.32E-05 | 1.22E-04 | 3.79E-07 | 1.66E-04 | 4.39E-05 |
| 4.32E-05 | 1.22E-04 | 1.84E-05 | 1.84E-04 | 4.32E-05 | 1.22E-04 | 3.34E-06 | 1.69E-04 | 4.39E-05 |
| 4.32E-05 | 1.22E-04 | 3.30E-06 | 1.69E-04 | 4.32E-05 | 1.22E-04 | 6.00E-07 | 1.66E-04 | 4.39E-05 |
| 6.03E-05 | 3.67E-04 | 2.77E-05 | 4.55E-04 | 6.03E-05 | 3.67E-04 | 5.03E-06 | 4.32E-04 | 6.32E-05 |
| 6.03E-05 | 3.67E-04 | 1.08E-05 | 4.38E-04 | 6.03E-05 | 3.67E-04 | 1.96E-06 | 4.29E-04 | 6.32E-05 |
| 6.03E-05 | 1.22E-04 | 1.03E-06 | 1.84E-04 | 6.03E-05 | 1.22E-04 | 1.87E-07 | 1.83E-04 | 6.32E-05 |
| 2.59E-05 | 1.22E-04 | 2.93E-06 | 1.51E-04 | 2.59E-05 | 1.22E-04 | 5.33E-07 | 1.49E-04 | 2.47E-05 |
| 1.38E-04 | 1.22E-04 | 1.42E-04 | 4.02E-04 | 1.38E-04 | 1.22E-04 | 2.58E-05 | 2.86E-04 | 1.92E-04 |
| 1.38E-04 | 1.22E-04 | 9.15E-05 | 3.52E-04 | 1.38E-04 | 1.22E-04 | 1.66E-05 | 2.77E-04 | 1.92E-04 |
| 4.32E-05 | 1.22E-04 | 0.00E+00 | 1.66E-04 | 4.32E-05 | 1.22E-04 | 0.00E+00 | 1.66E-04 | 4.39E-05 |
| 6.03E-05 | 1.22E-04 | 1.98E-06 | 1.85E-04 | 6.03E-05 | 1.22E-04 | 3.60E-07 | 1.83E-04 | 6.32E-05 |
| 4.32E-05 | 1.22E-04 | 1.58E-05 | 1.81E-04 | 4.32E-05 | 1.22E-04 | 2.88E-06 | 1.68E-04 | 4.39E-05 |
| 6.03E-05 | 1.22E-04 | 1.15E-06 | 1.84E-04 | 6.03E-05 | 1.22E-04 | 2.10E-07 | 1.83E-04 | 6.32E-05 |
| 4.32E-05 | 1.22E-04 | 0.00E+00 | 1.66E-04 | 4.32E-05 | 1.22E-04 | 0.00E+00 | 1.66E-04 | 4.39E-05 |
| 8.64E-06 | 0.00E+00 | 0.00E+00 | 8.64E-06 | 8.64E-06 | 0.00E+00 | 0.00E+00 | 8.64E-06 | 8.24E-06 |
| 4.32E-05 | 1.22E-04 | 0.00E+00 | 1.66E-04 | 4.32E-05 | 1.22E-04 | 0.00E+00 | 1.66E-04 | 4.39E-05 |
| 4.32E-05 | 1.22E-04 | 0.00E+00 | 1.66E-04 | 4.32E-05 | 1.22E-04 | 0.00E+00 | 1.66E-04 | 4.39E-05 |
| 8.64E-06 | 0.00E+00 | 0.00E+00 | 8.64E-06 | 8.64E-06 | 0.00E+00 | 0.00E+00 | 8.64E-06 | 8.24E-06 |
| 8.64E-06 | 0.00E+00 | 0.00E+00 | 8.64E-06 | 8.64E-06 | 0.00E+00 | 0.00E+00 | 8.64E-06 | 8.24E-06 |
| 7.75E-05 | 1.22E-04 | 7.65E-05 | 2.76E-04 | 7.75E-05 | 1.22E-04 | 1.39E-05 | 2.14E-04 | 8.24E-05 |
| 1.21E-04 | 1.22E-04 | 8.24E-05 | 3.25E-04 | 1.21E-04 | 1.22E-04 | 1.50E-05 | 2.58E-04 | 6.32E-05 |
| 7.75E-05 | 1.22E-04 | 2.03E-05 | 2.20E-04 | 7.75E-05 | 1.22E-04 | 3.69E-06 | 2.03E-04 | 8.24E-05 |
| 6.03E-05 | 1.22E-04 | 5.85E-05 | 2.41E-04 | 6.03E-05 | 1.22E-04 | 1.06E-05 | 1.93E-04 | 6.32E-05 |
| 2.59E-05 | 1.22E-04 | 4.11E-07 | 1.49E-04 | 2.59E-05 | 1.22E-04 | 7.48E-08 | 1.48E-04 | 2.47E-05 |
| 2.59E-05 | 1.22E-04 | 0.00E+00 | 1.48E-04 | 2.59E-05 | 1.22E-04 | 0.00E+00 | 1.48E-04 | 2.47E-05 |
| 7.75E-05 | 3.67E-04 | 2.19E-04 | 6.63E-04 | 7.75E-05 | 3.67E-04 | 3.98E-05 | 4.84E-04 | 8.24E-05 |
| 6.03E-05 | 1.22E-04 | 0.00E+00 | 1.83E-04 | 6.03E-05 | 1.22E-04 | 0.00E+00 | 1.83E-04 | 6.32E-05 |

| | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 6.03E-05 | 1.22E-04 | 3.30E-07 | 1.83E-04 | 6.03E-05 | 1.22E-04 | 6.00E-08 | 1.83E-04 | 6.32E-05 |
| 2.59E-05 | 1.22E-04 | 7.00E-06 | 1.55E-04 | 2.59E-05 | 1.22E-04 | 1.27E-06 | 1.49E-04 | 2.47E-05 |
| 6.03E-05 | 1.22E-04 | 4.53E-07 | 1.83E-04 | 6.03E-05 | 1.22E-04 | 8.23E-08 | 1.83E-04 | 6.32E-05 |
| 7.75E-05 | 1.22E-04 | 8.24E-08 | 2.00E-04 | 7.75E-05 | 1.22E-04 | 1.50E-08 | 2.00E-04 | 8.24E-05 |
| 4.32E-05 | 1.22E-04 | 8.13E-06 | 1.74E-04 | 4.32E-05 | 1.22E-04 | 1.48E-06 | 1.67E-04 | 4.39E-05 |
| 6.03E-05 | 1.22E-04 | 3.71E-07 | 1.83E-04 | 6.03E-05 | 1.22E-04 | 6.75E-08 | 1.83E-04 | 6.32E-05 |
| 4.32E-05 | 1.22E-04 | 3.14E-06 | 1.69E-04 | 4.32E-05 | 1.22E-04 | 5.70E-07 | 1.66E-04 | 4.39E-05 |
| 2.59E-05 | 1.22E-04 | 0.00E+00 | 1.48E-04 | 2.59E-05 | 1.22E-04 | 0.00E+00 | 1.48E-04 | 2.47E-05 |
| 4.32E-05 | 1.22E-04 | 1.24E-07 | 1.66E-04 | 4.32E-05 | 1.22E-04 | 2.25E-08 | 1.66E-04 | 4.39E-05 |
| 1.38E-04 | 1.22E-04 | 3.64E-06 | 2.64E-04 | 1.38E-04 | 1.22E-04 | 6.62E-07 | 2.61E-04 | 1.92E-04 |
| 1.38E-04 | 1.22E-04 | 0.00E+00 | 2.60E-04 | 1.38E-04 | 1.22E-04 | 0.00E+00 | 2.60E-04 | 1.92E-04 |
| 1.38E-04 | 1.22E-04 | 0.00E+00 | 2.60E-04 | 1.38E-04 | 1.22E-04 | 0.00E+00 | 2.60E-04 | 1.92E-04 |
| 1.38E-04 | 1.22E-04 | 0.00E+00 | 2.60E-04 | 1.38E-04 | 1.22E-04 | 0.00E+00 | 2.60E-04 | 1.92E-04 |
| 1.38E-04 | 1.22E-04 | 3.36E-05 | 2.94E-04 | 1.38E-04 | 1.22E-04 | 6.11E-06 | 2.66E-04 | 1.92E-04 |
| 1.38E-04 | 1.22E-04 | 3.97E-05 | 3.00E-04 | 1.38E-04 | 1.22E-04 | 7.21E-06 | 2.67E-04 | 1.92E-04 |
| 2.59E-05 | 1.22E-04 | 0.00E+00 | 1.48E-04 | 2.59E-05 | 1.22E-04 | 0.00E+00 | 1.48E-04 | 2.47E-05 |
| 2.59E-05 | 1.22E-04 | 4.22E-04 | 5.70E-04 | 2.59E-05 | 1.22E-04 | 7.67E-05 | 2.25E-04 | 8.24E-06 |
| 6.03E-04 | 1.22E-04 | 1.67E-04 | 8.93E-04 | 6.03E-04 | 1.22E-04 | 3.04E-05 | 7.56E-04 | 1.92E-04 |
| 6.03E-05 | 1.22E-04 | 1.24E-07 | 1.83E-04 | 6.03E-05 | 1.22E-04 | 2.25E-08 | 1.83E-04 | 6.32E-05 |
| | | | | | | | | |
| 3.76E-04 | 8.81E-04 | 4.39E-04 | 1.70E-03 | 3.76E-04 | 8.81E-04 | 1.38E-04 | 1.40E-03 | 4.02E-04 |
| 3.76E-04 | 2.94E-04 | 1.17E-04 | 7.87E-04 | 3.76E-04 | 2.94E-04 | 3.69E-05 | 7.07E-04 | 4.02E-04 |
| 2.92E-04 | 2.94E-04 | 5.25E-05 | 6.39E-04 | 2.92E-04 | 2.94E-04 | 1.65E-05 | 6.03E-04 | 3.08E-04 |
| 4.17E-05 | 0.00E+00 | 0.00E+00 | 4.17E-05 | 4.17E-05 | 0.00E+00 | 0.00E+00 | 4.17E-05 | 4.02E-05 |
| 3.76E-04 | 2.94E-04 | 9.82E-05 | 7.68E-04 | 3.76E-04 | 2.94E-04 | 3.09E-05 | 7.01E-04 | 4.02E-04 |
| 1.25E-04 | 2.94E-04 | 2.03E-04 | 6.22E-04 | 1.25E-04 | 2.94E-04 | 6.39E-05 | 4.83E-04 | 1.20E-04 |
| 1.25E-04 | 2.94E-04 | 0.00E+00 | 4.19E-04 | 1.25E-04 | 2.94E-04 | 0.00E+00 | 4.19E-04 | 1.20E-04 |
| 2.92E-04 | 2.94E-04 | 0.00E+00 | 5.86E-04 | 2.92E-04 | 2.94E-04 | 0.00E+00 | 5.86E-04 | 3.08E-04 |
| 2.09E-04 | 2.94E-04 | 0.00E+00 | 5.03E-04 | 2.09E-04 | 2.94E-04 | 0.00E+00 | 5.03E-04 | 2.14E-04 |
| 3.76E-04 | 2.94E-04 | 2.85E-04 | 9.54E-04 | 3.76E-04 | 2.94E-04 | 8.96E-05 | 7.59E-04 | 4.02E-04 |
| 3.76E-04 | 2.94E-04 | 7.62E-05 | 7.46E-04 | 3.76E-04 | 2.94E-04 | 2.40E-05 | 6.94E-04 | 4.02E-04 |
| 2.92E-04 | 2.94E-04 | 3.58E-05 | 6.22E-04 | 2.92E-04 | 2.94E-04 | 1.13E-05 | 5.97E-04 | 3.08E-04 |
| 6.66E-04 | 2.94E-04 | 9.97E-05 | 1.06E-03 | 6.66E-04 | 2.94E-04 | 3.14E-05 | 9.91E-04 | 4.02E-04 |
| 3.76E-04 | 8.81E-04 | 5.49E-06 | 1.26E-03 | 3.76E-04 | 8.81E-04 | 1.73E-06 | 1.26E-03 | 4.02E-04 |
| 3.76E-04 | 2.94E-04 | 0.00E+00 | 6.70E-04 | 3.76E-04 | 2.94E-04 | 0.00E+00 | 6.70E-04 | 4.02E-04 |
| 1.25E-04 | 2.94E-04 | 0.00E+00 | 4.19E-04 | 1.25E-04 | 2.94E-04 | 0.00E+00 | 4.19E-04 | 1.20E-04 |
| 3.76E-04 | 2.94E-04 | 0.00E+00 | 6.70E-04 | 3.76E-04 | 2.94E-04 | 0.00E+00 | 6.70E-04 | 4.02E-04 |
| 1.25E-04 | 2.94E-04 | 0.00E+00 | 4.19E-04 | 1.25E-04 | 2.94E-04 | 0.00E+00 | 4.19E-04 | 1.20E-04 |
| 1.25E-04 | 2.94E-04 | 0.00E+00 | 4.19E-04 | 1.25E-04 | 2.94E-04 | 0.00E+00 | 4.19E-04 | 1.20E-04 |
| 2.92E-04 | 2.94E-04 | 1.93E-05 | 6.06E-04 | 2.92E-04 | 2.94E-04 | 6.08E-06 | 5.92E-04 | 3.08E-04 |
| 4.17E-05 | 0.00E+00 | 0.00E+00 | 4.17E-05 | 4.17E-05 | 0.00E+00 | 0.00E+00 | 4.17E-05 | 4.02E-05 |
| 2.92E-04 | 2.94E-04 | 0.00E+00 | 5.86E-04 | 2.92E-04 | 2.94E-04 | 0.00E+00 | 5.86E-04 | 3.08E-04 |

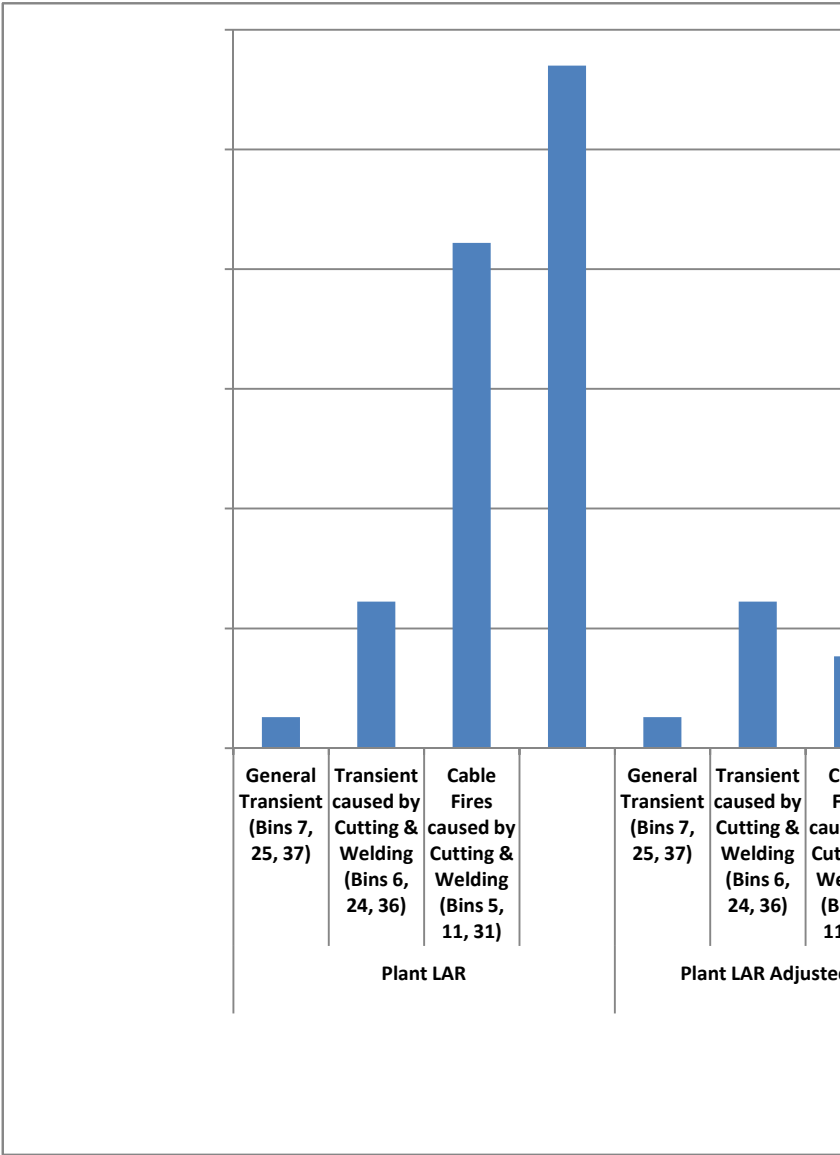
| | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1.60E-04 | 8.76E-05 | 6.47E-05 | 3.12E-04 | 1.60E-04 | 8.76E-05 | 1.75E-05 | 2.65E-04 | 1.58E-04 |
| 1.60E-04 | 8.76E-05 | 4.21E-05 | 2.90E-04 | 1.60E-04 | 8.76E-05 | 1.14E-05 | 2.59E-04 | 1.58E-04 |
| 2.24E-04 | 8.76E-05 | 7.81E-05 | 3.89E-04 | 2.24E-04 | 8.76E-05 | 2.11E-05 | 3.32E-04 | 2.27E-04 |
| 2.88E-04 | 8.76E-05 | 1.25E-04 | 5.01E-04 | 2.88E-04 | 8.76E-05 | 3.38E-05 | 4.09E-04 | 2.96E-04 |
| 2.24E-04 | 8.76E-05 | 0.00E+00 | 3.11E-04 | 2.24E-04 | 8.76E-05 | 0.00E+00 | 3.11E-04 | 2.27E-04 |
| 9.58E-05 | 8.76E-05 | 1.47E-05 | 1.98E-04 | 9.58E-05 | 8.76E-05 | 3.98E-06 | 1.87E-04 | 8.87E-05 |
| 1.60E-04 | 8.76E-05 | 8.04E-05 | 3.28E-04 | 1.60E-04 | 8.76E-05 | 2.18E-05 | 2.69E-04 | 1.58E-04 |
| 1.60E-04 | 8.76E-05 | 5.15E-05 | 2.99E-04 | 1.60E-04 | 8.76E-05 | 1.39E-05 | 2.62E-04 | 1.58E-04 |
| 2.88E-04 | 8.76E-05 | 2.59E-05 | 4.02E-04 | 2.88E-04 | 8.76E-05 | 7.02E-06 | 3.83E-04 | 2.96E-04 |
| 2.88E-04 | 8.76E-05 | 2.75E-05 | 4.03E-04 | 2.88E-04 | 8.76E-05 | 7.44E-06 | 3.83E-04 | 2.96E-04 |
| 2.88E-04 | 8.76E-05 | 8.46E-05 | 4.60E-04 | 2.88E-04 | 8.76E-05 | 2.29E-05 | 3.98E-04 | 2.96E-04 |
| 5.12E-04 | 8.76E-05 | 0.00E+00 | 5.99E-04 | 5.12E-04 | 8.76E-05 | 0.00E+00 | 5.99E-04 | 6.90E-04 |
| 2.24E-04 | 8.76E-05 | 0.00E+00 | 3.11E-04 | 2.24E-04 | 8.76E-05 | 0.00E+00 | 3.11E-04 | 2.27E-04 |
| 9.58E-05 | 8.76E-05 | 2.47E-05 | 2.08E-04 | 9.58E-05 | 8.76E-05 | 6.69E-06 | 1.90E-04 | 8.87E-05 |
| 1.28E-04 | 8.76E-05 | 0.00E+00 | 2.16E-04 | 1.28E-04 | 8.76E-05 | 0.00E+00 | 2.16E-04 | 1.28E-04 |
| 2.88E-04 | 8.76E-05 | 0.00E+00 | 3.76E-04 | 2.88E-04 | 8.76E-05 | 0.00E+00 | 3.76E-04 | 2.96E-04 |
| 2.88E-04 | 8.76E-05 | 0.00E+00 | 3.76E-04 | 2.88E-04 | 8.76E-05 | 0.00E+00 | 3.76E-04 | 2.96E-04 |
| 2.88E-04 | 8.76E-05 | 8.70E-06 | 3.84E-04 | 2.88E-04 | 8.76E-05 | 2.36E-06 | 3.78E-04 | 2.96E-04 |
| 2.88E-04 | 8.76E-05 | 8.70E-06 | 3.84E-04 | 2.88E-04 | 8.76E-05 | 2.36E-06 | 3.78E-04 | 2.96E-04 |
| 2.88E-04 | 2.63E-04 | 0.00E+00 | 5.51E-04 | 2.88E-04 | 2.63E-04 | 0.00E+00 | 5.51E-04 | 2.96E-04 |
| 2.88E-04 | 2.63E-04 | 5.52E-04 | 1.10E-03 | 2.88E-04 | 2.63E-04 | 1.49E-04 | 7.01E-04 | 2.96E-04 |
| 2.88E-04 | 2.63E-04 | 5.53E-04 | 1.10E-03 | 2.88E-04 | 2.63E-04 | 1.50E-04 | 7.01E-04 | 2.96E-04 |
| 9.58E-04 | 8.76E-04 | 0.00E+00 | 1.83E-03 | 9.58E-04 | 8.76E-04 | 0.00E+00 | 1.83E-03 | 6.90E-04 |
| 2.88E-04 | 2.63E-04 | 0.00E+00 | 5.51E-04 | 2.88E-04 | 2.63E-04 | 0.00E+00 | 5.51E-04 | 2.96E-04 |
| 2.88E-04 | 2.63E-04 | 0.00E+00 | 5.51E-04 | 2.88E-04 | 2.63E-04 | 0.00E+00 | 5.51E-04 | 2.96E-04 |

| Influence factors, except CSR, supported by one category | | | 2 - #1 + hot work influence factors for HPCI, RCIC, RBCCW set to 50 | | | | 3 - #2 + mech/elect influence factors for HPCI, RCIC, RBCCW set to 50 | |
|--|--|---------------------|---|--|--|---------------------|---|--|
| Transient caused by Cutting & Welding (Bins 6, 24, 36) | Cable Fires caused by Cutting & Welding (Bins 5, 11, 31) | Total | General Transient (Bins 7, 25, 37) | Transient caused by Cutting & Welding (Bins 6, 24, 36) | Cable Fires caused by Cutting & Welding (Bins 5, 11, 31) | Total | General Transient (Bins 7, 25, 37) | Transient caused by Cutting & Welding (Bins 6, 24, 36) |
| (W _{wc}) | (W _{cf}) | (W _{c,j}) | (W _{GT}) | (W _{wc}) | (W _{cf}) | (W _{c,j}) | (W _{GT}) | (W _{wc}) |
| 1.22E-04 | 0.00E+00 | 1.65E-04 | 4.39E-05 | 6.83E-05 | 0.00E+00 | 1.12E-04 | 4.02E-05 | 6.83E-05 |
| 1.22E-04 | 4.06E-06 | 1.70E-04 | 4.39E-05 | 6.83E-05 | 2.10E-06 | 1.14E-04 | 4.02E-05 | 6.83E-05 |
| 1.22E-04 | 4.56E-07 | 1.66E-04 | 4.39E-05 | 6.83E-05 | 2.36E-07 | 1.12E-04 | 4.02E-05 | 6.83E-05 |
| 1.22E-04 | 4.03E-06 | 1.70E-04 | 4.39E-05 | 6.83E-05 | 2.08E-06 | 1.14E-04 | 4.02E-05 | 6.83E-05 |
| 1.22E-04 | 7.23E-07 | 1.66E-04 | 4.39E-05 | 6.83E-05 | 3.74E-07 | 1.13E-04 | 4.02E-05 | 6.83E-05 |
| 4.05E-04 | 6.74E-06 | 4.75E-04 | 6.32E-05 | 1.14E-03 | 1.74E-05 | 1.22E-03 | 1.58E-04 | 1.14E-03 |
| 4.05E-04 | 2.62E-06 | 4.71E-04 | 6.32E-05 | 1.14E-03 | 6.77E-06 | 1.21E-03 | 1.58E-04 | 1.14E-03 |
| 1.22E-04 | 2.26E-07 | 1.85E-04 | 6.32E-05 | 6.83E-05 | 1.17E-07 | 1.32E-04 | 5.78E-05 | 6.83E-05 |
| 1.22E-04 | 6.41E-07 | 1.47E-04 | 2.47E-05 | 6.83E-05 | 3.31E-07 | 9.34E-05 | 2.26E-05 | 6.83E-05 |
| 1.22E-04 | 3.11E-05 | 3.45E-04 | 1.92E-04 | 6.83E-05 | 1.61E-05 | 2.77E-04 | 1.76E-04 | 6.83E-05 |
| 1.22E-04 | 2.00E-05 | 3.34E-04 | 1.92E-04 | 6.83E-05 | 1.04E-05 | 2.71E-04 | 1.76E-04 | 6.83E-05 |
| 1.22E-04 | 0.00E+00 | 1.65E-04 | 4.39E-05 | 6.83E-05 | 0.00E+00 | 1.12E-04 | 4.02E-05 | 6.83E-05 |
| 1.22E-04 | 4.34E-07 | 1.85E-04 | 6.32E-05 | 6.83E-05 | 2.24E-07 | 1.32E-04 | 5.78E-05 | 6.83E-05 |
| 1.22E-04 | 3.46E-06 | 1.69E-04 | 4.39E-05 | 6.83E-05 | 1.79E-06 | 1.14E-04 | 4.02E-05 | 6.83E-05 |
| 1.22E-04 | 2.53E-07 | 1.85E-04 | 6.32E-05 | 6.83E-05 | 1.31E-07 | 1.32E-04 | 5.78E-05 | 6.83E-05 |
| 1.22E-04 | 0.00E+00 | 1.65E-04 | 4.39E-05 | 6.83E-05 | 0.00E+00 | 1.12E-04 | 4.02E-05 | 6.83E-05 |
| 0.00E+00 | 0.00E+00 | 8.24E-06 | 8.24E-06 | 0.00E+00 | 0.00E+00 | 8.24E-06 | 7.54E-06 | 0.00E+00 |
| 1.22E-04 | 0.00E+00 | 1.65E-04 | 4.39E-05 | 6.83E-05 | 0.00E+00 | 1.12E-04 | 4.02E-05 | 6.83E-05 |
| 1.22E-04 | 0.00E+00 | 1.65E-04 | 4.39E-05 | 6.83E-05 | 0.00E+00 | 1.12E-04 | 4.02E-05 | 6.83E-05 |
| 0.00E+00 | 0.00E+00 | 8.24E-06 | 8.24E-06 | 0.00E+00 | 0.00E+00 | 8.24E-06 | 7.54E-06 | 0.00E+00 |
| 0.00E+00 | 0.00E+00 | 8.24E-06 | 8.24E-06 | 0.00E+00 | 0.00E+00 | 8.24E-06 | 7.54E-06 | 0.00E+00 |
| 1.22E-04 | 1.68E-05 | 2.21E-04 | 8.24E-05 | 6.83E-05 | 8.67E-06 | 1.59E-04 | 7.54E-05 | 6.83E-05 |
| 1.22E-04 | 1.81E-05 | 2.03E-04 | 6.32E-05 | 6.83E-05 | 9.34E-06 | 1.41E-04 | 5.78E-05 | 6.83E-05 |
| 1.22E-04 | 4.45E-06 | 2.08E-04 | 8.24E-05 | 6.83E-05 | 2.30E-06 | 1.53E-04 | 7.54E-05 | 6.83E-05 |
| 1.22E-04 | 1.28E-05 | 1.98E-04 | 6.32E-05 | 6.83E-05 | 6.62E-06 | 1.38E-04 | 5.78E-05 | 6.83E-05 |
| 1.22E-04 | 9.01E-08 | 1.46E-04 | 2.47E-05 | 6.83E-05 | 4.66E-08 | 9.31E-05 | 2.26E-05 | 6.83E-05 |
| 1.22E-04 | 0.00E+00 | 1.46E-04 | 2.47E-05 | 6.83E-05 | 0.00E+00 | 9.30E-05 | 2.26E-05 | 6.83E-05 |
| 4.05E-04 | 5.35E-05 | 5.41E-04 | 8.24E-05 | 1.14E-03 | 1.38E-04 | 1.36E-03 | 1.76E-04 | 1.14E-03 |
| 1.22E-04 | 0.00E+00 | 1.85E-04 | 6.32E-05 | 6.83E-05 | 0.00E+00 | 1.31E-04 | 5.78E-05 | 6.83E-05 |

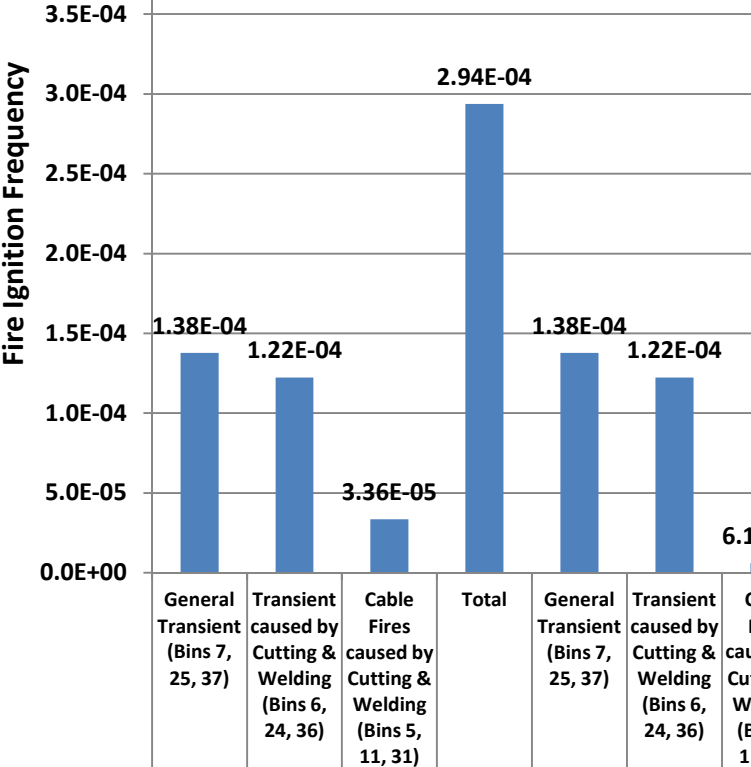
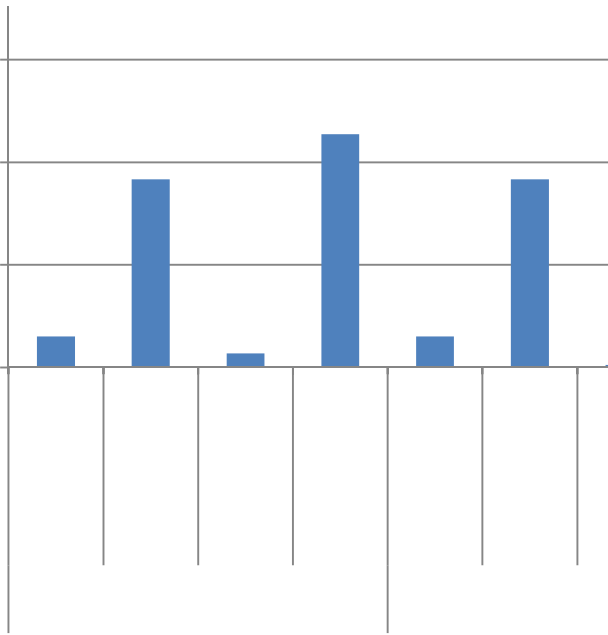
| | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1.22E-04 | 7.23E-08 | 1.85E-04 | 6.32E-05 | 6.83E-05 | 3.74E-08 | 1.32E-04 | 5.78E-05 | 6.83E-05 |
| 1.22E-04 | 1.54E-06 | 1.48E-04 | 2.47E-05 | 6.83E-05 | 7.94E-07 | 9.38E-05 | 2.26E-05 | 6.83E-05 |
| 1.22E-04 | 9.92E-08 | 1.85E-04 | 6.32E-05 | 6.83E-05 | 5.13E-08 | 1.32E-04 | 5.78E-05 | 6.83E-05 |
| 1.22E-04 | 1.81E-08 | 2.04E-04 | 8.24E-05 | 6.83E-05 | 9.34E-09 | 1.51E-04 | 7.54E-05 | 6.83E-05 |
| 1.22E-04 | 1.78E-06 | 1.67E-04 | 4.39E-05 | 6.83E-05 | 9.19E-07 | 1.13E-04 | 4.02E-05 | 6.83E-05 |
| 1.22E-04 | 8.14E-08 | 1.85E-04 | 6.32E-05 | 6.83E-05 | 4.21E-08 | 1.32E-04 | 5.78E-05 | 6.83E-05 |
| 1.22E-04 | 6.84E-07 | 1.66E-04 | 4.39E-05 | 6.83E-05 | 3.54E-07 | 1.13E-04 | 4.02E-05 | 6.83E-05 |
| 1.22E-04 | 0.00E+00 | 1.46E-04 | 2.47E-05 | 6.83E-05 | 0.00E+00 | 9.30E-05 | 2.26E-05 | 6.83E-05 |
| 1.22E-04 | 2.71E-08 | 1.66E-04 | 4.39E-05 | 6.83E-05 | 1.40E-08 | 1.12E-04 | 4.02E-05 | 6.83E-05 |
| 1.22E-04 | 8.00E-07 | 3.15E-04 | 1.92E-04 | 6.83E-05 | 4.13E-07 | 2.61E-04 | 1.76E-04 | 6.83E-05 |
| 1.22E-04 | 0.00E+00 | 3.14E-04 | 1.92E-04 | 6.83E-05 | 0.00E+00 | 2.61E-04 | 1.76E-04 | 6.83E-05 |
| 1.22E-04 | 0.00E+00 | 3.14E-04 | 1.92E-04 | 6.83E-05 | 0.00E+00 | 2.61E-04 | 1.76E-04 | 6.83E-05 |
| 1.22E-04 | 0.00E+00 | 3.14E-04 | 1.92E-04 | 6.83E-05 | 0.00E+00 | 2.61E-04 | 1.76E-04 | 6.83E-05 |
| 1.22E-04 | 7.37E-06 | 3.21E-04 | 1.92E-04 | 6.83E-05 | 3.81E-06 | 2.64E-04 | 1.76E-04 | 6.83E-05 |
| 1.22E-04 | 8.67E-06 | 3.22E-04 | 1.92E-04 | 6.83E-05 | 4.48E-06 | 2.65E-04 | 1.76E-04 | 6.83E-05 |
| 1.22E-04 | 0.00E+00 | 1.46E-04 | 2.47E-05 | 6.83E-05 | 0.00E+00 | 9.30E-05 | 2.26E-05 | 6.83E-05 |
| 4.05E-05 | 3.08E-05 | 7.96E-05 | 8.24E-06 | 2.28E-05 | 1.59E-05 | 4.70E-05 | 7.54E-06 | 2.28E-05 |
| 1.22E-04 | 3.66E-05 | 3.50E-04 | 1.92E-04 | 6.83E-05 | 1.89E-05 | 2.79E-04 | 1.76E-04 | 6.83E-05 |
| 1.22E-04 | 2.71E-08 | 1.85E-04 | 6.32E-05 | 6.83E-05 | 1.40E-08 | 1.31E-04 | 5.78E-05 | 6.83E-05 |
| | | | | | | | | |
| 9.53E-04 | 1.48E-04 | 1.50E-03 | 4.02E-04 | 9.53E-04 | 1.48E-04 | 1.50E-03 | 4.02E-04 | 9.53E-04 |
| 2.86E-04 | 3.57E-05 | 7.23E-04 | 4.02E-04 | 2.86E-04 | 3.57E-05 | 7.23E-04 | 4.02E-04 | 2.86E-04 |
| 2.86E-04 | 1.60E-05 | 6.10E-04 | 3.08E-04 | 2.86E-04 | 1.60E-05 | 6.10E-04 | 3.08E-04 | 2.86E-04 |
| 0.00E+00 | 0.00E+00 | 4.02E-05 | 4.02E-05 | 0.00E+00 | 0.00E+00 | 4.02E-05 | 4.02E-05 | 0.00E+00 |
| 2.86E-04 | 2.99E-05 | 7.17E-04 | 4.02E-04 | 2.86E-04 | 2.99E-05 | 7.17E-04 | 4.02E-04 | 2.86E-04 |
| 2.86E-04 | 6.18E-05 | 4.68E-04 | 1.20E-04 | 2.86E-04 | 6.18E-05 | 4.68E-04 | 1.20E-04 | 2.86E-04 |
| 2.86E-04 | 0.00E+00 | 4.06E-04 | 1.20E-04 | 2.86E-04 | 0.00E+00 | 4.06E-04 | 1.20E-04 | 2.86E-04 |
| 2.86E-04 | 0.00E+00 | 5.94E-04 | 3.08E-04 | 2.86E-04 | 0.00E+00 | 5.94E-04 | 3.08E-04 | 2.86E-04 |
| 2.86E-04 | 0.00E+00 | 5.00E-04 | 2.14E-04 | 2.86E-04 | 0.00E+00 | 5.00E-04 | 2.14E-04 | 2.86E-04 |
| 2.86E-04 | 8.65E-05 | 7.74E-04 | 4.02E-04 | 2.86E-04 | 8.65E-05 | 7.74E-04 | 4.02E-04 | 2.86E-04 |
| 2.86E-04 | 2.31E-05 | 7.10E-04 | 4.02E-04 | 2.86E-04 | 2.31E-05 | 7.10E-04 | 4.02E-04 | 2.86E-04 |
| 2.86E-04 | 1.09E-05 | 6.05E-04 | 3.08E-04 | 2.86E-04 | 1.09E-05 | 6.05E-04 | 3.08E-04 | 2.86E-04 |
| 2.86E-04 | 3.02E-05 | 7.18E-04 | 4.02E-04 | 2.86E-04 | 3.02E-05 | 7.18E-04 | 4.02E-04 | 2.86E-04 |
| 9.53E-04 | 1.86E-06 | 1.36E-03 | 4.02E-04 | 9.53E-04 | 1.86E-06 | 1.36E-03 | 4.02E-04 | 9.53E-04 |
| 2.86E-04 | 0.00E+00 | 6.87E-04 | 4.02E-04 | 2.86E-04 | 0.00E+00 | 6.87E-04 | 4.02E-04 | 2.86E-04 |
| 2.86E-04 | 0.00E+00 | 4.06E-04 | 1.20E-04 | 2.86E-04 | 0.00E+00 | 4.06E-04 | 1.20E-04 | 2.86E-04 |
| 2.86E-04 | 0.00E+00 | 6.87E-04 | 4.02E-04 | 2.86E-04 | 0.00E+00 | 6.87E-04 | 4.02E-04 | 2.86E-04 |
| 2.86E-04 | 0.00E+00 | 4.06E-04 | 1.20E-04 | 2.86E-04 | 0.00E+00 | 4.06E-04 | 1.20E-04 | 2.86E-04 |
| 2.86E-04 | 0.00E+00 | 4.06E-04 | 1.20E-04 | 2.86E-04 | 0.00E+00 | 4.06E-04 | 1.20E-04 | 2.86E-04 |
| 2.86E-04 | 5.86E-06 | 6.00E-04 | 3.08E-04 | 2.86E-04 | 5.86E-06 | 6.00E-04 | 3.08E-04 | 2.86E-04 |
| 0.00E+00 | 0.00E+00 | 4.02E-05 | 4.02E-05 | 0.00E+00 | 0.00E+00 | 4.02E-05 | 4.02E-05 | 0.00E+00 |
| 2.86E-04 | 0.00E+00 | 5.94E-04 | 3.08E-04 | 2.86E-04 | 0.00E+00 | 5.94E-04 | 3.08E-04 | 2.86E-04 |

| | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | | | | | | | | |
| 7.38E-05 | 1.64E-05 | 2.48E-04 | 1.58E-04 | 7.38E-05 | 1.64E-05 | 2.48E-04 | 1.58E-04 | 7.38E-05 |
| 7.38E-05 | 1.06E-05 | 2.42E-04 | 1.58E-04 | 7.38E-05 | 1.06E-05 | 2.42E-04 | 1.58E-04 | 7.38E-05 |
| 7.38E-05 | 1.97E-05 | 3.20E-04 | 2.27E-04 | 7.38E-05 | 1.97E-05 | 3.20E-04 | 2.27E-04 | 7.38E-05 |
| 7.38E-05 | 3.15E-05 | 4.01E-04 | 2.96E-04 | 7.38E-05 | 3.15E-05 | 4.01E-04 | 2.96E-04 | 7.38E-05 |
| 7.38E-05 | 0.00E+00 | 3.00E-04 | 2.27E-04 | 7.38E-05 | 0.00E+00 | 3.00E-04 | 2.27E-04 | 7.38E-05 |
| 7.38E-05 | 3.73E-06 | 1.66E-04 | 8.87E-05 | 7.38E-05 | 3.73E-06 | 1.66E-04 | 8.87E-05 | 7.38E-05 |
| 7.38E-05 | 2.03E-05 | 2.52E-04 | 1.58E-04 | 7.38E-05 | 2.03E-05 | 2.52E-04 | 1.58E-04 | 7.38E-05 |
| 7.38E-05 | 1.30E-05 | 2.44E-04 | 1.58E-04 | 7.38E-05 | 1.30E-05 | 2.44E-04 | 1.58E-04 | 7.38E-05 |
| 7.38E-05 | 6.57E-06 | 3.76E-04 | 2.96E-04 | 7.38E-05 | 6.57E-06 | 3.76E-04 | 2.96E-04 | 7.38E-05 |
| 7.38E-05 | 6.96E-06 | 3.76E-04 | 2.96E-04 | 7.38E-05 | 6.96E-06 | 3.76E-04 | 2.96E-04 | 7.38E-05 |
| 7.38E-05 | 2.14E-05 | 3.91E-04 | 2.96E-04 | 7.38E-05 | 2.14E-05 | 3.91E-04 | 2.96E-04 | 7.38E-05 |
| 7.38E-05 | 0.00E+00 | 7.64E-04 | 6.90E-04 | 7.38E-05 | 0.00E+00 | 7.64E-04 | 6.90E-04 | 7.38E-05 |
| 7.38E-05 | 0.00E+00 | 3.00E-04 | 2.27E-04 | 7.38E-05 | 0.00E+00 | 3.00E-04 | 2.27E-04 | 7.38E-05 |
| 7.38E-05 | 6.24E-06 | 1.69E-04 | 8.87E-05 | 7.38E-05 | 6.24E-06 | 1.69E-04 | 8.87E-05 | 7.38E-05 |
| 7.38E-05 | 0.00E+00 | 2.02E-04 | 1.28E-04 | 7.38E-05 | 0.00E+00 | 2.02E-04 | 1.28E-04 | 7.38E-05 |
| 7.38E-05 | 0.00E+00 | 3.69E-04 | 2.96E-04 | 7.38E-05 | 0.00E+00 | 3.69E-04 | 2.96E-04 | 7.38E-05 |
| 7.38E-05 | 0.00E+00 | 3.69E-04 | 2.96E-04 | 7.38E-05 | 0.00E+00 | 3.69E-04 | 2.96E-04 | 7.38E-05 |
| 7.38E-05 | 2.20E-06 | 3.72E-04 | 2.96E-04 | 7.38E-05 | 2.20E-06 | 3.72E-04 | 2.96E-04 | 7.38E-05 |
| 7.38E-05 | 2.20E-06 | 3.72E-04 | 2.96E-04 | 7.38E-05 | 2.20E-06 | 3.72E-04 | 2.96E-04 | 7.38E-05 |
| 2.46E-04 | 0.00E+00 | 5.42E-04 | 2.96E-04 | 2.46E-04 | 0.00E+00 | 5.42E-04 | 2.96E-04 | 2.46E-04 |
| 2.46E-04 | 1.55E-04 | 6.97E-04 | 2.96E-04 | 2.46E-04 | 1.55E-04 | 6.97E-04 | 2.96E-04 | 2.46E-04 |
| 2.46E-04 | 1.55E-04 | 6.97E-04 | 2.96E-04 | 2.46E-04 | 1.55E-04 | 6.97E-04 | 2.96E-04 | 2.46E-04 |
| 1.23E-03 | 0.00E+00 | 1.92E-03 | 6.90E-04 | 1.23E-03 | 0.00E+00 | 1.92E-03 | 6.90E-04 | 1.23E-03 |
| 2.46E-04 | 0.00E+00 | 5.42E-04 | 2.96E-04 | 2.46E-04 | 0.00E+00 | 5.42E-04 | 2.96E-04 | 2.46E-04 |
| 2.46E-04 | 0.00E+00 | 5.42E-04 | 2.96E-04 | 2.46E-04 | 0.00E+00 | 5.42E-04 | 2.96E-04 | 2.46E-04 |

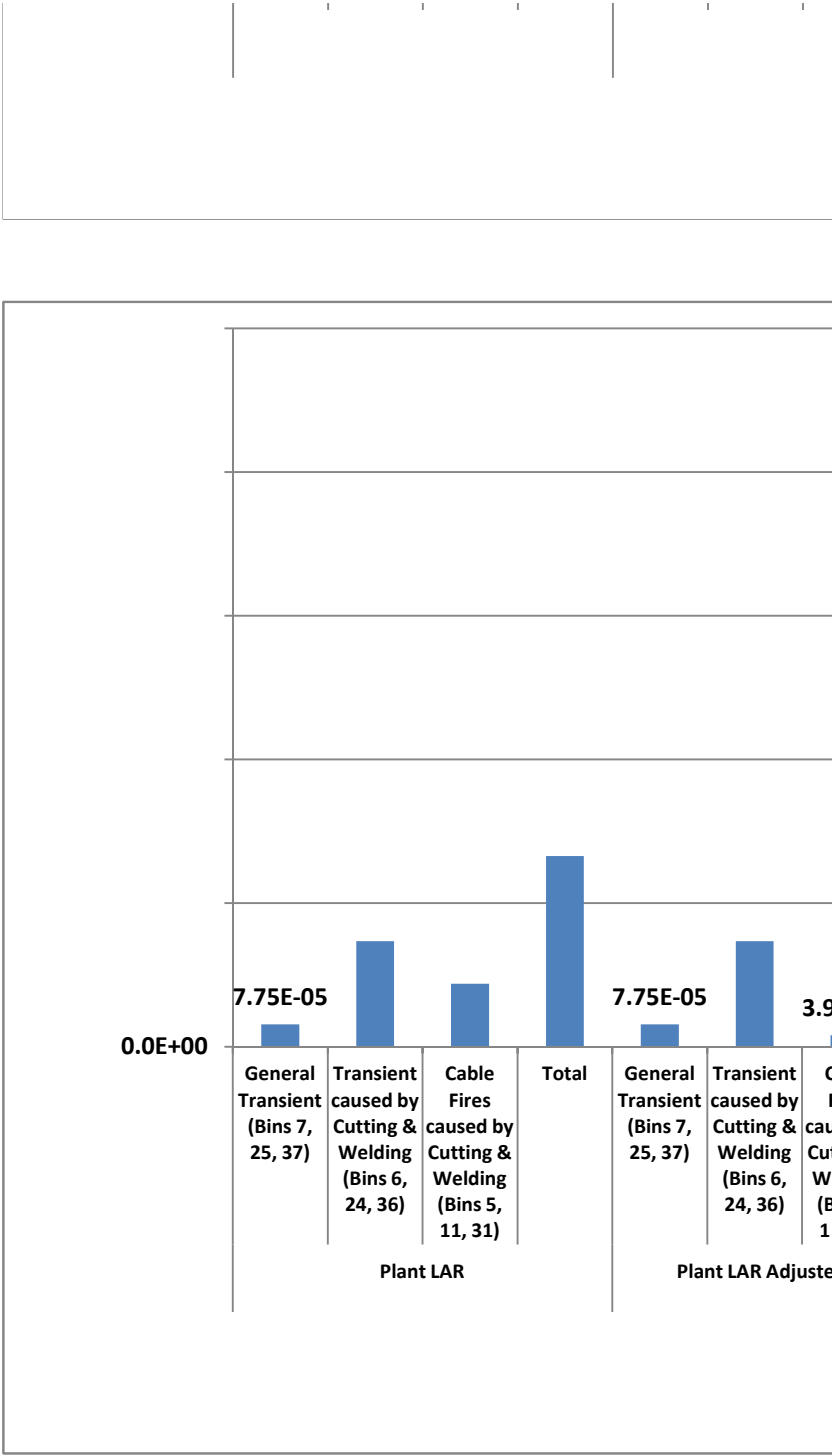
| Cable influence factors for BCCW set to 50 | |
|--|---------------------|
| Cable Fires caused by Cutting & Welding (Bins 5, 11, 31) | Total |
| (W _{CF}) | (W _{C,J}) |
| 0.00E+00 | 1.09E-04 |
| 2.10E-06 | 1.11E-04 |
| 2.36E-07 | 1.09E-04 |
| 2.08E-06 | 1.11E-04 |
| 3.74E-07 | 1.09E-04 |
| 1.74E-05 | 1.31E-03 |
| 6.77E-06 | 1.30E-03 |
| 1.17E-07 | 1.26E-04 |
| 3.31E-07 | 9.13E-05 |
| 1.61E-05 | 2.60E-04 |
| 1.04E-05 | 2.55E-04 |
| 0.00E+00 | 1.09E-04 |
| 2.24E-07 | 1.26E-04 |
| 1.79E-06 | 1.10E-04 |
| 1.31E-07 | 1.26E-04 |
| 0.00E+00 | 1.09E-04 |
| 0.00E+00 | 7.54E-06 |
| 0.00E+00 | 1.09E-04 |
| 0.00E+00 | 1.09E-04 |
| 0.00E+00 | 7.54E-06 |
| 0.00E+00 | 7.54E-06 |
| 8.67E-06 | 1.52E-04 |
| 9.34E-06 | 1.35E-04 |
| 2.30E-06 | 1.46E-04 |
| 6.62E-06 | 1.33E-04 |
| 4.66E-08 | 9.10E-05 |
| 0.00E+00 | 9.09E-05 |
| 1.38E-04 | 1.45E-03 |
| 0.00E+00 | 1.26E-04 |

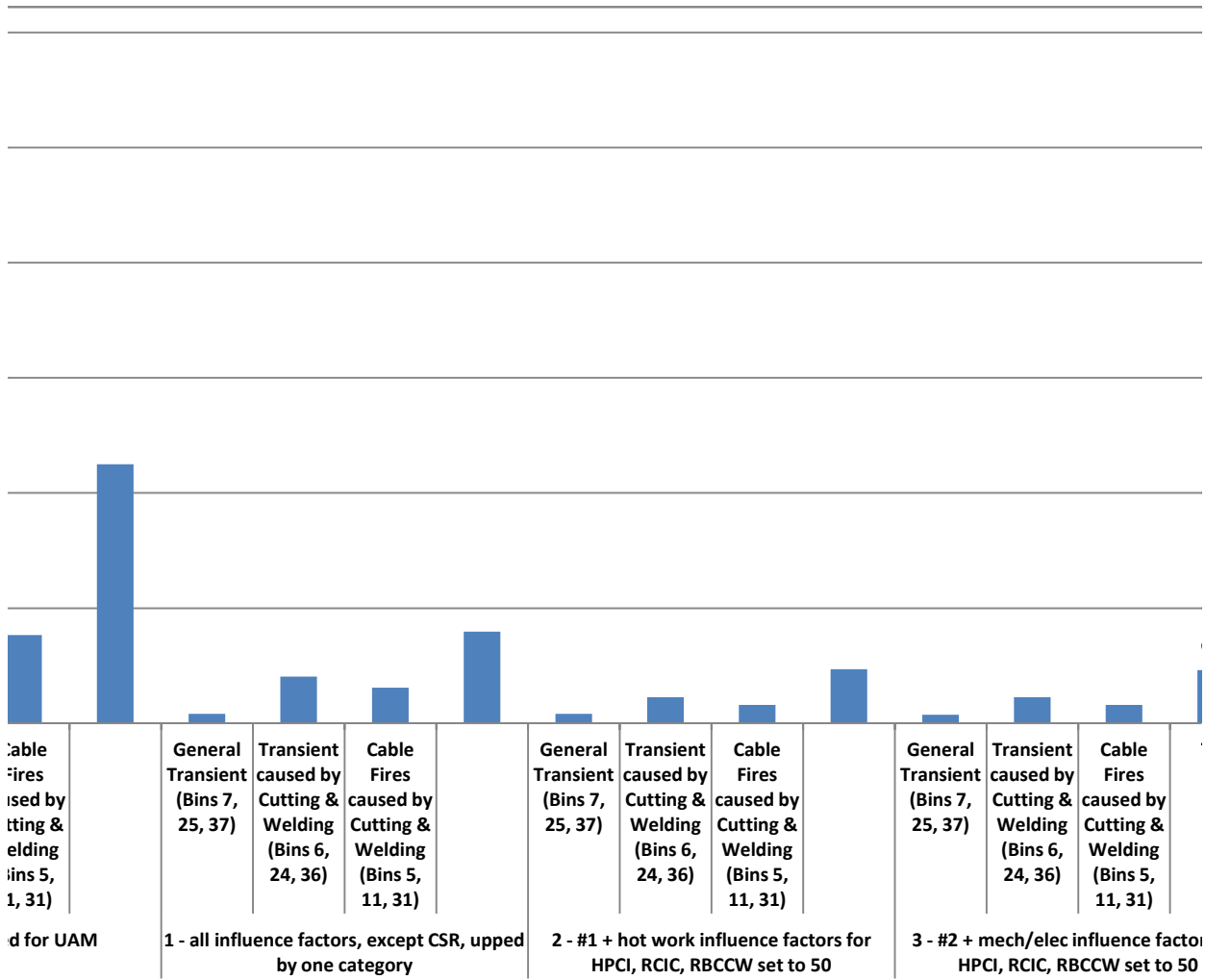


| | |
|----------|----------|
| 3.74E-08 | 1.26E-04 |
| 7.94E-07 | 9.17E-05 |
| 5.13E-08 | 1.26E-04 |
| 9.34E-09 | 1.44E-04 |
| 9.19E-07 | 1.09E-04 |
| 4.21E-08 | 1.26E-04 |
| 3.54E-07 | 1.09E-04 |
| 0.00E+00 | 9.09E-05 |
| 1.40E-08 | 1.09E-04 |
| 4.13E-07 | 2.45E-04 |
| 0.00E+00 | 2.44E-04 |
| 0.00E+00 | 2.44E-04 |
| 0.00E+00 | 2.44E-04 |
| 3.81E-06 | 2.48E-04 |
| 4.48E-06 | 2.49E-04 |
| 0.00E+00 | 9.09E-05 |
| 1.59E-05 | 4.63E-05 |
| 1.89E-05 | 2.63E-04 |
| 1.40E-08 | 1.26E-04 |
| | |
| 1.48E-04 | 1.50E-03 |
| 3.57E-05 | 7.23E-04 |
| 1.60E-05 | 6.10E-04 |
| 0.00E+00 | 4.02E-05 |
| 2.99E-05 | 7.17E-04 |
| 6.18E-05 | 4.68E-04 |
| 0.00E+00 | 4.06E-04 |
| 0.00E+00 | 5.94E-04 |
| 0.00E+00 | 5.00E-04 |
| 8.65E-05 | 7.74E-04 |
| 2.31E-05 | 7.10E-04 |
| 1.09E-05 | 6.05E-04 |
| 3.02E-05 | 7.18E-04 |
| 1.86E-06 | 1.36E-03 |
| 0.00E+00 | 6.87E-04 |
| 0.00E+00 | 4.06E-04 |
| 0.00E+00 | 6.87E-04 |
| 0.00E+00 | 4.06E-04 |
| 0.00E+00 | 4.06E-04 |
| 5.86E-06 | 6.00E-04 |
| 0.00E+00 | 4.02E-05 |
| 0.00E+00 | 5.94E-04 |

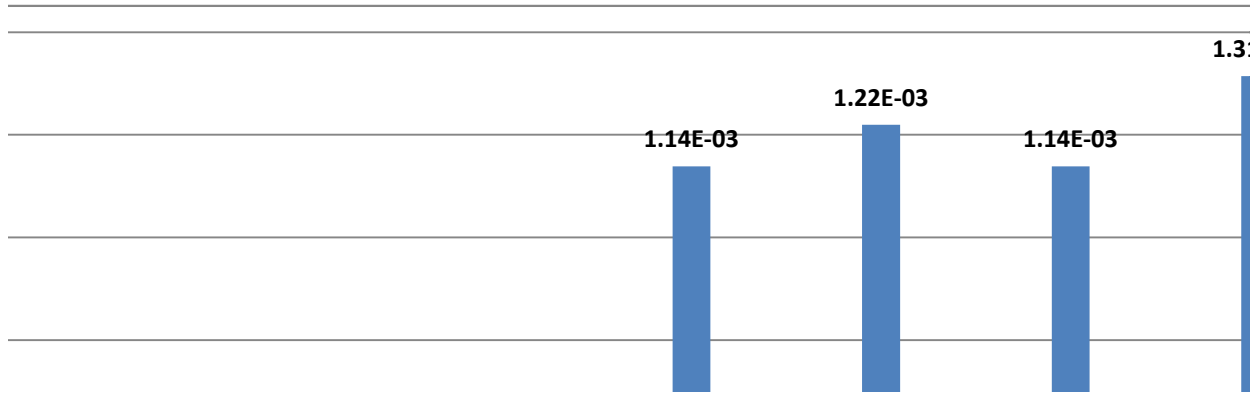


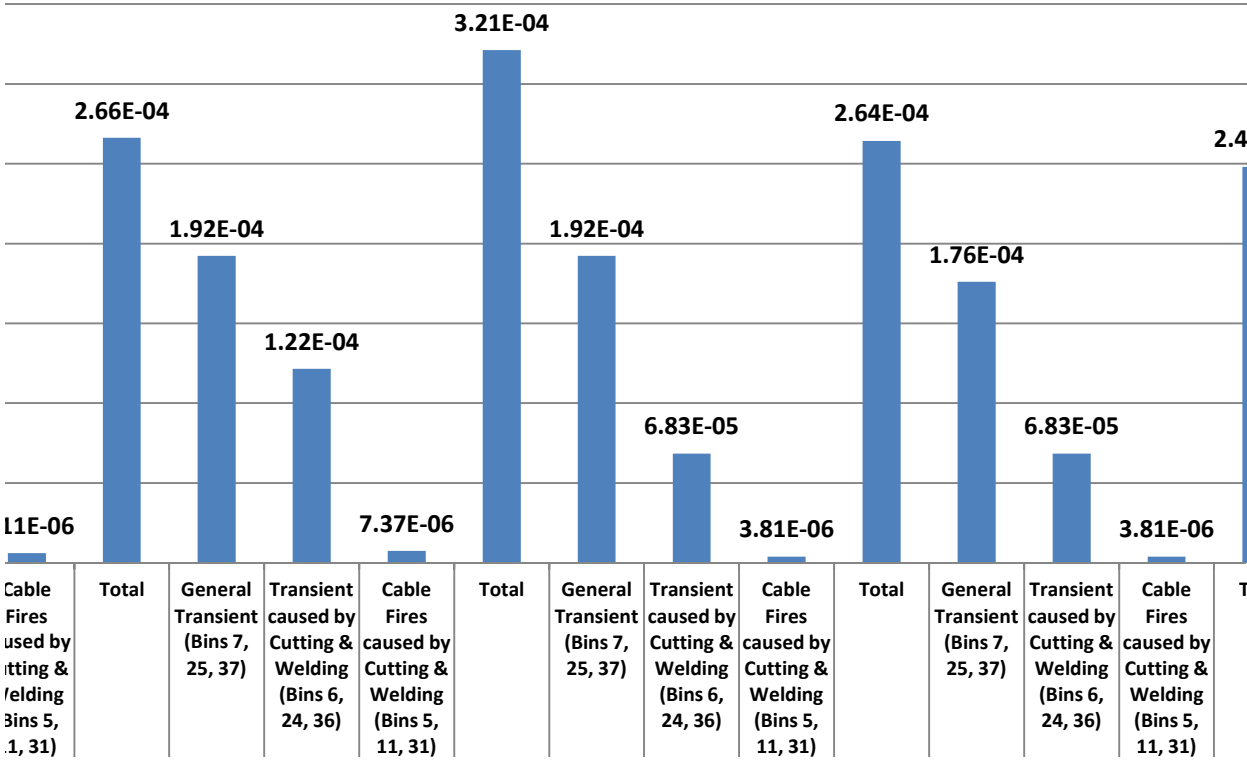
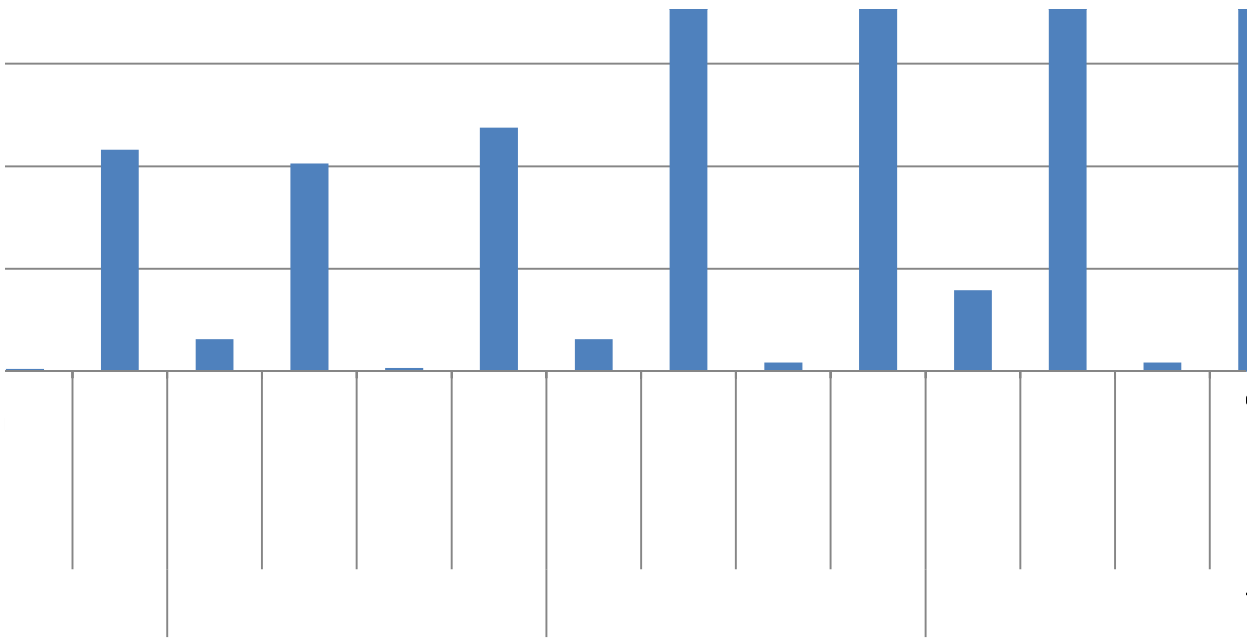
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|----------|----------|
| | |
| 1.64E-05 | 2.48E-04 |
| 1.06E-05 | 2.42E-04 |
| 1.97E-05 | 3.20E-04 |
| 3.15E-05 | 4.01E-04 |
| 0.00E+00 | 3.00E-04 |
| 3.73E-06 | 1.66E-04 |
| 2.03E-05 | 2.52E-04 |
| 1.30E-05 | 2.44E-04 |
| 6.57E-06 | 3.76E-04 |
| 6.96E-06 | 3.76E-04 |
| 2.14E-05 | 3.91E-04 |
| 0.00E+00 | 7.64E-04 |
| 0.00E+00 | 3.00E-04 |
| 6.24E-06 | 1.69E-04 |
| 0.00E+00 | 2.02E-04 |
| 0.00E+00 | 3.69E-04 |
| 0.00E+00 | 3.69E-04 |
| 2.20E-06 | 3.72E-04 |
| 2.20E-06 | 3.72E-04 |
| 0.00E+00 | 5.42E-04 |
| 1.55E-04 | 6.97E-04 |
| 1.55E-04 | 6.97E-04 |
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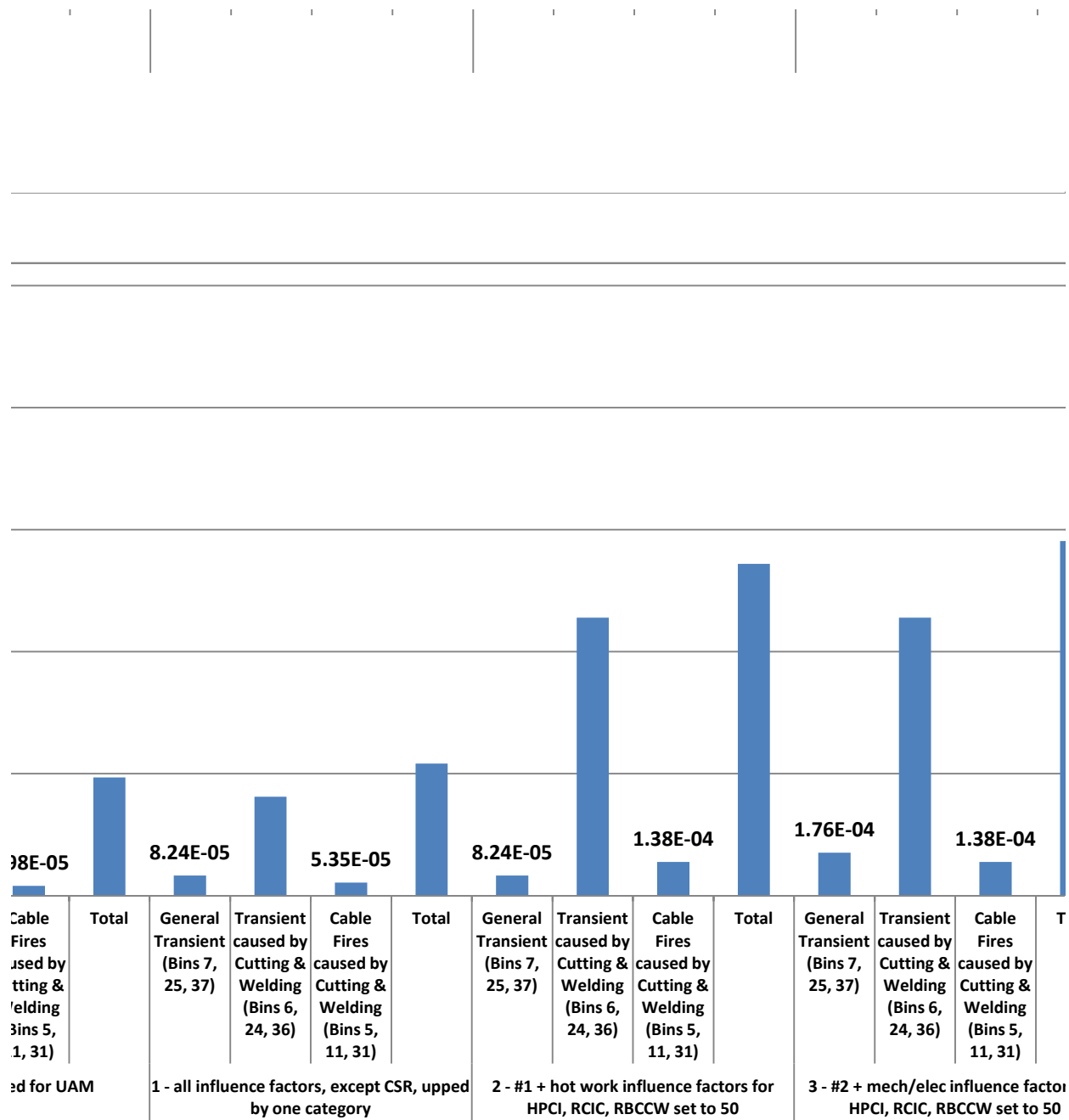




PAU 11A - Cable Spreading Room







PAU 04A - RBCCW Heat Exchanger/Chillers

