

**Seismic data to support public meeting with
Dominion regarding NRC staff evaluation of
seismic risk at V.C. Summer Generating Station.**

Table 1 GMRS and UHRS for Summer

| Frequency (Hz) | UHRS 1E-4 (g) | GMRS (g) | UHRS 1E-5 (g) |
|-----------------------|----------------------|-----------------|----------------------|
| 0.100 | 0.010393 | 0.011400 | 0.022166 |
| 0.133 | 0.014814 | 0.016600 | 0.032301 |
| 0.200 | 0.024351 | 0.027200 | 0.053002 |
| 0.250 | 0.032217 | 0.036000 | 0.070069 |
| 0.333 | 0.046749 | 0.053600 | 0.104969 |
| 0.500 | 0.075534 | 0.088500 | 0.174311 |
| 0.667 | 0.099759 | 0.118200 | 0.233517 |
| 1.000 | 0.139904 | 0.171000 | 0.340474 |
| 1.333 | 0.176104 | 0.216400 | 0.431340 |
| 2.000 | 0.232316 | 0.287400 | 0.574054 |
| 2.500 | 0.279711 | 0.347600 | 0.694912 |
| 3.333 | 0.351728 | 0.439200 | 0.879098 |
| 4.000 | 0.407119 | 0.512300 | 1.027593 |
| 5.000 | 0.460551 | 0.576500 | 1.154844 |
| 6.667 | 0.555101 | 0.697000 | 1.397110 |
| 10.000 | 0.680901 | 0.881300 | 1.780175 |
| 13.333 | 0.706396 | 0.951900 | 1.942059 |
| 20.000 | 0.649357 | 0.920500 | 1.902157 |
| 25.000 | 0.591304 | 0.853100 | 1.770523 |
| 33.333 | 0.505417 | 0.745200 | 1.554968 |
| 40.000 | 0.457539 | 0.682000 | 1.427137 |
| 50.000 | 0.399905 | 0.599700 | 1.256728 |
| 100.000 | 0.280781 | 0.425200 | 0.893201 |
| PGA | 0.251260 | 0.374200 | 0.782801 |

Table A-1 Control Point Total Mean Hazard Curves for F=0.100 to 1.000 Hz

| SA(g) | F0.100Hz | F0.133Hz | F0.200Hz | F0.250Hz | F0.333Hz | F0.500Hz | F0.667Hz | F1.000Hz |
|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 0.00100 | 3.28009E-03 | 4.13911E-03 | 5.36478E-03 | 6.33062E-03 | 7.81626E-03 | 1.21837E-02 | 1.63253E-02 | 2.44156E-02 |
| 0.00126 | 2.76783E-03 | 3.62802E-03 | 4.81956E-03 | 5.71168E-03 | 7.01474E-03 | 1.06772E-02 | 1.41483E-02 | 2.13275E-02 |
| 0.00158 | 2.34382E-03 | 3.18874E-03 | 4.33940E-03 | 5.16426E-03 | 6.30956E-03 | 9.38275E-03 | 1.22981E-02 | 1.86824E-02 |
| 0.00200 | 1.97109E-03 | 2.78766E-03 | 3.89007E-03 | 4.64980E-03 | 5.65033E-03 | 8.20101E-03 | 1.06277E-02 | 1.62754E-02 |
| 0.00251 | 1.52832E-03 | 2.30203E-03 | 3.38016E-03 | 4.11520E-03 | 5.05387E-03 | 7.26225E-03 | 9.26133E-03 | 1.40149E-02 |
| 0.00316 | 1.15162E-03 | 1.85793E-03 | 2.89430E-03 | 3.60194E-03 | 4.48831E-03 | 6.41578E-03 | 8.05824E-03 | 1.20307E-02 |
| 0.00398 | 7.95767E-04 | 1.39806E-03 | 2.37149E-03 | 3.05187E-03 | 3.90956E-03 | 5.65357E-03 | 7.01865E-03 | 1.02878E-02 |
| 0.00501 | 5.49597E-04 | 1.05134E-03 | 1.94201E-03 | 2.58461E-03 | 3.40452E-03 | 4.98194E-03 | 6.11417E-03 | 8.79997E-03 |
| 0.00631 | 3.23433E-04 | 6.78991E-04 | 1.40973E-03 | 1.98294E-03 | 2.76550E-03 | 4.24155E-03 | 5.22164E-03 | 7.45809E-03 |
| 0.00794 | 1.90741E-04 | 4.39284E-04 | 1.02466E-03 | 1.52295E-03 | 2.24829E-03 | 3.61351E-03 | 4.46222E-03 | 6.32501E-03 |
| 0.01000 | 1.12257E-04 | 2.83721E-04 | 7.43841E-04 | 1.16847E-03 | 1.82633E-03 | 3.07654E-03 | 3.81091E-03 | 5.36063E-03 |
| 0.01260 | 5.61613E-05 | 1.53659E-04 | 4.54553E-04 | 7.62794E-04 | 1.29965E-03 | 2.38192E-03 | 3.02968E-03 | 4.35056E-03 |
| 0.01580 | 2.85041E-05 | 8.42856E-05 | 2.80627E-04 | 5.02393E-04 | 9.31414E-04 | 1.85395E-03 | 2.42009E-03 | 3.54615E-03 |
| 0.02000 | 1.40647E-05 | 4.50927E-05 | 1.69812E-04 | 3.25192E-04 | 6.58328E-04 | 1.42805E-03 | 1.91519E-03 | 2.86600E-03 |
| 0.02510 | 6.62081E-06 | 2.22294E-05 | 9.21777E-05 | 1.87990E-04 | 4.18352E-04 | 1.00066E-03 | 1.40228E-03 | 2.18830E-03 |
| 0.03160 | 3.07553E-06 | 1.07501E-05 | 4.87239E-05 | 1.05600E-04 | 2.58396E-04 | 6.83280E-04 | 1.00375E-03 | 1.63930E-03 |
| 0.03980 | 1.41286E-06 | 5.02695E-06 | 2.41730E-05 | 5.51102E-05 | 1.47764E-04 | 4.33876E-04 | 6.74248E-04 | 1.16440E-03 |
| 0.05010 | 6.50325E-07 | 2.35502E-06 | 1.20079E-05 | 2.87867E-05 | 8.45366E-05 | 2.75533E-04 | 4.52920E-04 | 8.27067E-04 |
| 0.06310 | 3.01861E-07 | 1.10142E-06 | 5.67347E-06 | 1.39124E-05 | 4.35924E-05 | 1.55895E-04 | 2.73073E-04 | 5.33723E-04 |
| 0.07940 | 1.40546E-07 | 5.16695E-07 | 2.68863E-06 | 6.74333E-06 | 2.25386E-05 | 8.84062E-05 | 1.64974E-04 | 3.45025E-04 |
| 0.10000 | 6.52432E-08 | 2.41677E-07 | 1.27043E-06 | 3.25929E-06 | 1.16233E-05 | 5.00234E-05 | 9.94716E-05 | 2.22663E-04 |
| 0.12600 | 2.94152E-08 | 1.12785E-07 | 6.01562E-07 | 1.54886E-06 | 5.67566E-06 | 2.56080E-05 | 5.36977E-05 | 1.28343E-04 |
| 0.15800 | 1.34832E-08 | 5.34741E-08 | 2.89301E-07 | 7.47496E-07 | 2.81298E-06 | 1.32928E-05 | 2.93611E-05 | 7.48278E-05 |
| 0.20000 | 5.98310E-09 | 2.45787E-08 | 1.34959E-07 | 3.49987E-07 | 1.35407E-06 | 6.71456E-06 | 1.56562E-05 | 4.26592E-05 |
| 0.25100 | 2.59840E-09 | 1.11501E-08 | 6.41824E-08 | 1.69355E-07 | 6.72694E-07 | 3.37094E-06 | 8.11476E-06 | 2.31301E-05 |
| 0.31600 | 1.10417E-09 | 4.94944E-09 | 2.99464E-08 | 8.07021E-08 | 3.30793E-07 | 1.67677E-06 | 4.15794E-06 | 1.23491E-05 |
| 0.39800 | 4.52377E-10 | 2.11410E-09 | 1.35390E-08 | 3.77165E-08 | 1.62177E-07 | 8.33956E-07 | 2.11073E-06 | 6.43021E-06 |
| 0.50100 | 1.85627E-10 | 9.04368E-10 | 6.12945E-09 | 1.76500E-08 | 7.96132E-08 | 4.15428E-07 | 1.07317E-06 | 3.35304E-06 |
| 0.63100 | 7.10342E-11 | 3.62429E-10 | 2.60000E-09 | 7.76398E-09 | 3.72090E-08 | 2.04025E-07 | 5.40914E-07 | 1.71812E-06 |
| 0.79400 | 2.72874E-11 | 1.45777E-10 | 1.10666E-09 | 3.42649E-09 | 1.74434E-08 | 1.00486E-07 | 2.73386E-07 | 8.82736E-07 |

Table A-1 Control Point Total Mean Hazard Curves for F=0.100 to 1.000 Hz

| SA(g) | F0.100Hz | F0.133Hz | F0.200Hz | F0.250Hz | F0.333Hz | F0.500Hz | F0.667Hz | F1.000Hz |
|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 1.00000 | 1.04434E-11 | 5.84272E-11 | 4.69473E-10 | 1.50741E-09 | 8.15334E-09 | 4.93550E-08 | 1.37807E-07 | 4.52358E-07 |
| 1.26000 | 3.58674E-12 | 2.13530E-11 | 1.83597E-10 | 6.12001E-10 | 3.50794E-09 | 2.27739E-08 | 6.61661E-08 | 2.23747E-07 |
| 1.58000 | 1.25949E-12 | 7.96853E-12 | 7.32126E-11 | 2.53164E-10 | 1.53594E-09 | 1.06786E-08 | 3.22564E-08 | 1.12300E-07 |
| 2.00000 | 4.23444E-13 | 2.85431E-12 | 2.81000E-11 | 1.00952E-10 | 6.49804E-10 | 4.85199E-09 | 1.52624E-08 | 5.47713E-08 |
| 2.51000 | 1.32412E-13 | 9.66422E-13 | 1.03615E-11 | 3.87933E-11 | 2.64541E-10 | 2.12792E-09 | 6.99002E-09 | 2.60951E-08 |
| 3.16000 | 3.96942E-14 | 3.14995E-13 | 3.70069E-12 | 1.44773E-11 | 1.04763E-10 | 9.09517E-10 | 3.12448E-09 | 1.21611E-08 |
| 3.98000 | 1.08552E-14 | 9.46615E-14 | 1.23983E-12 | 5.10449E-12 | 3.93175E-11 | 3.69520E-10 | 1.33148E-09 | 5.43475E-09 |
| 5.01000 | 2.97350E-15 | 2.84911E-14 | 4.15992E-13 | 1.80247E-12 | 1.47777E-11 | 1.50331E-10 | 5.68115E-10 | 2.43173E-09 |
| 6.31000 | 6.87024E-16 | 7.31539E-15 | 1.22002E-13 | 5.65491E-13 | 5.01046E-12 | 5.55339E-11 | 2.20696E-10 | 1.00000E-09 |
| 7.94000 | 1.59669E-16 | 1.88854E-15 | 3.59566E-14 | 1.78236E-13 | 1.70619E-12 | 2.05966E-11 | 8.60586E-11 | 4.12695E-10 |
| 10.00000 | 3.68979E-17 | 4.84983E-16 | 1.05469E-14 | 5.59260E-14 | 5.78568E-13 | 7.60951E-12 | 3.34351E-11 | 1.69731E-10 |

Table A-2 Control Point Total Mean Hazard Curves for F=1.333 to 10.000 Hz

| SA(g) | F1.333Hz | F2.000Hz | F2.500Hz | F3.333Hz | F4.000Hz | F5.000Hz | F6.667Hz | F10.000Hz |
|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| 0.00100 | 2.97600E-02 | 3.48493E-02 | 3.62723E-02 | 3.75224E-02 | 3.77930E-02 | 3.81645E-02 | 3.82202E-02 | 3.77313E-02 |
| 0.00126 | 2.65506E-02 | 3.21114E-02 | 3.38195E-02 | 3.53947E-02 | 3.57773E-02 | 3.63123E-02 | 3.64411E-02 | 3.59214E-02 |
| 0.00158 | 2.37435E-02 | 2.96389E-02 | 3.15785E-02 | 3.34282E-02 | 3.39076E-02 | 3.45857E-02 | 3.47792E-02 | 3.42332E-02 |
| 0.00200 | 2.11348E-02 | 2.72658E-02 | 2.94020E-02 | 3.14960E-02 | 3.20640E-02 | 3.28745E-02 | 3.31287E-02 | 3.25592E-02 |
| 0.00251 | 1.83447E-02 | 2.42503E-02 | 2.64580E-02 | 2.87093E-02 | 2.93694E-02 | 3.03214E-02 | 3.06797E-02 | 3.01801E-02 |
| 0.00316 | 1.58370E-02 | 2.13995E-02 | 2.36122E-02 | 2.59493E-02 | 2.66784E-02 | 2.77417E-02 | 2.81938E-02 | 2.77761E-02 |
| 0.00398 | 1.35072E-02 | 1.84798E-02 | 2.05792E-02 | 2.28808E-02 | 2.36454E-02 | 2.47780E-02 | 2.53207E-02 | 2.50312E-02 |
| 0.00501 | 1.15233E-02 | 1.59602E-02 | 1.79364E-02 | 2.01743E-02 | 2.09557E-02 | 2.21287E-02 | 2.27380E-02 | 2.25556E-02 |
| 0.00631 | 9.69875E-03 | 1.33993E-02 | 1.51075E-02 | 1.70948E-02 | 1.78182E-02 | 1.89352E-02 | 1.95730E-02 | 1.95529E-02 |
| 0.00794 | 8.16871E-03 | 1.12572E-02 | 1.27335E-02 | 1.44950E-02 | 1.51602E-02 | 1.62126E-02 | 1.68587E-02 | 1.69597E-02 |
| 0.01000 | 6.87544E-03 | 9.45107E-03 | 1.07255E-02 | 1.22826E-02 | 1.28907E-02 | 1.38731E-02 | 1.45124E-02 | 1.47022E-02 |
| 0.01260 | 5.59934E-03 | 7.66580E-03 | 8.69878E-03 | 9.96405E-03 | 1.04737E-02 | 1.13152E-02 | 1.19210E-02 | 1.22217E-02 |
| 0.01580 | 4.57957E-03 | 6.24485E-03 | 7.08579E-03 | 8.11832E-03 | 8.54675E-03 | 9.26810E-03 | 9.83240E-03 | 1.01988E-02 |
| 0.02000 | 3.71435E-03 | 5.04411E-03 | 5.72288E-03 | 6.55840E-03 | 6.91559E-03 | 7.52859E-03 | 8.04505E-03 | 8.44690E-03 |
| 0.02510 | 2.88090E-03 | 3.94078E-03 | 4.49628E-03 | 5.17424E-03 | 5.48415E-03 | 6.00598E-03 | 6.49472E-03 | 6.91526E-03 |

Table A-2 Control Point Total Mean Hazard Curves for F=1.333 to 10.000 Hz

| SA(g) | F1.333Hz | F2.000Hz | F2.500Hz | F3.333Hz | F4.000Hz | F5.000Hz | F6.667Hz | F10.000Hz |
|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| 0.03160 | 2.19740E-03 | 3.03781E-03 | 3.49461E-03 | 4.04965E-03 | 4.32206E-03 | 4.76765E-03 | 5.22432E-03 | 5.64124E-03 |
| 0.03980 | 1.60091E-03 | 2.26175E-03 | 2.64612E-03 | 3.11708E-03 | 3.36987E-03 | 3.75954E-03 | 4.19169E-03 | 4.58792E-03 |
| 0.05010 | 1.16637E-03 | 1.68416E-03 | 2.00409E-03 | 2.40011E-03 | 2.62849E-03 | 2.96578E-03 | 3.36457E-03 | 3.73278E-03 |
| 0.06310 | 7.80127E-04 | 1.17225E-03 | 1.44093E-03 | 1.78792E-03 | 2.00140E-03 | 2.29256E-03 | 2.66382E-03 | 3.00374E-03 |
| 0.07940 | 5.22628E-04 | 8.17128E-04 | 1.03739E-03 | 1.33346E-03 | 1.52558E-03 | 1.77398E-03 | 2.11098E-03 | 2.41919E-03 |
| 0.10000 | 3.49578E-04 | 5.68786E-04 | 7.45904E-04 | 9.93374E-04 | 1.16166E-03 | 1.37134E-03 | 1.67136E-03 | 1.94675E-03 |
| 0.12600 | 2.09684E-04 | 3.58382E-04 | 4.89382E-04 | 6.84061E-04 | 8.23498E-04 | 9.87571E-04 | 1.24215E-03 | 1.49067E-03 |
| 0.15800 | 1.27114E-04 | 2.27986E-04 | 3.23901E-04 | 4.74724E-04 | 5.87963E-04 | 7.16066E-04 | 9.28865E-04 | 1.14777E-03 |
| 0.20000 | 7.54722E-05 | 1.42333E-04 | 2.10730E-04 | 3.24482E-04 | 4.13956E-04 | 5.12310E-04 | 6.86253E-04 | 8.74205E-04 |
| 0.25100 | 4.23115E-05 | 8.33354E-05 | 1.27794E-04 | 2.06297E-04 | 2.71582E-04 | 3.41172E-04 | 4.72434E-04 | 6.27582E-04 |
| 0.31600 | 2.33202E-05 | 4.78599E-05 | 7.58637E-05 | 1.28168E-04 | 1.74102E-04 | 2.22113E-04 | 3.17950E-04 | 4.41229E-04 |
| 0.39800 | 1.24479E-05 | 2.63605E-05 | 4.28226E-05 | 7.51000E-05 | 1.05090E-04 | 1.36280E-04 | 2.01360E-04 | 2.93150E-04 |
| 0.50100 | 6.65314E-06 | 1.45351E-05 | 2.41945E-05 | 4.40334E-05 | 6.34627E-05 | 8.36514E-05 | 1.27563E-04 | 1.94802E-04 |
| 0.63100 | 3.46882E-06 | 7.71155E-06 | 1.29763E-05 | 2.39689E-05 | 3.51409E-05 | 4.70793E-05 | 7.37687E-05 | 1.17989E-04 |
| 0.79400 | 1.81329E-06 | 4.10172E-06 | 6.97699E-06 | 1.30788E-05 | 1.95045E-05 | 2.65573E-05 | 4.27535E-05 | 7.16072E-05 |
| 1.00000 | 9.45489E-07 | 2.17633E-06 | 3.74227E-06 | 7.11976E-06 | 1.08009E-05 | 1.49476E-05 | 2.47258E-05 | 4.33740E-05 |
| 1.26000 | 4.76574E-07 | 1.11479E-06 | 1.93389E-06 | 3.68763E-06 | 5.61501E-06 | 7.84019E-06 | 1.32263E-05 | 2.40916E-05 |
| 1.58000 | 2.43659E-07 | 5.79015E-07 | 1.01317E-06 | 1.93625E-06 | 2.95896E-06 | 4.16774E-06 | 7.16756E-06 | 1.35458E-05 |
| 2.00000 | 1.21149E-07 | 2.92658E-07 | 5.16722E-07 | 9.89788E-07 | 1.51831E-06 | 2.15807E-06 | 3.78652E-06 | 7.43612E-06 |
| 2.51000 | 5.89780E-08 | 1.45111E-07 | 2.59326E-07 | 4.98841E-07 | 7.66768E-07 | 1.09536E-06 | 1.95446E-06 | 3.96121E-06 |
| 3.16000 | 2.81076E-08 | 7.04748E-08 | 1.27535E-07 | 2.46494E-07 | 3.79723E-07 | 5.45075E-07 | 9.89517E-07 | 2.07141E-06 |
| 3.98000 | 1.28687E-08 | 3.29136E-08 | 6.03765E-08 | 1.17438E-07 | 1.81403E-07 | 2.61407E-07 | 4.83215E-07 | 1.04616E-06 |
| 5.01000 | 5.89885E-09 | 1.53899E-08 | 2.86168E-08 | 5.60187E-08 | 8.67651E-08 | 1.25512E-07 | 2.36235E-07 | 5.28922E-07 |
| 6.31000 | 2.49628E-09 | 6.67335E-09 | 1.26149E-08 | 2.49329E-08 | 3.87615E-08 | 5.61937E-08 | 1.07575E-07 | 2.49836E-07 |
| 7.94000 | 1.06001E-09 | 2.90338E-09 | 5.57914E-09 | 1.11331E-08 | 1.73722E-08 | 2.52396E-08 | 4.91405E-08 | 1.18364E-07 |
| 10.00000 | 4.48623E-10 | 1.25909E-09 | 2.45964E-09 | 4.95561E-09 | 7.76162E-09 | 1.13012E-08 | 2.23792E-08 | 5.59141E-08 |

Table A-3 Control Point Total Mean Hazard Curves for F=13.333 to 100.000 Hz and PGA

| SA(g) | F13.333Hz | F20.000Hz | F25.000Hz | F33.333Hz | F40.000Hz | F50.000Hz | F100.000Hz | PGA |
|--------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------|
| 0.00100 | 3.72074E-02 | 3.65853E-02 | 3.61238E-02 | 3.55185E-02 | 3.51004E-02 | 3.43948E-02 | 3.28472E-02 | 3.25880E-02 |
| 0.00126 | 3.53541E-02 | 3.46568E-02 | 3.41121E-02 | 3.33820E-02 | 3.28793E-02 | 3.20517E-02 | 3.02183E-02 | 2.99188E-02 |
| 0.00158 | 3.36288E-02 | 3.28670E-02 | 3.22508E-02 | 3.14145E-02 | 3.08406E-02 | 2.99120E-02 | 2.78479E-02 | 2.75170E-02 |
| 0.00200 | 3.19212E-02 | 3.11009E-02 | 3.04200E-02 | 2.94884E-02 | 2.88515E-02 | 2.78350E-02 | 2.55765E-02 | 2.52201E-02 |
| 0.00251 | 2.95757E-02 | 2.87593E-02 | 2.80408E-02 | 2.70369E-02 | 2.63523E-02 | 2.52749E-02 | 2.28829E-02 | 2.24950E-02 |
| 0.00316 | 2.72177E-02 | 2.64237E-02 | 2.56821E-02 | 2.46263E-02 | 2.39083E-02 | 2.27922E-02 | 2.03233E-02 | 1.99108E-02 |
| 0.00398 | 2.45575E-02 | 2.38322E-02 | 2.30932E-02 | 2.20146E-02 | 2.12834E-02 | 2.01600E-02 | 1.76904E-02 | 1.72542E-02 |
| 0.00501 | 2.21559E-02 | 2.14940E-02 | 2.07646E-02 | 1.96794E-02 | 1.89463E-02 | 1.78316E-02 | 1.53989E-02 | 1.49523E-02 |
| 0.00631 | 1.92800E-02 | 1.87425E-02 | 1.80552E-02 | 1.70027E-02 | 1.62943E-02 | 1.52330E-02 | 1.29324E-02 | 1.24788E-02 |
| 0.00794 | 1.67868E-02 | 1.63522E-02 | 1.57082E-02 | 1.46987E-02 | 1.40220E-02 | 1.30213E-02 | 1.08685E-02 | 1.04219E-02 |
| 0.01000 | 1.46081E-02 | 1.42591E-02 | 1.36589E-02 | 1.26997E-02 | 1.20596E-02 | 1.11239E-02 | 9.12780E-03 | 8.69801E-03 |
| 0.01260 | 1.22342E-02 | 1.19693E-02 | 1.14283E-02 | 1.05518E-02 | 9.96597E-03 | 9.12381E-03 | 7.33308E-03 | 6.93609E-03 |
| 0.01580 | 1.02839E-02 | 1.00838E-02 | 9.59747E-03 | 8.80104E-03 | 8.26851E-03 | 7.51416E-03 | 5.91807E-03 | 5.55714E-03 |
| 0.02000 | 8.58228E-03 | 8.43497E-03 | 8.00164E-03 | 7.28559E-03 | 6.80712E-03 | 6.13876E-03 | 4.73373E-03 | 4.41149E-03 |
| 0.02510 | 7.08252E-03 | 6.94635E-03 | 6.56082E-03 | 5.92756E-03 | 5.50516E-03 | 4.92179E-03 | 3.69711E-03 | 3.41908E-03 |
| 0.03160 | 5.81982E-03 | 5.68608E-03 | 5.34443E-03 | 4.78779E-03 | 4.41822E-03 | 3.91460E-03 | 2.85920E-03 | 2.62270E-03 |
| 0.03980 | 4.75387E-03 | 4.59979E-03 | 4.29579E-03 | 3.80772E-03 | 3.48743E-03 | 3.05976E-03 | 2.16193E-03 | 1.96441E-03 |
| 0.05010 | 3.88446E-03 | 3.72206E-03 | 3.45380E-03 | 3.02895E-03 | 2.75334E-03 | 2.39215E-03 | 1.63509E-03 | 1.47170E-03 |
| 0.06310 | 3.11747E-03 | 2.92979E-03 | 2.69136E-03 | 2.31966E-03 | 2.08674E-03 | 1.79251E-03 | 1.17647E-03 | 1.04501E-03 |
| 0.07940 | 2.50413E-03 | 2.30836E-03 | 2.09932E-03 | 1.77835E-03 | 1.58329E-03 | 1.34473E-03 | 8.47592E-04 | 7.43043E-04 |
| 0.10000 | 2.00975E-03 | 1.81706E-03 | 1.63594E-03 | 1.36196E-03 | 1.20001E-03 | 1.00768E-03 | 6.09875E-04 | 5.27634E-04 |
| 0.12600 | 1.53126E-03 | 1.35532E-03 | 1.20374E-03 | 9.78929E-04 | 8.52865E-04 | 7.06629E-04 | 4.11842E-04 | 3.50684E-04 |
| 0.15800 | 1.17329E-03 | 1.01709E-03 | 8.91381E-04 | 7.08461E-04 | 6.10457E-04 | 4.99184E-04 | 2.80389E-04 | 2.35062E-04 |
| 0.20000 | 8.89112E-04 | 7.54212E-04 | 6.51884E-04 | 5.05873E-04 | 4.30916E-04 | 3.47579E-04 | 1.87866E-04 | 1.54962E-04 |
| 0.25100 | 6.38794E-04 | 5.34739E-04 | 4.56381E-04 | 3.47112E-04 | 2.93223E-04 | 2.33629E-04 | 1.23329E-04 | 1.00200E-04 |
| 0.31600 | 4.50477E-04 | 3.73067E-04 | 3.14642E-04 | 2.35002E-04 | 1.97054E-04 | 1.55217E-04 | 8.01723E-05 | 6.41722E-05 |
| 0.39800 | 3.02511E-04 | 2.50146E-04 | 2.09158E-04 | 1.54577E-04 | 1.29123E-04 | 1.00896E-04 | 5.13715E-05 | 4.05688E-05 |
| 0.50100 | 2.03204E-04 | 1.67800E-04 | 1.39113E-04 | 1.01746E-04 | 8.46731E-05 | 6.56372E-05 | 3.29435E-05 | 2.56690E-05 |
| 0.63100 | 1.26230E-04 | 1.05889E-04 | 8.78596E-05 | 6.45536E-05 | 5.37565E-05 | 4.14714E-05 | 2.04731E-05 | 1.57676E-05 |
| 0.79400 | 7.85632E-05 | 6.69442E-05 | 5.55915E-05 | 4.10310E-05 | 3.41905E-05 | 2.62509E-05 | 1.27474E-05 | 9.70440E-06 |

Table A-3 Control Point Total Mean Hazard Curves for F=13.333 to 100.000 Hz and PGA

| SA(g) | F13.333Hz | F20.000Hz | F25.000Hz | F33.333Hz | F40.000Hz | F50.000Hz | F100.000Hz | PGA |
|--------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------|
| 1.00000 | 4.88062E-05 | 4.22473E-05 | 3.51119E-05 | 2.60339E-05 | 2.17078E-05 | 1.65870E-05 | 7.92248E-06 | 5.96143E-06 |
| 1.26000 | 2.81031E-05 | 2.51690E-05 | 2.11246E-05 | 1.57759E-05 | 1.31185E-05 | 9.94258E-06 | 4.61374E-06 | 3.42504E-06 |
| 1.58000 | 1.63685E-05 | 1.51566E-05 | 1.28441E-05 | 9.65979E-06 | 8.01119E-06 | 6.02346E-06 | 2.71720E-06 | 1.99057E-06 |
| 2.00000 | 9.32194E-06 | 8.93680E-06 | 7.64955E-06 | 5.79541E-06 | 4.79296E-06 | 3.57391E-06 | 1.56541E-06 | 1.13107E-06 |
| 2.51000 | 5.15497E-06 | 5.15884E-06 | 4.45416E-06 | 3.36667E-06 | 2.75986E-06 | 2.03252E-06 | 8.55348E-07 | 6.07518E-07 |
| 3.16000 | 2.80001E-06 | 2.92724E-06 | 2.54637E-06 | 1.91573E-06 | 1.55451E-06 | 1.12956E-06 | 4.55724E-07 | 3.17985E-07 |
| 3.98000 | 1.46931E-06 | 1.60563E-06 | 1.40096E-06 | 1.04085E-06 | 8.32468E-07 | 5.95096E-07 | 2.28889E-07 | 1.56690E-07 |
| 5.01000 | 7.71776E-07 | 8.81428E-07 | 7.71350E-07 | 5.65892E-07 | 4.46098E-07 | 3.13735E-07 | 1.15053E-07 | 7.72773E-08 |
| 6.31000 | 3.78903E-07 | 4.49614E-07 | 3.91245E-07 | 2.80398E-07 | 2.16866E-07 | 1.49763E-07 | 5.23732E-08 | 3.45481E-08 |
| 7.94000 | 1.86552E-07 | 2.29964E-07 | 1.98987E-07 | 1.39327E-07 | 1.05731E-07 | 7.17013E-08 | 2.39158E-08 | 1.54951E-08 |
| 10.00000 | 9.15957E-08 | 1.17314E-07 | 1.00939E-07 | 6.90418E-08 | 5.14046E-08 | 3.42299E-08 | 1.08877E-08 | 6.92803E-09 |