
Appendix A

Tabulated Values of the
Amplification Factors

Appendix A

Table A-1a
 Mean and Fractile Seismic Hazard Curves for 100 Hz at Susquehanna

AMPS(g)	MEAN	0.05	0.16	0.50	0.84	0.95
0.0005	4.21E-02	1.62E-02	3.19E-02	4.25E-02	5.35E-02	6.09E-02
0.001	2.83E-02	9.51E-03	2.04E-02	2.76E-02	3.84E-02	4.56E-02
0.005	6.27E-03	2.10E-03	3.73E-03	5.58E-03	8.00E-03	1.51E-02
0.01	2.66E-03	8.72E-04	1.34E-03	2.25E-03	3.33E-03	7.89E-03
0.015	1.50E-03	4.77E-04	6.73E-04	1.18E-03	1.90E-03	5.05E-03
0.03	5.08E-04	1.23E-04	1.82E-04	3.23E-04	6.73E-04	2.07E-03
0.05	2.17E-04	3.79E-05	6.17E-05	1.25E-04	3.01E-04	9.65E-04
0.075	1.09E-04	1.51E-05	2.68E-05	6.00E-05	1.53E-04	4.90E-04
0.1	6.59E-05	8.12E-06	1.55E-05	3.68E-05	9.37E-05	2.88E-04
0.15	3.20E-05	3.57E-06	7.34E-06	1.84E-05	4.63E-05	1.29E-04
0.3	8.57E-06	8.60E-07	1.90E-06	5.27E-06	1.32E-05	2.88E-05
0.5	2.94E-06	2.42E-07	5.83E-07	1.79E-06	4.83E-06	9.51E-06
0.75	1.15E-06	7.23E-08	1.95E-07	6.73E-07	1.95E-06	3.84E-06
1.	5.62E-07	2.72E-08	8.12E-08	3.09E-07	9.51E-07	1.92E-06
1.5	1.86E-07	5.58E-09	1.90E-08	8.85E-08	3.19E-07	6.83E-07
3.	2.05E-08	2.53E-10	9.51E-10	6.54E-09	3.23E-08	8.85E-08
5.	2.99E-09	7.55E-11	1.31E-10	6.64E-10	4.25E-09	1.38E-08
7.5	5.24E-10	5.05E-11	8.00E-11	1.44E-10	6.93E-10	2.60E-09
10.	1.35E-10	5.05E-11	6.09E-11	1.11E-10	2.16E-10	7.34E-10

Table A-1b
 Mean and Fractile Seismic Hazard curves for 25 Hz at Susquehanna

AMPS(g)	MEAN	0.05	0.16	0.50	0.84	0.95
0.0005	4.76E-02	2.35E-02	3.95E-02	4.77E-02	5.75E-02	6.45E-02
0.001	3.50E-02	1.49E-02	2.72E-02	3.42E-02	4.43E-02	5.27E-02
0.005	1.02E-02	4.07E-03	6.54E-03	9.24E-03	1.29E-02	2.22E-02
0.01	5.16E-03	1.98E-03	3.05E-03	4.56E-03	6.36E-03	1.27E-02
0.015	3.28E-03	1.21E-03	1.84E-03	2.88E-03	4.07E-03	8.47E-03
0.03	1.33E-03	4.50E-04	6.54E-04	1.11E-03	1.72E-03	3.79E-03
0.05	6.18E-04	1.84E-04	2.72E-04	4.83E-04	8.35E-04	1.90E-03
0.075	3.19E-04	7.89E-05	1.23E-04	2.35E-04	4.50E-04	1.02E-03
0.1	1.96E-04	4.25E-05	6.93E-05	1.40E-04	2.84E-04	6.36E-04
0.15	9.81E-05	1.77E-05	3.09E-05	6.73E-05	1.46E-04	3.09E-04
0.3	2.92E-05	4.25E-06	8.47E-06	2.07E-05	4.56E-05	8.72E-05
0.5	1.15E-05	1.53E-06	3.23E-06	8.35E-06	1.87E-05	3.28E-05
0.75	5.22E-06	6.26E-07	1.38E-06	3.73E-06	8.72E-06	1.46E-05

Susquehanna SES Units 1 & 2
 Seismic Hazard and Screening Report
 Appendix A

AMPS(g)	MEAN	0.05	0.16	0.50	0.84	0.95
1.	2.87E-06	3.05E-07	7.03E-07	2.04E-06	4.90E-06	8.23E-06
1.5	1.16E-06	9.65E-08	2.46E-07	7.77E-07	2.04E-06	3.52E-06
3.	1.97E-07	8.47E-09	2.64E-08	1.08E-07	3.57E-07	6.93E-07
5.	4.27E-08	9.51E-10	3.52E-09	1.90E-08	7.55E-08	1.67E-07
7.5	1.09E-08	1.84E-10	5.91E-10	3.84E-09	1.87E-08	4.50E-08
10.	3.77E-09	1.02E-10	1.92E-10	1.11E-09	6.17E-09	1.62E-08

Table A-1c
 Mean and Fractile Seismic Hazard Curves for 10 Hz at Susquehanna

AMPS(g)	MEAN	0.05	0.16	0.50	0.84	0.95
0.0005	5.47E-02	4.01E-02	4.70E-02	5.42E-02	6.36E-02	7.03E-02
0.001	4.39E-02	2.68E-02	3.57E-02	4.37E-02	5.27E-02	6.00E-02
0.005	1.42E-02	6.45E-03	9.65E-03	1.34E-02	1.87E-02	2.49E-02
0.01	6.91E-03	2.96E-03	4.31E-03	6.54E-03	9.11E-03	1.34E-02
0.015	4.29E-03	1.79E-03	2.57E-03	4.01E-03	5.58E-03	8.85E-03
0.03	1.68E-03	6.73E-04	9.24E-04	1.53E-03	2.19E-03	3.90E-03
0.05	7.60E-04	2.84E-04	3.90E-04	6.54E-04	1.01E-03	1.92E-03
0.075	3.81E-04	1.27E-04	1.82E-04	3.09E-04	5.20E-04	1.04E-03
0.1	2.28E-04	6.73E-05	1.02E-04	1.79E-04	3.14E-04	6.36E-04
0.15	1.08E-04	2.60E-05	4.31E-05	8.35E-05	1.55E-04	3.09E-04
0.3	2.89E-05	5.05E-06	9.65E-06	2.19E-05	4.56E-05	8.00E-05
0.5	1.06E-05	1.57E-06	3.28E-06	7.89E-06	1.74E-05	2.84E-05
0.75	4.56E-06	6.09E-07	1.32E-06	3.37E-06	7.55E-06	1.23E-05
1.	2.42E-06	2.96E-07	6.54E-07	1.77E-06	4.13E-06	6.64E-06
1.5	9.28E-07	9.51E-08	2.25E-07	6.54E-07	1.60E-06	2.68E-06
3.	1.42E-07	9.11E-09	2.57E-08	8.85E-08	2.46E-07	4.63E-07
5.	2.79E-08	1.18E-09	3.63E-09	1.49E-08	4.77E-08	1.04E-07
7.5	6.49E-09	2.29E-10	6.26E-10	2.92E-09	1.08E-08	2.64E-08
10.	2.10E-09	1.11E-10	2.04E-10	8.47E-10	3.42E-09	8.98E-09

Table A-1d
 Mean and Fractile Seismic Hazard Curves for 5 Hz at Susquehanna

AMPS(g)	MEAN	0.05	0.16	0.50	0.84	0.95
0.0005	5.58E-02	4.13E-02	4.70E-02	5.50E-02	6.45E-02	7.13E-02
0.001	4.56E-02	2.76E-02	3.52E-02	4.56E-02	5.58E-02	6.26E-02
0.005	1.44E-02	5.83E-03	9.37E-03	1.38E-02	2.01E-02	2.39E-02
0.01	6.35E-03	2.42E-03	3.90E-03	5.91E-03	9.11E-03	1.13E-02
0.015	3.61E-03	1.36E-03	2.16E-03	3.33E-03	5.20E-03	6.64E-03
0.03	1.19E-03	4.50E-04	6.73E-04	1.08E-03	1.72E-03	2.35E-03
0.05	4.72E-04	1.72E-04	2.46E-04	4.19E-04	6.73E-04	1.01E-03

Susquehanna SES Units 1 & 2
 Seismic Hazard and Screening Report
 Appendix A

AMPS(g)	MEAN	0.05	0.16	0.50	0.84	0.95
0.075	2.15E-04	7.03E-05	1.05E-04	1.87E-04	3.14E-04	4.83E-04
0.1	1.21E-04	3.52E-05	5.50E-05	1.02E-04	1.79E-04	2.84E-04
0.15	5.27E-05	1.27E-05	2.16E-05	4.31E-05	8.12E-05	1.29E-04
0.3	1.25E-05	2.16E-06	4.19E-06	9.79E-06	2.04E-05	3.23E-05
0.5	4.15E-06	5.91E-07	1.23E-06	3.14E-06	6.93E-06	1.13E-05
0.75	1.65E-06	1.95E-07	4.37E-07	1.20E-06	2.84E-06	4.70E-06
1.	8.26E-07	8.23E-08	1.95E-07	5.75E-07	1.42E-06	2.42E-06
1.5	2.89E-07	2.16E-08	5.75E-08	1.87E-07	5.05E-07	9.11E-07
3.	3.75E-08	1.49E-09	4.70E-09	1.92E-08	6.45E-08	1.36E-07
5.	6.52E-09	2.01E-10	5.58E-10	2.64E-09	1.08E-08	2.60E-08
7.5	1.37E-09	8.98E-11	1.40E-10	4.83E-10	2.16E-09	5.91E-09
10.	4.13E-10	6.09E-11	1.01E-10	1.74E-10	6.45E-10	1.87E-09

Table A-1e
 Mean and Fractile Seismic Hazard Curves for 2.5 Hz at Susquehanna

AMPS(g)	MEAN	0.05	0.16	0.50	0.84	0.95
0.0005	5.12E-02	3.57E-02	4.13E-02	5.12E-02	6.09E-02	6.83E-02
0.001	3.89E-02	2.25E-02	2.84E-02	3.84E-02	4.98E-02	5.66E-02
0.005	9.63E-03	3.84E-03	6.00E-03	8.98E-03	1.36E-02	1.72E-02
0.01	3.56E-03	1.27E-03	2.07E-03	3.19E-03	5.20E-03	6.93E-03
0.015	1.78E-03	6.17E-04	9.93E-04	1.57E-03	2.64E-03	3.63E-03
0.03	4.59E-04	1.53E-04	2.32E-04	4.01E-04	6.93E-04	9.93E-04
0.05	1.52E-04	4.56E-05	7.03E-05	1.31E-04	2.32E-04	3.47E-04
0.075	6.06E-05	1.57E-05	2.57E-05	4.98E-05	9.51E-05	1.44E-04
0.1	3.12E-05	7.13E-06	1.21E-05	2.46E-05	4.98E-05	7.77E-05
0.15	1.22E-05	2.22E-06	4.13E-06	9.11E-06	2.01E-05	3.28E-05
0.3	2.45E-06	2.84E-07	6.09E-07	1.67E-06	4.19E-06	7.34E-06
0.5	7.35E-07	5.50E-08	1.38E-07	4.50E-07	1.29E-06	2.39E-06
0.75	2.69E-07	1.32E-08	3.79E-08	1.46E-07	4.70E-07	9.51E-07
1.	1.27E-07	4.37E-09	1.42E-08	6.17E-08	2.19E-07	4.70E-07
1.5	4.04E-08	8.47E-10	3.05E-09	1.64E-08	6.93E-08	1.62E-07
3.	4.40E-09	1.11E-10	2.07E-10	1.16E-09	6.83E-09	1.92E-08
5.	6.60E-10	6.00E-11	1.01E-10	1.77E-10	9.24E-10	3.01E-09
7.5	1.23E-10	5.05E-11	6.09E-11	1.11E-10	2.04E-10	6.09E-10
10.	3.40E-11	5.05E-11	5.12E-11	1.11E-10	1.15E-10	2.13E-10

Table A-1f
Mean and Fractile Seismic Hazard Curves for 1 Hz at Susquehanna

AMPS(g)	MEAN	0.05	0.16	0.50	0.84	0.95
0.0005	3.39E-02	1.60E-02	2.32E-02	3.42E-02	4.43E-02	5.12E-02
0.001	2.15E-02	8.60E-03	1.38E-02	2.13E-02	2.92E-02	3.57E-02
0.005	4.10E-03	1.04E-03	2.01E-03	3.68E-03	6.26E-03	8.72E-03
0.01	1.38E-03	2.72E-04	5.58E-04	1.15E-03	2.22E-03	3.42E-03
0.015	6.39E-04	1.10E-04	2.29E-04	5.05E-04	1.04E-03	1.74E-03
0.03	1.36E-04	1.90E-05	4.01E-05	9.65E-05	2.29E-04	4.07E-04
0.05	3.79E-05	4.50E-06	9.37E-06	2.42E-05	6.54E-05	1.15E-04
0.075	1.31E-05	1.32E-06	2.80E-06	7.77E-06	2.32E-05	4.13E-05
0.1	6.16E-06	5.27E-07	1.16E-06	3.42E-06	1.08E-05	2.04E-05
0.15	2.16E-06	1.40E-07	3.33E-07	1.07E-06	3.68E-06	7.77E-06
0.3	3.79E-07	1.21E-08	3.52E-08	1.49E-07	6.17E-07	1.55E-06
0.5	1.05E-07	1.62E-09	5.66E-09	3.23E-08	1.64E-07	4.63E-07
0.75	3.66E-08	3.28E-10	1.21E-09	8.60E-09	5.42E-08	1.67E-07
1.	1.66E-08	1.44E-10	4.01E-10	3.09E-09	2.29E-08	7.66E-08
1.5	5.08E-09	9.51E-11	1.31E-10	6.73E-10	6.09E-09	2.32E-08
3.	5.27E-10	5.05E-11	6.26E-11	1.11E-10	4.83E-10	2.22E-09
5.	7.90E-11	5.05E-11	5.35E-11	1.11E-10	1.21E-10	3.37E-10
7.5	1.50E-11	5.05E-11	5.05E-11	1.01E-10	1.11E-10	1.23E-10
10.	4.24E-12	5.05E-11	5.05E-11	1.01E-10	1.11E-10	1.11E-10

Table A-1g
 Mean and Fractile Seismic Hazard Curves for 0.5 Hz at Susquehanna

AMPS(g)	MEAN	0.05	0.16	0.50	0.84	0.95
0.0005	1.62E-02	7.45E-03	1.15E-02	1.55E-02	2.10E-02	2.60E-02
0.001	9.21E-03	3.57E-03	5.83E-03	8.72E-03	1.27E-02	1.64E-02
0.005	1.43E-03	2.29E-04	5.27E-04	1.15E-03	2.35E-03	3.68E-03
0.01	4.17E-04	4.31E-05	1.11E-04	2.84E-04	7.34E-04	1.27E-03
0.015	1.76E-04	1.42E-05	3.79E-05	1.07E-04	3.19E-04	5.66E-04
0.03	3.22E-05	1.82E-06	4.70E-06	1.55E-05	6.17E-05	1.13E-04
0.05	8.22E-06	3.47E-07	8.98E-07	3.23E-06	1.55E-05	3.09E-05
0.075	2.74E-06	8.72E-08	2.32E-07	8.98E-07	4.83E-06	1.15E-05
0.1	1.27E-06	3.14E-08	8.85E-08	3.68E-07	2.10E-06	5.75E-06
0.15	4.40E-07	6.64E-09	2.16E-08	1.04E-07	6.45E-07	2.16E-06
0.3	7.62E-08	4.07E-10	1.64E-09	1.13E-08	8.98E-08	3.95E-07
0.5	2.08E-08	1.11E-10	2.53E-10	1.87E-09	1.98E-08	1.07E-07
0.75	7.16E-09	7.45E-11	1.11E-10	4.37E-10	5.35E-09	3.42E-08
1.	3.24E-09	6.09E-11	1.01E-10	1.79E-10	1.98E-09	1.46E-08
1.5	9.90E-10	5.05E-11	6.09E-11	1.11E-10	4.83E-10	3.95E-09
3.	1.04E-10	5.05E-11	5.05E-11	1.11E-10	1.11E-10	3.52E-10
5.	1.58E-11	5.05E-11	5.05E-11	1.01E-10	1.11E-10	1.13E-10
7.5	3.05E-12	5.05E-11	5.05E-11	1.01E-10	1.11E-10	1.11E-10
10.	8.65E-13	5.05E-11	5.05E-11	1.01E-10	1.11E-10	1.11E-10

Susquehanna SES Units 1 & 2
 Seismic Hazard and Screening Report
 Appendix A

Table A-2
 Amplification Functions for Susquehanna

PGA	Median AF	Sigma ln(AF)	25 Hz	Median AF	Sigma ln(AF)	10 Hz	Median AF	Sigma ln(AF)	5 Hz	Median AF	Sigma ln(AF)
1.00E-02	6.88E-01	4.78E-02	1.30E-02	6.31E-01	7.32E-02	1.90E-02	7.11E-01	9.08E-02	2.09E-02	7.54E-01	7.97E-02
4.95E-02	6.29E-01	6.73E-02	1.02E-01	5.46E-01	1.43E-01	9.99E-02	7.09E-01	1.02E-01	8.24E-02	7.56E-01	8.08E-02
9.64E-02	6.04E-01	7.51E-02	2.13E-01	5.32E-01	1.55E-01	1.85E-01	7.06E-01	1.03E-01	1.44E-01	7.56E-01	8.05E-02
1.94E-01	5.84E-01	8.10E-02	4.43E-01	5.21E-01	1.60E-01	3.56E-01	7.02E-01	1.04E-01	2.65E-01	7.54E-01	8.02E-02
2.92E-01	5.73E-01	8.40E-02	6.76E-01	5.14E-01	1.63E-01	5.23E-01	6.99E-01	1.04E-01	3.84E-01	7.54E-01	8.02E-02
3.91E-01	5.65E-01	8.60E-02	9.09E-01	5.09E-01	1.65E-01	6.90E-01	6.96E-01	1.05E-01	5.02E-01	7.53E-01	8.03E-02
4.93E-01	5.59E-01	8.75E-02	1.15E+00	5.04E-01	1.66E-01	8.61E-01	6.93E-01	1.05E-01	6.22E-01	7.53E-01	8.03E-02
7.41E-01	5.49E-01	9.03E-02	1.73E+00	5.00E-01	1.70E-01	1.27E+00	6.88E-01	1.07E-01	9.13E-01	7.53E-01	8.04E-02
1.01E+00	5.41E-01	9.25E-02	2.36E+00	5.00E-01	1.73E-01	1.72E+00	6.83E-01	1.09E-01	1.22E+00	7.54E-01	8.10E-02
1.28E+00	5.34E-01	9.43E-02	3.01E+00	5.00E-01	1.75E-01	2.17E+00	6.78E-01	1.10E-01	1.54E+00	7.54E-01	8.18E-02
1.55E+00	5.28E-01	9.57E-02	3.63E+00	5.00E-01	1.78E-01	2.61E+00	6.74E-01	1.12E-01	1.85E+00	7.54E-01	8.26E-02
2.5 Hz	Median AF	Sigma ln(AF)	1 Hz	Median AF	Sigma ln(AF)	0.5 Hz	Median AF	Sigma ln(AF)			
2.18E-02	6.62E-01	7.98E-02	1.27E-02	7.70E-01	8.42E-02	8.25E-03	6.92E-01	6.30E-02			
7.05E-02	6.61E-01	7.92E-02	3.43E-02	7.67E-01	8.22E-02	1.96E-02	6.91E-01	6.13E-02			
1.18E-01	6.61E-01	7.87E-02	5.51E-02	7.66E-01	8.15E-02	3.02E-02	6.91E-01	6.07E-02			
2.12E-01	6.61E-01	7.82E-02	9.63E-02	7.66E-01	8.08E-02	5.11E-02	6.91E-01	6.03E-02			
3.04E-01	6.61E-01	7.79E-02	1.36E-01	7.66E-01	8.05E-02	7.10E-02	6.91E-01	6.01E-02			
3.94E-01	6.62E-01	7.76E-02	1.75E-01	7.66E-01	8.03E-02	9.06E-02	6.91E-01	6.00E-02			
4.86E-01	6.62E-01	7.75E-02	2.14E-01	7.66E-01	8.02E-02	1.10E-01	6.91E-01	5.99E-02			
7.09E-01	6.63E-01	7.74E-02	3.10E-01	7.66E-01	8.01E-02	1.58E-01	6.91E-01	5.99E-02			
9.47E-01	6.65E-01	7.71E-02	4.12E-01	7.66E-01	8.00E-02	2.09E-01	6.91E-01	5.99E-02			
1.19E+00	6.67E-01	7.72E-02	5.18E-01	7.67E-01	7.99E-02	2.62E-01	6.91E-01	5.98E-02			
1.43E+00	6.68E-01	7.72E-02	6.19E-01	7.67E-01	8.00E-02	3.12E-01	6.91E-01	5.98E-02			

Tables A2-b1 and A2-b2 are tabular versions of the typical amplification factors provided in Figures 2.3.6-1 and 2.3.6-2. Values are provided for two input motion levels at approximately 10^{-4} and 10^{-5} mean annual frequency of exceedance. These factors are unverified and are provided for information only. The figures should be considered the governing information.

Table A2-b1
 Median AFs and Sigmas for Model 1, Profile 1, for 2 PGA Levels

M1P1K1		Rock PGA=0.0964		M1P1K1		PGA=0.292	
Freq. (Hz)	Soil_SA	med. AF	sigma ln(AF)	Freq. (Hz)	Soil_SA	med. AF	sigma ln(AF)
100.0	0.086	0.889	0.065	100.0	0.247	0.845	0.074
87.1	0.087	0.883	0.066	87.1	0.251	0.836	0.075
75.9	0.089	0.872	0.067	75.9	0.259	0.820	0.077
66.1	0.093	0.850	0.070	66.1	0.274	0.790	0.082
57.5	0.101	0.811	0.076	57.5	0.305	0.742	0.092
50.1	0.114	0.779	0.092	50.1	0.356	0.715	0.111
43.7	0.131	0.764	0.117	43.7	0.416	0.707	0.135
38.0	0.147	0.771	0.135	38.0	0.467	0.726	0.150
33.1	0.156	0.761	0.144	33.1	0.489	0.722	0.152
28.8	0.163	0.782	0.147	28.8	0.503	0.746	0.155
25.1	0.171	0.804	0.139	25.1	0.521	0.771	0.145
21.9	0.180	0.873	0.137	21.9	0.541	0.845	0.143
19.1	0.186	0.900	0.132	19.1	0.550	0.876	0.137
16.6	0.190	0.946	0.126	16.6	0.555	0.925	0.130
14.5	0.192	0.990	0.118	14.5	0.554	0.971	0.122
12.6	0.193	1.008	0.105	12.6	0.548	0.992	0.109
11.0	0.191	1.015	0.086	11.0	0.537	1.001	0.090
9.5	0.188	1.034	0.070	9.5	0.522	1.021	0.072
8.3	0.182	1.078	0.068	8.3	0.501	1.067	0.069
7.2	0.175	1.097	0.071	7.2	0.478	1.088	0.071
6.3	0.167	1.106	0.067	6.3	0.452	1.100	0.068
5.5	0.158	1.085	0.061	5.5	0.423	1.081	0.062
4.8	0.150	1.047	0.055	4.8	0.399	1.045	0.056
4.2	0.141	1.010	0.051	4.2	0.373	1.009	0.051
3.6	0.133	0.969	0.046	3.6	0.348	0.968	0.047
3.2	0.123	0.949	0.042	3.2	0.320	0.949	0.043
2.8	0.110	0.893	0.037	2.8	0.285	0.893	0.037
2.4	0.105	0.917	0.032	2.4	0.270	0.917	0.032
2.1	0.096	0.921	0.028	2.1	0.246	0.922	0.028
1.8	0.088	0.939	0.023	1.8	0.224	0.940	0.023
1.6	0.079	0.964	0.020	1.6	0.199	0.964	0.020
1.4	0.078	1.103	0.015	1.4	0.195	1.102	0.015
1.2	0.064	1.031	0.013	1.2	0.160	1.030	0.013
1.0	0.058	1.018	0.012	1.0	0.143	1.017	0.012

Susquehanna SES Units 1 & 2
 Seismic Hazard and Screening Report
 Appendix A

M1P1K1 Rock PGA=0.0964				M1P1K1 PGA=0.292			
Freq. (Hz)	Soil_SA	med. AF	sigma ln(AF)	Freq. (Hz)	Soil_SA	med. AF	sigma ln(AF)
0.91	0.057	1.096	0.011	0.91	0.139	1.094	0.011
0.79	0.052	1.091	0.007	0.79	0.125	1.088	0.008
0.69	0.042	0.992	0.007	0.69	0.101	0.992	0.007
0.60	0.035	0.929	0.005	0.60	0.082	0.930	0.006
0.52	0.030	0.931	0.005	0.52	0.070	0.931	0.006
0.46	0.026	0.980	0.006	0.46	0.061	0.979	0.007
0.10	0.001	1.075	0.002	0.10	0.003	1.074	0.002

Table A2-b2
 Median AFs and Sigmas for Model 2, Profile 1, for 2 PGA Levels

M2P1K1 PGA=0.0964				M2P1K1 PGA=0.292			
Freq. (Hz)	Soil_SA	med. AF	sigma ln(AF)	Freq. (Hz)	Soil_SA	med. AF	sigma ln(AF)
100.0	0.086	0.891	0.065	100.0	0.253	0.864	0.074
87.1	0.087	0.885	0.066	87.1	0.257	0.856	0.075
75.9	0.089	0.873	0.067	75.9	0.266	0.841	0.076
66.1	0.093	0.852	0.068	66.1	0.282	0.812	0.079
57.5	0.101	0.812	0.073	57.5	0.316	0.768	0.086
50.1	0.114	0.780	0.085	50.1	0.371	0.744	0.099
43.7	0.132	0.766	0.110	43.7	0.435	0.739	0.125
38.0	0.148	0.773	0.130	38.0	0.488	0.757	0.143
33.1	0.157	0.765	0.147	33.1	0.510	0.753	0.159
28.8	0.164	0.786	0.149	28.8	0.523	0.775	0.159
25.1	0.172	0.807	0.141	25.1	0.539	0.798	0.148
21.9	0.181	0.877	0.139	21.9	0.557	0.871	0.145
19.1	0.186	0.903	0.134	19.1	0.565	0.900	0.139
16.6	0.191	0.949	0.128	16.6	0.569	0.948	0.131
14.5	0.193	0.993	0.118	14.5	0.566	0.993	0.121
12.6	0.193	1.011	0.102	12.6	0.558	1.010	0.104
11.0	0.192	1.017	0.082	11.0	0.546	1.017	0.083
9.5	0.188	1.036	0.067	9.5	0.529	1.035	0.068
8.3	0.183	1.080	0.069	8.3	0.507	1.080	0.069
7.2	0.175	1.098	0.072	7.2	0.482	1.098	0.072
6.3	0.167	1.107	0.068	6.3	0.455	1.107	0.068
5.5	0.158	1.086	0.060	5.5	0.425	1.086	0.060
4.8	0.150	1.047	0.054	4.8	0.400	1.047	0.054
4.2	0.141	1.010	0.050	4.2	0.373	1.011	0.050
3.6	0.133	0.969	0.046	3.6	0.348	0.969	0.046
3.2	0.123	0.949	0.042	3.2	0.320	0.949	0.042
2.8	0.110	0.893	0.037	2.8	0.285	0.893	0.037
2.4	0.105	0.917	0.032	2.4	0.270	0.917	0.032

Susquehanna SES Units 1 & 2
 Seismic Hazard and Screening Report
 Appendix A

M2P1K1 PGA=0.0964				M2P1K1 PGA=0.292			
Freq. (Hz)	Soil_SA	med. AF	sigma ln(AF)	Freq. (Hz)	Soil_SA	med. AF	sigma ln(AF)
2.1	0.096	0.921	0.028	2.1	0.246	0.921	0.028
1.8	0.088	0.939	0.023	1.8	0.224	0.939	0.023
1.6	0.079	0.964	0.020	1.6	0.199	0.964	0.020
1.4	0.078	1.103	0.015	1.4	0.195	1.101	0.015
1.2	0.064	1.031	0.013	1.2	0.160	1.030	0.013
1.0	0.058	1.018	0.012	1.0	0.143	1.017	0.012
0.91	0.057	1.096	0.011	0.91	0.139	1.094	0.011
0.79	0.052	1.091	0.007	0.79	0.125	1.089	0.008
0.69	0.042	0.992	0.007	0.69	0.101	0.992	0.008
0.60	0.035	0.929	0.005	0.60	0.082	0.930	0.006
0.52	0.030	0.931	0.005	0.52	0.070	0.931	0.006
0.46	0.026	0.980	0.006	0.46	0.061	0.979	0.006
0.10	0.001	1.075	0.002	0.10	0.003	1.074	0.002