

Three Mile Island (40.13° N, 76.73° E), Control Point Hazard

SA (g)	AFE 0.5 Hz	AFE 1 Hz	AFE 2.5 Hz	AFE 5 Hz	AFE 10 Hz	AFE 25 Hz	AFE 100 Hz
0.001000	4.018473e-03	7.182230e-03	1.089269e-02	1.151909e-02	1.158489e-02	1.132496e-02	1.033401e-02
0.001122	3.716386e-03	6.884047e-03	1.084579e-02	1.150797e-02	1.157247e-02	1.130999e-02	1.030652e-02
0.001259	3.425691e-03	6.476090e-03	1.073661e-02	1.145376e-02	1.153489e-02	1.122987e-02	1.018910e-02
0.001413	3.146518e-03	6.064203e-03	1.057525e-02	1.133293e-02	1.145686e-02	1.108311e-02	9.963445e-03
0.001585	2.878514e-03	5.655547e-03	1.035920e-02	1.115783e-02	1.133229e-02	1.088761e-02	9.642863e-03
0.001778	2.621958e-03	5.252352e-03	1.009086e-02	1.094641e-02	1.116644e-02	1.066027e-02	9.271713e-03
0.001995	2.377341e-03	4.856933e-03	9.765525e-03	1.070305e-02	1.096779e-02	1.040578e-02	8.874645e-03
0.002239	2.144972e-03	4.471475e-03	9.399541e-03	1.042684e-02	1.074011e-02	1.012425e-02	8.455131e-03
0.002512	1.924531e-03	4.096897e-03	9.004765e-03	1.011749e-02	1.048356e-02	9.816477e-03	8.017706e-03
0.002818	1.716825e-03	3.734901e-03	8.584272e-03	9.775361e-03	1.019795e-02	9.483701e-03	7.567295e-03
0.003162	1.521887e-03	3.386823e-03	8.140953e-03	9.401482e-03	9.883653e-03	9.127790e-03	7.109117e-03
0.003548	1.340673e-03	3.054434e-03	7.678783e-03	8.998080e-03	9.541763e-03	8.751383e-03	6.648280e-03
0.003981	1.172729e-03	2.738513e-03	7.202044e-03	8.568616e-03	9.174230e-03	8.357893e-03	6.190118e-03
0.004467	1.019056e-03	2.440685e-03	6.715586e-03	8.117352e-03	8.783804e-03	7.950883e-03	5.739356e-03
0.005012	8.788061e-04	2.161334e-03	6.224491e-03	7.649173e-03	8.373871e-03	7.534353e-03	5.300306e-03
0.005623	7.527703e-04	1.901873e-03	5.734207e-03	7.169374e-03	7.948280e-03	7.112097e-03	4.876364e-03
0.006310	6.397848e-04	1.662272e-03	5.250039e-03	6.683544e-03	7.511222e-03	6.688197e-03	4.470436e-03
0.007079	5.402233e-04	1.443466e-03	4.777107e-03	6.197309e-03	7.067084e-03	6.266294e-03	4.084566e-03
0.007943	4.526781e-04	1.244824e-03	4.320096e-03	5.716111e-03	6.620294e-03	5.850032e-03	3.720295e-03
0.008913	3.770918e-04	1.066660e-03	3.883122e-03	5.244938e-03	6.175141e-03	5.442382e-03	3.378438e-03
0.010000	3.119030e-04	9.078779e-04	3.469697e-03	4.788225e-03	5.735646e-03	5.046173e-03	3.059413e-03
0.011220	2.566740e-04	7.680940e-04	3.082469e-03	4.349766e-03	5.305453e-03	4.663564e-03	2.763096e-03
0.012589	2.099326e-04	6.457895e-04	2.723365e-03	3.932640e-03	4.887766e-03	4.296455e-03	2.488949e-03
0.014125	1.710439e-04	5.402139e-04	2.393411e-03	3.539164e-03	4.485293e-03	3.946123e-03	2.235903e-03
0.015849	1.386942e-04	4.499108e-04	2.092981e-03	3.170959e-03	4.100227e-03	3.613589e-03	2.001997e-03
0.017783	1.121240e-04	3.731575e-04	1.821649e-03	2.828964e-03	3.734250e-03	3.298774e-03	1.786472e-03
0.019953	9.029557e-05	3.081698e-04	1.578560e-03	2.513503e-03	3.388565e-03	3.001168e-03	1.590187e-03
0.022387	7.260113e-05	2.536351e-04	1.362376e-03	2.224453e-03	3.063950e-03	2.720975e-03	1.412496e-03
0.025119	5.826101e-05	2.080586e-04	1.171554e-03	1.961303e-03	2.760868e-03	2.459386e-03	1.252197e-03
0.028184	4.671386e-05	1.702238e-04	1.004028e-03	1.723153e-03	2.479548e-03	2.216610e-03	1.107994e-03
0.031623	3.742486e-05	1.389326e-04	8.577604e-04	1.508891e-03	2.219892e-03	1.992203e-03	9.785952e-04
0.035481	2.998886e-05	1.131673e-04	7.306034e-04	1.317195e-03	1.981427e-03	1.785529e-03	8.627314e-04
0.039811	2.403741e-05	9.195932e-05	6.205254e-04	1.146480e-03	1.763373e-03	1.595956e-03	7.592007e-04
0.044668	1.927743e-05	7.459837e-05	5.255497e-04	9.950181e-04	1.564753e-03	1.422701e-03	6.668490e-04
0.050119	1.546891e-05	6.043340e-05	4.438737e-04	8.611399e-04	1.384532e-03	1.264972e-03	5.845910e-04
0.056234	1.242008e-05	4.889980e-05	3.738587e-04	7.432460e-04	1.221651e-03	1.121868e-03	5.114151e-04
0.063096	9.978566e-06	3.951063e-05	3.140339e-04	6.397906e-04	1.075018e-03	9.925045e-04	4.463723e-04
0.070795	8.019049e-06	3.188498e-05	2.630548e-04	5.492993e-04	9.435060e-04	8.759365e-04	3.883489e-04
0.079433	6.446277e-06	2.569984e-05	2.197312e-04	4.703828e-04	8.259736e-04	7.712388e-04	3.360707e-04
0.089125	5.181137e-06	2.068909e-05	1.830140e-04	4.017498e-04	7.212813e-04	6.774610e-04	2.890196e-04
0.100000	4.163269e-06	1.663193e-05	1.519865e-04	3.422134e-04	6.283112e-04	5.936945e-04	2.474697e-04
0.112202	3.343184e-06	1.335081e-05	1.258427e-04	2.906908e-04	5.459858e-04	5.190503e-04	2.110751e-04
0.125893	2.682358e-06	1.069990e-05	1.038797e-04	2.461997e-04	4.732772e-04	4.527200e-04	1.792901e-04
0.141254	2.149637e-06	8.561056e-06	8.548664e-05	2.078696e-04	4.092059e-04	3.939545e-04	1.516275e-04
0.158489	1.720061e-06	6.836765e-06	7.013438e-05	1.749357e-04	3.528399e-04	3.419973e-04	1.276447e-04

0.177828	1.373904e-06	5.448740e-06	5.735757e-05	1.467187e-04	3.033163e-04	2.960712e-04	1.068679e-04
0.199526	1.095058e-06	4.332780e-06	4.675859e-05	1.226122e-04	2.598803e-04	2.555163e-04	8.898015e-05
0.223872	8.708275e-07	3.437250e-06	3.799321e-05	1.020850e-04	2.218946e-04	2.197906e-04	7.368751e-05
0.251189	6.905236e-07	2.719457e-06	3.076721e-05	8.466867e-05	1.887967e-04	1.884071e-04	6.069310e-05
0.281838	5.459368e-07	2.145165e-06	2.482769e-05	6.994137e-05	1.600564e-04	1.609073e-04	4.969782e-05
0.316228	4.299049e-07	1.686445e-06	1.996224e-05	5.752789e-05	1.351712e-04	1.368550e-04	4.042891e-05
0.354813	3.375484e-07	1.321167e-06	1.599040e-05	4.710393e-05	1.136817e-04	1.158689e-04	3.262084e-05
0.398107	2.638949e-07	1.030770e-06	1.276065e-05	3.839013e-05	9.518509e-05	9.764364e-05	2.611061e-05
0.446684	2.052638e-07	8.007846e-07	1.014255e-05	3.114104e-05	7.933053e-05	8.189019e-05	2.077515e-05
0.501187	1.587140e-07	6.190605e-07	8.028256e-06	2.513755e-05	6.580208e-05	6.833689e-05	1.644512e-05
0.562341	1.220492e-07	4.761902e-07	6.327240e-06	2.018809e-05	5.430879e-05	5.671815e-05	1.290678e-05
0.630957	9.324913e-08	3.642305e-07	4.964167e-06	1.612746e-05	4.458279e-05	4.679593e-05	1.001188e-05
0.707946	7.082062e-08	2.770188e-07	3.876097e-06	1.281288e-05	3.638677e-05	3.836695e-05	7.711417e-06
0.794328	5.335738e-08	2.094084e-07	3.011338e-06	1.012121e-05	2.951670e-05	3.125479e-05	5.885021e-06
0.891251	3.981850e-08	1.575931e-07	2.327070e-06	7.947133e-06	2.379063e-05	2.528176e-05	4.424413e-06
1.000000	2.937812e-08	1.178406e-07	1.788032e-06	6.200294e-06	1.904380e-05	2.029109e-05	3.279942e-06
1.122019	2.147788e-08	8.746541e-08	1.365348e-06	4.804080e-06	1.513129e-05	1.614629e-05	2.401057e-06
1.258925	1.552407e-08	6.432368e-08	1.035829e-06	3.694713e-06	1.192588e-05	1.272439e-05	1.732817e-06
1.412538	1.109970e-08	4.685795e-08	7.802617e-07	2.819006e-06	9.315584e-06	9.914222e-06	1.232107e-06
1.584893	7.824445e-09	3.377586e-08	5.832768e-07	2.132150e-06	7.205203e-06	7.628178e-06	8.610556e-07
1.778279	5.436175e-09	2.408162e-08	4.324363e-07	1.596883e-06	5.511716e-06	5.788084e-06	5.902139e-07
1.995262	3.704805e-09	1.693398e-08	3.178322e-07	1.182550e-06	4.161730e-06	4.311889e-06	3.941007e-07
2.238721	2.470067e-09	1.169974e-08	2.313750e-07	8.641317e-07	3.094393e-06	3.138895e-06	2.536479e-07
2.511886	1.593660e-09	7.887870e-09	1.665864e-07	6.212471e-07	2.258158e-06	2.218382e-06	1.559630e-07
2.818383	9.823276e-10	5.130161e-09	1.181624e-07	4.373544e-07	1.609079e-06	1.503951e-06	9.042786e-08
3.162278	6.262222e-10	3.452660e-09	8.682221e-08	3.166867e-07	1.170193e-06	1.028801e-06	5.639723e-08
3.548134	2.701168e-10	1.775159e-09	5.548205e-08	1.960191e-07	7.313082e-07	5.536508e-07	2.236660e-08

Three Mile Island (40.13° N, 76.73° E), Response Spectra

Frequency (Hz)	UHRS 1E-4 (g)	GMRS (g)	UHRS 1E-5 (g)
0.500000	0.018898	0.029720	0.063025
0.561009	0.021553	0.034485	0.073447
0.629463	0.024413	0.039365	0.084003
0.706269	0.027471	0.044383	0.094757
0.792447	0.030689	0.049544	0.105755
0.889140	0.034114	0.054990	0.117337
0.997631	0.037918	0.060999	0.130092
1.000000	0.038002	0.061129	0.130367
1.122019	0.044715	0.074185	0.159437
1.258925	0.052366	0.088031	0.189821
1.412538	0.061142	0.103153	0.222627
1.584893	0.071350	0.120111	0.259084
1.778279	0.083458	0.139761	0.301076
1.995262	0.097584	0.162230	0.348843
2.238721	0.113273	0.186654	0.400476
2.500000	0.128756	0.210149	0.449808
2.805046	0.146525	0.243600	0.523816

3.147313	0.163454	0.273928	0.590212
3.531344	0.178801	0.299809	0.646062
3.962233	0.193464	0.323051	0.695423
4.445698	0.208701	0.345972	0.743414
4.988156	0.226734	0.372604	0.798898
5.000000	0.227129	0.373181	0.800095
5.610092	0.246348	0.411108	0.884847
6.294627	0.273178	0.460240	0.992955
7.062688	0.300587	0.506775	1.093547
7.924466	0.327561	0.550605	1.187240
8.891397	0.354469	0.591983	1.274391
9.976312	0.384895	0.635689	1.364682
10.000000	0.385572	0.636638	1.366626
11.220185	0.387106	0.638459	1.370155
12.589254	0.386475	0.638584	1.371049
14.125375	0.385948	0.639128	1.372978
15.848932	0.381680	0.633541	1.361773
17.782794	0.383676	0.638428	1.373123
19.952623	0.386509	0.643989	1.385540
22.387211	0.391772	0.653698	1.406935
25.000000	0.395619	0.657972	1.414983
28.050461	0.394657	0.655211	1.408421
31.473135	0.393713	0.651999	1.400634
35.313439	0.386018	0.636844	1.366785
39.622330	0.375426	0.617165	1.323369
44.456985	0.360288	0.590795	1.266031
49.881558	0.342212	0.558991	1.196723
55.968028	0.319836	0.520924	1.114415
62.797161	0.295397	0.480151	1.026673
70.459573	0.270620	0.438088	0.935778
79.056942	0.245196	0.394976	0.842647
88.703347	0.222205	0.356452	0.759667
99.526793	0.202709	0.323839	0.689451
100.000000	0.185409	0.296455	0.631288