Enclosure 2

MFN 15-062 Supplement 2

GEH Supplemental Response #2 to RAI 02.05.04-1

ABWR DCD Revision 6 Markups

Table 2.0-1
Envelope of ABWR Standard Plant Site Design Parameters (Continued)

Seismology:	– SSE Peak Ground Acceleration:	0.30g[ƒƒ]
	– SSE Response Spectra:	per RG 1.60
Minimum	– SSE Time History:	Envelope SSE Response Spectra
	– ~~Maximum~~ Dynamic Bearing Capacity:	2700kPa
	– Maximum Settlement:	75mm[†††]
	– Maximum Foundation Angular Distortion:	1/750[‡‡‡]
Hazards in Site Vicinity:	– Site Proximity Missiles and Aircraft	
	– Toxic Gases	$\leq 10^{-7}$ per year
	– Volcanic Activity	None
	– An area whose boundary has a	None
Exclusion Area Boundary: (EAB)	Chi/Q less than or equal to 1.37 x 10^{-3} s/m^3	
Meteorological Dispersion (Chi/Q):	– Maximum 2-hour 95% EAB	1.37×10^{-3} s/m^3
	– Maximum 2-hour 95% LPZ	4.11×10^{-4} s/m^3
	– Maximum annual average (8760 hour) LPZ	1.17×10^{-6} s/m^3

* 50–year recurrence interval; value to be utilized for design of non-safety-related structures only.

† 100–year recurrence interval; value to be utilized for design for safety-related structures only.

‡ As defined in Table 1.2-6 of Volume II of Reference 2.0-1.

ƒ Spectrum I missiles consist of a massive high kinetic energy missile which deforms on impact, a rigid missile to test penetration resistance, and a small rigid missile of a size sufficient to just pass through any openings in protective barriers. These missiles consists of an 1810 kg automobile, a 130 kg, 20 cm diameter armor piercing artillery shell, and a 2.54 cm diameter solid steel sphere, all impacting at 35% of the maximum horizontal windspeed of the design basis tornado or at a 59% of the maximum horizontal speed of the design basis hurricane. The first two missiles are assumed to impact at normal incidence, the last to impinge upon openings in the most damaging directions.

** Maximum value for 1 hour over 2.6 km^2 probable maximum precipitation (PMP) with ratio of 5 minutes to 1 hour PMP of 0.32 as found in National Weather Source Publication HMR No. 52. Maximum short term rate: 15.7 cm/5 min.

†† At foundation level of the reactor and control buildings.

‡‡ This is the minimum shear wave velocity at low strains after the soil property uncertainties have been applied.

ƒƒ Free-field, at plant grade elevation.

*** Maximum hurricane wind speed is the nominal 3-second gust wind speed measured at 10 m above ground over open terrain.

††† Settlement are long-term (post-construction) values.

‡‡‡ Angular distortion is defined as the slope between two adjacent columns. Angular distortion is long term (post construction) value.