Glossary of Terms related to Noise

decibel = the unit used to measure the intensity of sound
dB(dBA) = A-weighted decibel= a frequency dependent correction that is applied to a measured or calculated sound of moderate intensity to mimic the varying sensitivity of the ear to sound for different frequencies

dB(A)Leq = average of continuous noise level, where noisy events have a significant influence. Same as LAeq

dB(BC) = C-weighted decibel= a frequency dependent correction that is applied to a measured or calculated sound of high intensity to mimic the varying sensitivity of the ear to sound for different frequencies

dBlin = unweighted decibel

Frequency = the number of vibrations per second of the air in which the sound is propagating.
Hz = Hertz= unit of frequency, the number of times a phenomenon repeats itself in a unit of time.

LAeq,T = A weighted equivalent sound energy pressure level for a period T. (T=time). Used to measure continuous sound.

LAmmax = maximum A weighted level of single noise events

Ldn = day and night continuous equivalent sound pressure level

Leq,T = equivalent sound pressure level for a period T

SEL = sound exposure level (SEL)

T = time period, i.e. 8hrs, 24hrs