

## **Glossary of Terms related to Noise**

**decibel** = the unit used to measure the intensity of sound

**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

**dBA<sub>Leq</sub>**= average of continuous noise level, where noisy events have a significant influence. Same as **L<sub>Aeq</sub>**

**dB<sub>C</sub>**= 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

**dB<sub>lin</sub>**= 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.

**L<sub>Aeq,T</sub>**= A weighted equivalent sound energy pressure level for a period T. (T=time). Used to measure continuous sound.

**L<sub>Amax</sub>**= maximum A weighted level of single noise events

**L<sub>dn</sub>**= day and night continuous equivalent sound pressure level

**L<sub>eq,T</sub>**= equivalent sound pressure level for a period T

**SEL**=sound exposure level (SEL)

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