

Appendix 7.1 Acoustic Terminology

1. Glossary of Terms

Term	Definition
Best practicable means (BPM)	BPM is defined in Section 72 of the Control of Pollution Act (CoPA) and Section 79 (9) of the Environmental Protection Act 1990: • “Practicable” means reasonably practicable having regard among other things to local conditions and circumstances, to the current state of technical knowledge, and to the financial implications; • The means to be employed include the design, installation, maintenance, and manner and periods of operation of plant and machinery and the design, construction, and maintenance of buildings and structures; • The test is to apply only so far as compatible with any duty imposed by law; • The test is to apply only so far as compatible with safety and safe working conditions and with the exigencies of any emergency or unforeseeable circumstances.
Façade Level	The sound level at a position 1 m in front of a reflecting façade of a building. The façade noise level is assumed to be 3 dB(A) higher than the level measured or predicted at the same position but without the influence of the reflecting façade.
Free-field Level	The sound level in an open area well away from any buildings or other sound reflecting surfaces other than the ground. Generally, the minimum distance from building facades required for free-field measurements is 3.5 m.
$L_{Aeq,T}$	The equivalent continuous A-weighted sound or noise level over the time period (T). This is the A-weighted sound pressure level of a continuous, steady sound that, over the given time period (T), contains the same sound energy as the actual fluctuating sound over the same time period.
Lowest Observed Adverse Effect Level (LOAEL)	This is the level above which adverse effects on health and quality of life can be detected.
Significant Observed Adverse Effect Level (SOAEL)	This is the level above which significant adverse effects on health and quality of life occur.

2. Table of Abbreviations

Term	Definition
ANC	Association of Noise Consultants
BPM	Best Practicable Means
BS	British Standard
CadnaA	Acoustic modelling software used for noise prediction
CEMP	Construction Environmental Management Plan
DEFRA	Department for Environment, Food & Rural Affairs
EIA	Environmental Impact Assessment
ES	Environmental Statement
L _{Aeq,T}	Equivalent continuous A-weighted sound level over time period T
LOAEL	Lowest Observed Adverse Effect Level
MCC	Manchester City Council
NOAEL	No Observed Adverse Effect Level
NOEL	No Observed Effect Level
NPSE	Noise Policy Statement for England
NPPF	National Planning Policy Framework
NSR	Noise Sensitive Receptor
PPG:N	Planning Practice Guidance for Noise
SLM	Sound Level Meter
SOAEL	Significant Observed Adverse Effect Level