

APPENDIX 5.6.1

DUN LAOGHAIRE – RATHDOWN COUNTY COUNCIL GUIDELINE ON NOISE LEVELS

To be applied only in industrial, commercial or public leisure activities. Not to domestic, transport or construction noises.

The noise level outside any Noise Sensitive Location (NSL is described in the Environmental Protection Agency Guidance Note for Noise: NG4,) shall...

- 1. Not contain any pure tones.**
- 2. Not exceed the background level *by 10dB(A) or more or exceed NG4 limits whichever is lesser.**

Daytime (07:00 to 19:00 hrs) – 55 dB $L_{AR,T}$;

Evening (19:00 to 23:00hrs) – 50 dB $L_{AR,T}$;

Night-time (23:00 to 07:00 hrs) – 45 dB $L_{Aeq,T}$;

* Background Noise level is determined by a $L_{Aeq,t}$, with the specific noise source off.

Limit all commercial and industrial activity * to between:

Monday - Friday: 07.30 to 20.00 hours

Saturday: 08.00 to 20.00 hours

Sunday : 09.00 to 20.00 hours

* To be applied only in industrial and commercial activities. Not to waste collection activity.

In the case of noise which will only last a short time (i.e. a few weeks) the above standards may be temporarily relaxed by agreement with the local authority.

In cases where it is impossible to measure the noise due, for example, to the interference of traffic noise, prediction methods should be used.

The duration and frequency of noise events should be considered when assessing annoyance.

A correction for impulsive character of 5dB(A) shall be added to the measured or predicted level where appropriate. If background levels cannot be measured, measured in terms of $L_{A90,T}$ on site due to the continuous presence of the noise under investigation then measurements at another site that approximates the conditions at the site of interest may be used.

When a background is established in relation to a particular reception point all future noise sources affecting this point shall be assessed with respect to the originally established background.

In the case of premises where frequent musical events occur e.g. discos, pub music, etc. no music shall be audible in any nearby noise sensitive premises.

Where specific guidelines have been drafted for assessing specific types of events e.g. concerts, they should be used instead of these proposals.

DEFINITIONS & SURVEY REQUIREMENTS

<i>Noise Level:</i>	The L_{Aeq} for worst hour by day or worst 15 minutes by night with impulsive correction as necessary.
<i>Background Level:</i>	The L90 taken at the Recommended Minimum Survey Duration ¹ and under similar conditions.
<i>Day:</i>	07:00 – 19:00 hrs.
<i>Evening</i>	19:00 – 23:00 hrs.
<i>Night</i>	23:00- 07:00 hrs.
<i>Pure Tone:</i>	An octave band that exceeds both adjacent octave bands by 5dB or more.
<i>Measurement Location:</i>	One meter from the facade.
<i>Equipment Standards:</i>	I.E.C. Type I as minimum.
<i>Calibration:</i>	Calibration shall be carried out before measurement in all cases and before and after measurement when the measurement period exceeds 24 hours.
<i>Weather:</i>	Measurements shall not be carried out where the windspeed is so high that it affects the accuracy of the readings and preferably when the windspeed does not exceed 5m/sec. The windspeed, temperature and direction should both be recorded.

Note 1

Recommended Minimum Survey Durations as per the Environmental Protection Agency Guidance Note for Noise: GN4.