

Noise Assessment

INTRODUCTION

For the benefit of Bury Council, this assessment has been formulated to support the proposed Prior Approval Application for the above site, to convert the above property's ground floor, into 1 bedroom flat. There is already an existing dwelling above.

As part of the development, the guidance relating to noise within the environment has been taken into consideration and subsequently the following report has been set out to meet the criteria required in the assessment of such developments.

DESCRIPTION OF THE NOISE CLIMATE

Situated in the Centre of Radcliffe, this site is on James Street North. James Street North which is fully residential. The only shops situated on New Road which is within 0.1 mile from the site. Shops along this parade include; school uniform, photography, clothing boutique and accountants. Traffic to the retail units in this vicinity can be classified as incidental and is reasonably light during work hours.

NOISE ASSESSMENT CRITERIA

The following guidance documents and standards, relevant to this development include;

- National Planning Policy Framework (NPPF) 2021
- PPG24- Planning and noise (Now withdrawn)
- World Health Organisation Guidance
- British Standard 8233:2014

In making planning decisions the Local Authority takes into account the noise level as set out in the National Planning Policy Framework 2021. In Paragraph 185 of the NPPF it states that planning policies and decisions relating to them should aim to consider the following points:

- Mitigate and reduce to a minimum potential adverse impacts resulting from noise from new development – and avoid noise giving rise to significant adverse impacts on health and the quality of life.
- Identify and protect tranquil areas which have remained relatively undisturbed
- by noise and are prized for their recreational and amenity value for this reason; and,
- Limit the impact of light pollution from artificial light on local amenity, intrinsically dark landscapes and nature conservation.

Although withdrawn, the Planning Guidance Note PPG24 still provides guidance specifically related to acoustic assessment and design as a criteria for residential properties (this is not currently part of the NPPF document). In PPG24 it sets out clearly the government guidance in relation to the planning powers by the Local Authorities in order to reduce the unfavourable effects of noise in the built-up environment. PPG determines in particular, Noise Exposure Categories that are directly applicable to new residential developments affected by traffic noise or by other noise sources in which industrial noise is not the dominate.

The World Health Organisation- It was proposed by the World Health Organisation in 1980 that consideration of noise levels at which sleep disturbance could take place an environmental health criteria should be considered. The World Health Organisation amended these guidelines in 1999. It

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was suggested in the guidance that *an internal LAeq below 30 dB is required to fully preserve the restorative process of sleep.*

In the code of practice for sound insulation there are a variety of building types identified as being affected by general environmental noise (British Standard 8233:2014 - BS8233). It therefore provides recommendations for the control of noise in and around those buildings and suggests that a suitable criteria be used to gauge the limits for a variety of different situations including residential properties.

Room Type	Noise Limit 07:00-23:00 LAeq, 16hr	Noise Limit 23:00-7.00 LAeq, 8hr
Living Room	35	-
Dining Room	40	-
Bedroom	35	30

CONCLUSION

It is proposed that no noise reduction measured are required at 34 James Street North due to the property being in a residential street.

As a result of this there will be limited noise pollution and it is not necessary to provide any enhance protection.