

APPENDIX 13.5



Appendix 13.5: Consultation with Newport City Council (NCC)

Consultation - Proposed Baseline & Assessment Strategy – Herbert Road, Newport

Emma Harding

From: Dawit Abraham <dawit.abraham@watermangroup.com>
Sent: 08 May 2017 14:11
To: 'ldp.consultation@newport.gov.uk'
Subject: Environmental Noise Policy Request
Attachments: WIE12961-100_GR_AC_1A.PDF

Hello,

Could you please advise us on Newport City Council's internal noise policy criteria and plant noise limits.

We are intending to conduct a noise and vibration survey at Herbert Road, Newport (*please see attached mark-up drawing of our noise & vibration measurement locations*).

We aim to reference the following relevant policy and guidance (NPPF, BS 8233: 2014 and WHO: 1999) to achieve the relevant internal noise criteria. The project proposal is to develop the vacant site for residential dwellings.

WHO Guidelines for Community Noise 1999 and BS 8233:2014 – Guidance on sound insulation and noise reduction for buildings, stipulate:

- 35 dB $L_{Aeq-16hr}$ noise limit during Day and Evening periods for internal living areas,
- 30 dB $L_{Aeq-8hr}$ noise limit during Night time period (23:00 – 7:00) in bedroom areas,
- 45 dB L_{AFmax} should not be exceeded on more than 15 occasions over the 8hr (23:00 – 7:00) night time period in bedroom areas, and
- 55 dB L_{Aeq} should not be exceeded within outdoor amenity/living spaces, within the spirit of WHO.

BS 6472-1: 2008: 'Guide to Evaluation of Human Exposure to Vibration in Buildings Part 1: Vibration Sources Other Than Blasting' provides procedures for assessing the potential human response to vibration. The standard states:

- A VDV range of between 0.2-0.4 $m/s^{1.75}$ limit must be achieved during the daytime period for a "low probability of adverse comment".

We would also advise that all building services plant noise rating levels be controlled to at least 10dB below the typical external background noise levels 1m from the façade of the closest noise sensitive receptor i.e. Plant $L_{A(T)T} = -10dB$ Typical L_{A90T} .

Please can you confirm whether Newport City Council are in agreement with the above criteria to which design control measures should achieve.

Kind Regards

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