

29 April 2021

Daniel Forkin

Assistant Site Manager

Urban Splash

Brownsfield Mill

Dear Daniel,

AVRO – INTERNAL NOISE LEVEL SURVEY RESULTS

Further to the deployment of noise monitoring equipment in Apartment G2, Bedroom 1 from 23rd to 26th April 2021, this letter summarises the results of the measured internal noise levels.

The noise monitoring equipment was placed in the centre of the room and was left unattended over the course of the surveying period. Measurements from the daytime period of Monday 26th April have not been included in this letter due to site works causing the internal noise levels to increase.

The criteria by which Manchester City Council judge the internal ambient noise levels is laid out in Table 1, below;

Table 1: Internal Noise Level Criteria

Activity	Location	Daytime (07:00 – 23:00 hrs)	Night-time (23:00 – 07:00 hrs)
Sleeping (daytime resting)	Bedroom	35 dB L _{Aeq,16h}	30 dB L _{Aeq,8h}

Table 2, below, shows the measured internal ambient noise levels.

Table 2: Measured Internal Noise Levels

Date	Period	BS8233 Required Internal Ambient Noise Level (dBL _{Aeq,T})	Measured Ambient Noise Level (dBL _{Aeq,T})	Measured Internal Ambient Noise Level meets required Internal Ambient Noise Level
23/04/2021	Day	35	31	Yes
23/04/2021	Night	30	25	Yes
24/04/2021	Day	35	30	Yes
24/04/2021	Night	30	25	Yes
25/04/2021	Day	35	31	Yes
25/04/2021	Night	30	24	Yes

To assess the maximum noise levels, Manchester City Council uses the World Health Organisation (WHO) document “*Guidelines for Community Noise: 1999*” which recommends that internal maximum noise levels (dBL_{Amax,F}) do not exceed 45dBL_{Amax,F} more than 10 times a night.

Table 3 shows the number of times the internal maximum noise level criteria was exceeded in the night-time periods measured, the highest and typical maximum noise levels measured.

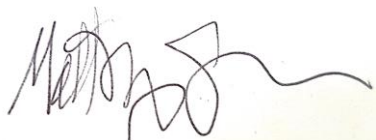
Table 3: Measured Internal Maximum Noise Levels

Date	Number of times 45dBL _{Amax,F} exceeded	Less than 10 exceedances	Highest Maximum Noise Level Measured (dBL _{Amax,F})	Typical Maximum Noise Level Measured (dBL _{Amax,F})
23/04/2021	6	Yes	53	43
24/04/2021	6	Yes	56	43
25/04/2021	1	Yes	49	39

As shown by Tables 2 and 3 above, the measured internal ambient noise levels meet the planning conditions set by Manchester City Council, and the planning condition can therefore be discharged.

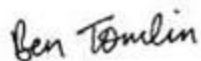
I hope the above is clear and useful but please do not hesitate to contact us if you have any questions.

Kind regards,

A handwritten signature in black ink, appearing to read 'Matt Jones', with a stylized flourish at the end.

Matt Jones

GRADUATE ACOUSTIC CONSULTANT

A handwritten signature in black ink, appearing to read 'Ben Tomlin', written in a cursive style.

CHECKED BY: BEN TOMLIN (PRINCIPAL ACOUSTIC CONSULTANT)