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129 Wilbraham Road, Manchester

Amendment to AEC Report P5658/R01c/WJK

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1.0 Introduction

1.1 Following correspondence with Manchester City Council, the proposed relocation of the existing 3no. mechanical vent wall units has been altered to take account of the comments from the Environmental Health Team.

1.2 The three units will now be located at ground floor level to the rear of the property, as shown on Figure 1.1 below.

Table 1.1 – Proposed Location of External Units and Nearest Noise Sensitive Receptors



Imagery @2026 Google, Imagery @2026 Infoterra Ltd & Bluesky, Maxar Technologies, The Geoinformation Group, Map Data @2026

1.3 The unts would be located approximately 35m from 105 Wilbraham Road which is the nearest noise sensitive receptor not associated with the development and 3m from the nearest bedroom associated with the development. It should also be noted that there would be no line of sight between the bedroom within the development and the units.

1.4 This amendment should be read in conjunction with AEC Report P5658/R01c/WJK (hereafter referred to as AEC Report).

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2.0 Assessment of Noise Levels

2.1 Based on the requirements of Manchester City Council '*Planning & Noise – Technical Guidance'* (2022) (PNTG), the rating level from external plant should be controlled to -5dB below the typical background noise level during the daytime and night-time period.

2.2 Based on the background noise measurements reported in the AEC Report, the daytime and night-time typical background noise levels external to the nearest noise sensitive receptors would be around 55dB$L_{A90,1h}$ and 51dB$L_{A90,15min}$, respectively.

2.3 Therefore, the rating level from the units would need to be controlled to 50dB$L_{A90,1h}$ and 46dB$L_{A90,15min}$, during the daytime and night-time, respectively.

2.4 The source noise level of all existing units operating simultaneously was measured and determined to be 59dB$L_{Aeq,T}$ at a distance of 3m.

2.5 Taking into account distance attenuation, screening and directivity, the specific noise level external to 105 Wilbraham Road and the nearest bedroom within the scheme has been calculated and is presented in Table 2.1, below.

Table 2.1 – Calculated Specific Noise Level External to 105 Wilbraham Road and Nearest Bedroom

Receptor	Source Noise Level, dB @3m	Distance		Screening, dB	Directivity, dB	Specific Noise Level, dB$L_{Aeq,T}$
		m,	Attenuation, dB			
105 Wilbraham Road	59	35	-21	0	0	38
Nearest Bedroom	59	3	0	-15	-5	39

2.6 Based on the type of units, their operation and the measurements, the units are not intermittent, tonal nor impulsive in nature.

2.7 In addition, while the units are not expected to operate at night, the specific noise level would be 7dB below the typical background noise level and therefore, would not be considered to be distinctive against the existing noise climate.

2.8 As there is no acoustic character associated with the units, no penalty has been applied to the specific noise levels presented in Table 2.1.

2.9 The above assessment demonstrates that the rating level from all 3 units operating will meet the requirements of PNTG of not exceeding 5dB below the typical background noise level.