

<b>Consultation Response from: KC Environmental Health (Pollution &amp; Noise Control)</b>		
<b>2025/92445 - Meltham Moor Primary School, Birmingham Lane, Meltham, Holmfirth, HD9 5LH</b>		
<b>Installation of 3 air source heat pumps</b>		
<b>Responding Date: 03 November 2025</b>	<b>Responding Officer: Mohammed Nasim</b>	<b>Responding Ref: WK202532381</b>
<p><b><u>Comments</u></b></p> <p>The applicant has submitted a Noise Impact Assessment authored by Nova Acoustics dated 12 September 2025 Ref NP-013173. The proposal is to install 3no. Air Source Heat Pumps (ASHPs) in the location as shown in figure 2 along with the nearest noise sensitive receptors (NSRs) and their locations given in para 2.1.</p> <p>A background noise survey was undertaken between 04 and 05 September 2025 from a single monitoring position as shown in figure 2. A summary of the findings is given in figure 3 with the lowest daytime and nighttime figures used for the BS4142 assessment. Comment is made that the noise climate in the area is low and predominantly made up of road traffic noise from Birmingham Lane and noise from children playing at the school itself. Rooftop plant was observed at the school building near the proposed plant location, however, was inaudible at the measurement location</p> <p>Para 3.1 states the manufacturers data sheets as shown in Appendix E display two modes of operations - Capacity Mode and COP Mode. No explanation is given on the difference between these modes. The author has been informed that it is likely the units will be set up in the quieter COP mode, however, to ensure robust assessment, the noise levels for the Capacity mode have been used for the assessment. The author states it is understood that the proposed plant units are to be housed in a compound on the edge of the existing car park of the school and will be surrounded by a 2.5m high fence. Based on the manufacturers data and the cumulative effect of 3no. ASHPs, the BS4142 assessment with a +3dB correction for intermittency, indicates a low impact for nighttime at NSR1 whilst in COP mode as shown in table 3. With the same +3dB correction, table 4 indicates a low impact for daytime at NSR1 whilst in Capacity mode.</p> <p>It is evident there will be a lower impact whilst the units are in COP mode and the author makes the following recommendations -</p> <ul style="list-style-type: none"> <li>• The ASHP units should be commissioned to COP mode, and the fence installation is close-boarded and increased to a height of 2.8m</li> <li>• If capacity mode is required, then fence heights should be increased to 3m</li> <li>• The fencing should also have a minimum surface mass of 15kg/m<sup>2</sup></li> <li>• To minimise undesired reflections, the internal facings of the fence compound should also be lined with a minimum of a Class C acoustic absorption product; this would need to be weather resilient (e.g., mineral wool with a glass tissue lining or a closed/open cell foam ; 50mm Stratocell Whisper FR.</li> <li>• The ASHP units should not operate between the hours of 2300hrs to 0700hrs</li> </ul>		

The submitted information is accepted. A condition is required to secure the mitigation measures.

**Recommended Conditions**

**NC14 Implement Agreed Noise Mitigation Measures – Condition**

The development shall not be brought into use until all of the mitigation measures specified in the approved Noise Impact Assessment authored by Nova Acoustics dated 12 September 2025 Ref NP-013173 have been carried out in full and such measures shall be thereafter retained.

**Reason:** To ensure the proposed development does not cause harmful noise pollution within neighbouring noise sensitive locations, in the interest of amenity, to comply with the aims and objectives of Policies LP24 and LP52 of the Kirklees Local Plan and Chapters 12 and 15 of the National Planning Policy Framework.