

From: Evans, Laurence <Laurence.Evans@havant.gov.uk>

Sent: 14 July 2025 15:29

To: Le-Vallee, Helen <Helen.Le-Vallee@havant.gov.uk>; Pickup, Tina
<Tina.Pickup@havant.gov.uk>

Subject: FW: APP/25/00359 - Retention of air source heat pumps at 1 Beach Road,
Emsworth

Importance: High

Hi Helen, Tina,



I've reviewed the Noise Impact Assessment prepared by Sound Advice for the four plant items installed at 1 Beach Road, Emsworth, PO10 7JS (Ref. SA-8074, dated June 2025), and would be grateful for clarification and/or further information on the following points:

As the plant is already installed and operational, please confirm why the assessment has relied solely on manufacturer-reported data rather than site-measured levels.

Based on verified manufacturer data, the L_w values for the Samsung AE160RXYDEG and Daikin RXM50A5V1B units appear to contain discrepancies. Please review and update the assessment accordingly, and confirm whether the assessment reflects operation under cooling or heating duty.

In addition, please provide the following for our review:

- LA90 modal analysis to support background sound level characterisation.
- Update acoustic feature corrections based on objective assessment – particularly with regard to tonality, in accordance with ISO 1996-2:2007.
- A cross-sectional plot from CadnaA across the area of interest to illustrate noise propagation and level variation between source and receptor locations.
- Full details of the mitigation proposals. No supporting evidence is currently provided to demonstrate how the barrier design or other measures have been derived, making it difficult to corroborate the findings.

Please let me know if you need any clarification on the above.

Kind regards,

Laurence

FYI:

Samsung AE160RXYDEG: Air-to-Water Heat Pump. Heating Only.

Daikin RXM50A5V1B: Air Conditioning. Heating & cooling.

RZASG100M7V1B: Air Conditioning. Heating & cooling.

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