



Reference: Aldi Haverhill

Project No: 2523414

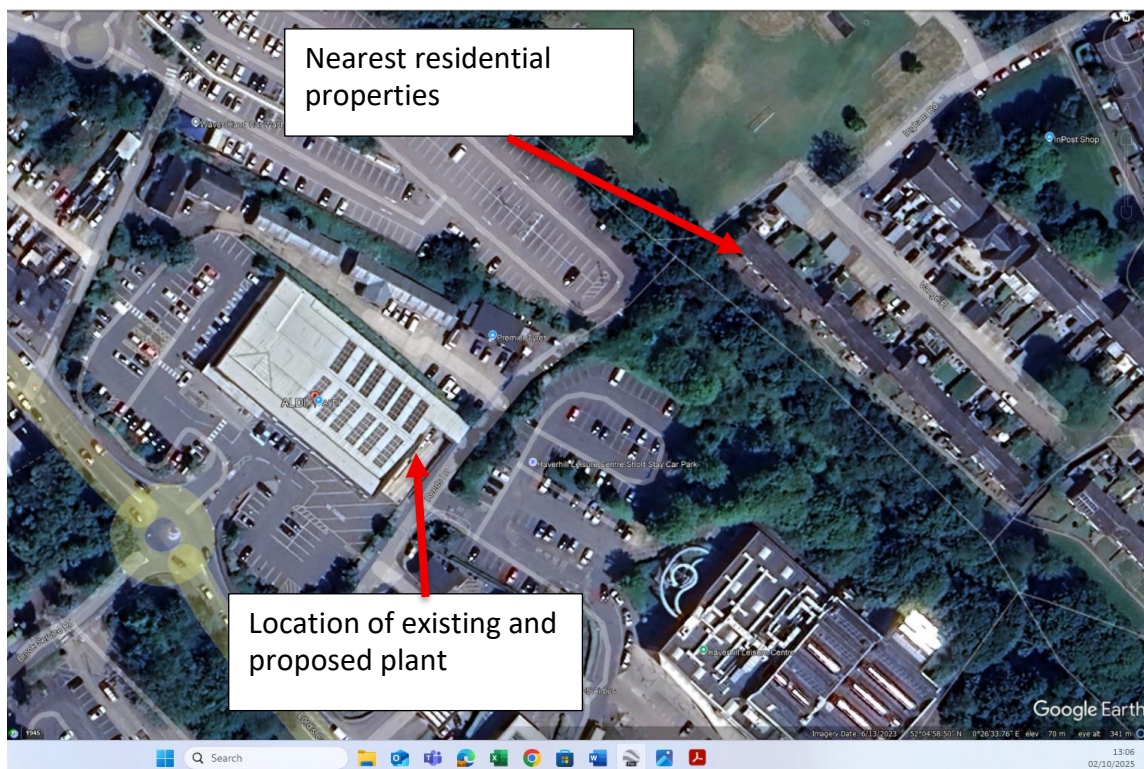
Date: 30th September 2025

Technical Note 1 – Noise survey of existing plant

Sharps Redmore has been instructed to undertake an environmental noise survey of the existing external refrigeration plant, prior to a proposed refresh program.

The store is located on Lordcroft Lane, Haverhill. The external plant is located at the side of the building, along side the access ramp to the loading bay. The nearest residential receptors are located to the north east of the store in Vange Place, approx. 100m from the plant location - see Figure1 below.

Figure 1: Store location



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Site was attended on 16th September 2025, and noise levels were measured at 3, 5 & 10m from the existing plant, as a reference.

Table 1: Noise level of existing plant

Distance from plant	Noise level L _{Aeq}
3m	63
5m	59
10m	56

Figure 2: Existing plant



Based on the survey undertaken, as a guide, based on the existing plant operating at 56 dBA at 10m, this would equate to around 36 dBA at the residential properties 100m away, ignoring any additional screening from the loading bay. The full details of the replacement plant are not known at this stage, but likely to consist of the following:

Table 2: Proposed replacement plant

Plant	Noise level
Gas cooler	43 dBA at 10m
Compressor pack	30 dBA at 10m
LT Condenser	36 dBA at 10m
MT Condenser	33 dBA at 10m
4 x ASHP's	38 dBA at 5m per unit (32 dBA at 10m per unit)
Overall	48 dBA at 10m (45 dBA +3 dBA for reflections off the store building)

A comparison of the proposed plant against the existing plant indicates that the proposed plant will be significantly quieter than the current plant operating at the store.

It is also noted that the predicted noise level of 48 dBA at 10m will equate to a predicted noise level of 28 dBA at the nearest residential properties 100m away. Based on the guidance in BS 4142, noise levels below 30 to 35 dBA are considered to be very low.

This assessment objectively demonstrates that noise arising from the fixed plant, complies with the requirement of paragraph 198 of the NPPF to avoid significant adverse impact.

Regards,

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