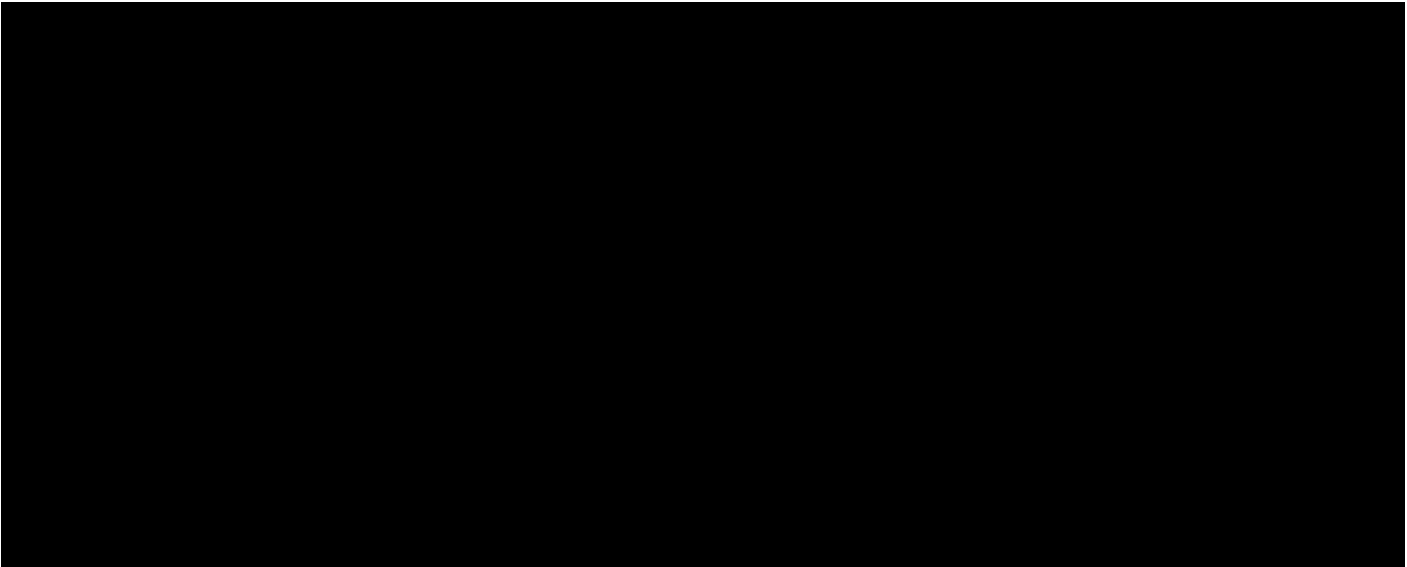




Hi David,

Apologies for the delay, with summer holidays it has been hard getting hold of the right people.

I've spoken to our Noise Consultant and they have provided the following response which we hope provides the clarity required. If not, I'd be happy to arrange a call with the EHO and our team.

Regarding the residual and ambient noise levels, this is not a typo in the calculations. The plant did not elevate the residual level (indeed, it was inaudible at the measurement position). With that in mind, it would not be unusual for a measured noise level to vary by 1dB or more from one reading to the next, particularly when dominated by background noise, road traffic etc. As noise from the plant was inaudible and did not elevate the measured residual level, this is taken as an indication that noise from plant is at least 10dB quieter than the measured residual level.

As mentioned above, noise from the ventilation plant was subjectively inaudible at the measurement position. However, the fans run constantly at a fixed duty (and, hence, noise level). Use of the L90 index can therefore be considered to reflect the noise level of the plant, while excluding other extraneous events (such as vehicle pass-bys). Indeed, if a constantly-running fan were to dominate the noise climate with no effect from other sources, then all indices (e.g. L10, Leq, L90 etc) would be

the same. As this is not the case, any elevation of the Leq over the L90 represents contributions from other extraneous noise sources.

While BS 4142:2014 requires the assessment at the receptor to be undertaken using the calculated Leq value, it does not preclude other methods of obtaining the specific noise level.

Given the EHO is happy with the findings and subject to the final aspect of clarity, can I ask whether you are in a position to set out your recommendations including and more importantly at this stage the conditions you are seeking to attach.

I note previous mention of a temporary consent, I'd like to understand how in practice this would seek to work?

Many thanks

Tom

Tom Roberts

Senior Planner

