

The Mansion Coldeast
Coldeast Dr,
Sarisbury,
Southampton.
SO31 7PT

FAO: Mr Jason Parker

Date 23/09/2021

Dear Licensing Committee.

RE: Cold East Mansion,

We have been contacted by our client in reference to the above premises. They have advised that all documents for their application are needed to be submitted by 23rd of September. Given our current workload it hasn't been possible to undertake extensive recording or reporting. However, given the information we have we are confident any concerns regarding noise can be mitigated.

On 22nd September 2021 Jason Parker, Daniel Byrne and myself carried out sound measurements to determine the propagation of amplified music from the Mansion outdoor dining area.

A Makita site construction music player was set up in the center of the outdoor dining area and music was played at a range of 82-88dB*. This was louder than anything imagined to be required to provide the intended background music for outdoor diners.

It should be noted that the small loudspeakers in this area will actually be situated within the polycarbonate and aluminum dome structures and on the face of the serving cabin. These latter speakers (x2) face away from the nearest property and sound from these will be diminished considerably by the cabin structure itself.

Sound measurements were taken in a line along a resin bound hard finished pathway with no obstructions running from the music source towards the boundary with the nearest property being 16 Rayleigh Walk situated approximately 125m distance.

Measurements were taken as follows: -

***At source 82-88dB
At 35m range 51-59dB
At 70m range 47-53dB
At 100m range 45-56dB (bird sound – could not hear music)***

The boundary is at 125m distance from the aforementioned music source. At this point no music could be heard with the human ear. Ambient background sound sat at a range of 42 – 51dB with bird calls causing the peaks in sound.



Airtight & Noisecheck Ltd
The Old Laundry
Bridge Street
Southwick
Hampshire
PO17 6DZ
Tel: 03450 666966
info@airtightnoisecheck.co.uk



The background/ambient measurements are similar to what we would expect in that location at that time. Whilst the measurements don't include any frequencies or average levels, they do provide us with a 'real time' survey which clearly show the sound levels decreasing over distance.

Using a point source propagation equation, in single figure terms the noise will decay by -42dB for a source distance of 1m and a receptor distance of 125m in the absence of any further barriers and mitigation.

Given the proposed speakers are to be within the dome enclosures this is likely to reduce levels further. Whilst outdoor music is often amplified to higher than the 88dB, it is unlikely this would be tolerable at these levels within these enclosures. We understand this are to be 'background speakers' enabling customers to converse at normal speech levels.

Another positive of having a higher number of speakers is less volume is required as all guests are never far from a speaker.

Having worked with the applicant on several different schemes we are confident a robust Management Plan will be in place to reduce the likelihood of complaints. They have asked us to work with them on this when time permits.

Our client has advised it is proposed no music will be played outside after 11PM this again reduces the likelihood of complaint.

If you have any further questions or queries pertaining to the above, please don't hesitate to ask.

Yours Sincerely

Mitchell Tett

Mitchell Tett AMIOA

mitch@airtightnoisecheck.co.uk