MEMBER FIRM		ACOUSTICS	Spectrum Acoustics Pty Limited ABN: 40106 435 554 8 Penylan Street, Cardiff NSW 2285 Phone: (02) 4954 2276 Email: neil@spectrumacoustics.com.au
To Company:	Hansen Yuncken Pty Ltd	email: jrusse	ll@hansenyuncken.com.au
Attention:	Jonathan Russell	Date: 4/5/20	23
From:	Neil Pennington	Ref: 20202	22-AC1
Copies to:		Pages: 1	
□ Urgent	Please Reply	For your files	No action required
Subject: Acoustic certification (OC): HCCD Q Building, Honeysuckle			

Good day Jonathan,

Short term noise measurements have been taken on 14 April 2023 to satisfy the following condition associated with the development:

1. E5. The Applicant must undertake short term noise monitoring in accordance with the <u>Noise Policy for</u> <u>Industry</u> (attached for convenience), to collect valid data and provide a quantitative assessment of operational noise impacts following occupation of the building. The noise monitoring must be carried out by an appropriately qualified person and a monitoring report must be submitted to the Planning Secretary within three months of full occupation of the building. Should the noise monitoring identify any exceedance of the recommended noise levels, the Applicant must implement appropriate on-site noise attenuation measures to ensure operational noise levels do not exceed the recommended noise levels and/or provide noise attenuation measures at the affected noise sensitive receivers.

Noise monitoring was conducted at the locations indicated in **Figure 1** using a Bruel & Kjaer Type 2260 sound level meter set to A-weighting and fast response as required in the NSW Noise Policy for Industry. The instrument has NATA calibration to IEC Class 1.



Figure 1. Noise monitoring locations.

The noise and vibration impact assessment prepared for the project by AECOM (Feb 2020) established project noise trigger levels for day, evening and night at receivers surrounding the site. The lowest of these is 43 dB(A),Leq(15min) (night).

Noise emissions from the site were inaudible and therefore immeasurable. The lowest (Lmin) one-second levels from the monitoring locations were in the range 39-44 dB(A). A level difference of 10 dB is usually required for a noise source to be inaudible in the presence of other noise. Consequently, noise emissions from the site at the time of measurement were at a theoretical maximum of 29-34 dB(A) which is well below the most stringent night time noise trigger level.

Based on these results, I certify that noise emissions from the site are well below the most stringent noise trigger levels at the nearest representative receiver locations.

Regards,

Neil Pennington Principal/Director

