



17 March 2021

Ref: 212083R/29308

Catholic Schools Office
Diocese of Maitland and Newcastle
c/- Principle Project Management

RE: ACOUSTIC CERTIFICATION – CATHERINE MCAULEY COLLEGE

This letter is to confirm compliance with the provisions of the D.A. conditions number F10 and F11 for Block A (School Admin) and Block B (Chapel) at the Catherine McAuley College at Medowie, NSW as reproduced below;

Operational Noise Limits

- F10. The Applicant must ensure that noise generated by operation of the development does not exceed the noise limits in Noise Assessment.
- F11. The Applicant must undertake short term noise monitoring in accordance with the *Noise Policy for Industry* where valid data is collected following the commencement of use of each stage of the development. The monitoring program must be carried out by an appropriately qualified person and a monitoring report must be submitted to the Planning Secretary within two months of commencement use of each stage of the development to verify that operational noise levels do not exceed the recommended noise levels for mechanical plant identified in Noise Assessment dated March 2018 and prepared by Spectrum Acoustic. Should the noise monitoring program identify any exceedance of the recommended noise levels referred to above, the Applicant is required to implement appropriate noise attenuation measures so that operational noise levels do not exceed the recommended noise levels or provide attenuation measures at the affected noise sensitive receivers.

The compliance follows on from Spectrum Acoustics report number 171542/7595 dated March 2018 and, for completeness, should be read in conjunction with that report. The original report determined applicable noise criteria for the operation of the mechanical plant at the school as reproduced below;

Day	53 dB(A) L_{eq} (15 min)
Evening	43 dB(A) L_{eq} (15 min)
Night	38 dB(A) L_{eq} (15 min)

A site visit was undertaken on Tuesday, March 16th, 2021 to inspect the installed mechanical plant and to measure noise emissions where appropriate.

There are two a/c condensers located at the rear of Block A which are shielded from residential receivers by the structure of the building. There will, therefore, be no acoustic issues associated with this plant.

There is an open plant podium on the first floor at the northern end of Block A. The sound power level of the plant was calculated at 88 dB(A), based on the site noise measurements. When calculated to the boundary of the nearest receiver this equates to a sound pressure level of 38 dB(A), unshielded.

Noise from the operating plant was not audible at the site boundary.

There will, therefore, be no adverse noise impacts as a result of the operation of the mechanical plant and it is concluded that D.A. conditions F10 and F11 will be satisfied.

We trust this letter fulfils your requirements at this time, however, should you require additional information or assistance please do not hesitate to contact the undersigned.

Yours faithfully

SPECTRUM ACOUSTICS PTY LIMITED



Ross Hodge
Acoustical Consultant