

2 August 2022

Andrew Baxter
Anglican Schools Corporation c/o
Terroir
Level 2 79 Myrtle St
Chippendale 2008

Dear Mr Baxter

Re: Acoustics Addendum – SSD 8006 Mod 3, Acoustics report

Spoke Acoustics has reviewed the request relating to Spoke's report, *Rouse Hill Anglican College Masterplan - Acoustic Report dated 16 August 2017*, and the Section 4.55(1a) Modification Application prepared by Ingham Planning for SSD 8006, Mod 3. We understand Blacktown City Council's request is as follows:

The applicant is to submit an addendum to the original acoustic report that accompanied the DA to confirm that the modifications now proposed can still meet the established noise criteria as outlined within the Noise Policy for Industry 2017 and SEPP (Transport and Infrastructure) 2021.

Background

The Acoustic Report was prepared in accordance with Council requirements (circa 2014 to 2015) which included the *Noise Guide for Local Government* and the *Industrial Noise Policy*.

An internal noise level assessment against the *SEPP (Infrastructure) 2007* was not required as the future traffic volumes were below the 20,000 AADT threshold in Clause 102.

The Acoustic Report identified that noise criteria should be set for mechanical plant at background plus 5dBA. This was also reflected in DPE's conditions for SSD 8006.

Consistency with the new guidelines and legislation

While the *Noise Policy for Industry 2017* isn't intended to be used for schools, as it was written to manage large industrial sites, the controlling criteria would be background plus 5dBA for this school.

For noise from mechanical plant, such as air conditioning units, the *State Environmental Planning Policy (Transport and Infrastructure) 2021* refers to the *State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017* for existing schools. Schedule 1 of the Educational Establishments and Child Care Facilities SEPP requires that air conditioning units:

- Noise level must not exceed 5dB above the rating background noise level when measured at the boundary of the most affected residential premises (or potentially most affected residential premises), determined in accordance with the Noise Policy.
- Source noise must not exhibit tonal noise, as defined in the Noise Policy (being noise containing a prominent frequency and characterised by a definite pitch).

- In these standards, the Noise Policy means the document entitled NSW Industrial Noise Policy (ISBN 0 7313 2715 2) published in January 2000 by the Environment Protection Authority.

An assessment of internal noise levels from traffic noise, under *SEPP (Transport and Infrastructure) 2021*, is not required as the future traffic volumes are below the 20,000 AADT threshold in Division 17, Subdivision 2, Clause 2.120. However, internal noise levels have been considered during detail design of all buildings by Spoke.

Design Changes

Spoke has reviewed the architectural and mechanical drawings prepared for the Senior Studies School Building in Mod 3.

The changes proposed in Mod 3 do not materially affect the noise emission from the school. This is because acoustically similar plant, mitigation and locations have been selected.

Summary

Council's request requires that mechanical noise emission is considered in two ways:

- *Noise Policy for Industry 2017*, and
- *State Environmental Planning Policy (Transport and Infrastructure) 2021*.

These approaches are consistent with the criteria and assessment approaches in the Acoustic Report.

Since traffic volumes are less than 20,000 AADT, an assessment of internal noise from road traffic is not required under:

- *State Environmental Planning Policy (Transport and Infrastructure) 2021*,

We also refer to DPE's clarification in Attachment A. This is consistent with the requirements for assessing noise emission from schools under *State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017*.

On this basis, in Spoke's opinion, no amendments other than this addendum are required.

Please contact me if you have any questions.

Kind regards



Dr Simon Kean
Director
0405 461 821



Planning,
Industry &
Environment

8 October 2019

Mr Andrew Baxter
Project Manager
The Anglican Schools Corporation

By email: simon.kean@spokeacoustics.com.au

Dear Mr Baxter

Rouse Hill Anglican College Redevelopment (SSD 8006) – Conditions E7 and E8

Thank you for your letter received on 8 October 2019 seeking advice in relation to the Department's position regarding conditions E7 and E8 of the development consent for Rouse Hill Anglican College Redevelopment (SSD 8006).

Condition E7 provides:

Noise associated with the operation of any plant, machinery, School public address system, school bell or other equipment on the Site, must not exceed 5 dB(A) above the background noise level when measured at the boundary of any sensitive receiver.

Condition E8 provides:

The Applicant must undertake short term noise monitoring in accordance with the Industrial Noise Policy 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 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.

The Department has considered your request and can confirm the intent of conditions E7 and E8 of the consent was to capture 'any plant, machinery, public address system, school bell or other equipment on site' and not vehicular movements within the site.

Further, the Department can confirm that the intent of the conditions was not to apply the Industrial Noise Policy (INP) to other school noise sources such as lunchtime activities, school sport or lawnmowing. In the case of educational establishments, the Department's understanding is that the INP should apply to regular continuing activities that are of an industrial nature such as mechanical plant.

I trust this information is of assistance. If you have any enquiries, please contact me on 8275 1317 or jason.maslen@planning.nsw.gov.au.

Yours sincerely

A handwritten signature in dark ink, appearing to read 'J.M.L.', written over a light blue horizontal line.

Jason Maslen
A/Team Leader
School Infrastructure Assessments