

21 February 2025

6551R20250221as4PinesTruckBar

4 Pines Brewing Co.

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### ACOUSTIC IMPACT STATEMENT

#### 10/9-13 & 1/9-13 Winbourne Road, Brookvale (4 Pines Truck Bar)

#### Proposed modification to approved trading hours and patron numbers (MOD2025/0042)

Koikas Acoustics Pty Ltd has been engaged to conduct a review of potential acoustic issues related to the modification application (MOD2025/0042) for the 4 Pines Truck Bar site at Units 10 & 11 of 9-13 Winbourne Rd, Brookvale, concerning a proposal for increased hours and patron numbers. The following table summarises the existing approved and proposed use of the site:

Table 1. Summary of the proposal		
Description	Approved under MOD2020/0658	Proposed under MOD2025/0042
Trading hours	4 pm to 12 am (Mon-Fri) 12 pm to 12 am (Sat-Sun)	12 pm to 12 am (All days)
Patron numbers	100	Min. 30 from 12 pm to 4 pm (Mon-Fri) 200 from 4 pm till close (Mon-Fri) 200 (Sat, Sun, public hols.)

As such, the proposal relates to:

1. An extension of approved hours between 12 midday and 4 pm (Monday to Friday).
2. An increase in patrons from 0 to 30 between 12 pm and 4 pm (Monday to Friday), and from 100 to 200 at all times thereafter.



In terms of the potential for noise impacts associated with the proposal, we note that the subject site is located within the Winbourne Industrial Estate along with several other industrial uses. Industrial receivers will not be sensitive to noise emissions from the site. The nearest sensitive residential receivers are located:

- About 500 metres east of the site on Abbot Road.
- About 410 metres south of the site on Wattle Road.

These residential receivers also benefit from the fact that several existing industrial buildings are positioned between the 4 Pines site and the residences, meaning significant acoustic screening which will lower any received noise at the residential boundaries.



Figure 1. Area map with zoning and residences marked (Source: NSW Planning Portal)

Over these distances and with the inclusion of existing industrial lots providing acoustic screening to the residences, resultant noise levels considering the proposed modified site parameters (trading hours and patron numbers) will be negligible relative to existing ambient noise in the area.

The following table presents a general calculation of noise emissions from the proposed 4 Pines Truck Bar site with 200 patrons, with receiver levels calculated at a distance of 410 metres, generally consistent with the nearest residents in Wattle Road. The result indicates an expected noise level of about  $L_{Aeq}$  20 dB which is:

1. Well below the minimum default background levels presented in the NSW EPA Noise Policy for Industry, being 35 dB(A) day/evening and 30 dB(A) night.
2. Expected to be inaudible at the residential dwellings.

<b>Table 1. Calculation of noise levels at the nearest residence</b>									
<b>Description</b>	<b>Octave band centre frequency [Hz]</b>								<b>Total</b>
	<b>63</b>	<b>125</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>2000</b>	<b>4000</b>	<b>8000</b>	
Sound power level of 200 patrons [ $L_{Aeq}$ – dB]	52.3	72.4	85.9	94.3	93.5	90.7	84.5	77.4	98.4
Distance attenuation [dB]	-57.2	-57.2	-57.2	-57.2	-57.2	-57.2	-57.2	-57.2	-
Barrier attenuation [dB]	-11.7	-14.2	-17.0	-19.8	-20.0	-20.0	-20.0	-20.0	-
Calculated receiver level [ $L_{Aeq}$ – dB]	-16.6	1.0	11.7	17.3	16.3	13.5	7.3	0.2	21.5

In light of the above, we are satisfied that the proposed use of the 4 Pines Truck Bar site with increased patrons and trading hours will not generate any adverse acoustic impact for nearby noise-sensitive receivers.

