

20191301.2/1107A/R0/VF

11/07/2022

St Johns Park Bowling Club  
93 Edensor Road  
ST JOHNS PARK NSW 2176

Attn: David Marsh

Wallacia Country Club - Revised Proposal Assessment

## 1 INTRODUCTION

This letter provides our review of the proposed changes to the previously assessed proposal. Our report ref: 20191301.1/1129A/R3/TT dated 28/03/2022. The current proposal plans are shown in Appendix 1.

The effect of the proposed changes has been predicted based on the same assumptions and criteria adopted in the previous assessment.

## 2 PROPOSED CHANGES

Examination of the drawings indicate that the change that may potentially impact noise emissions is the relocation of the gaming area from the southern façade to the eastern façade. Notwithstanding that this has also resulted in a reduction of the size of the ground floor smokers' terrace, the effect of the relocated gaming area has been assessed.

## 3 GAMING AREA NOISE ASSESSMENT

This assessment has been undertaken for the following closing times:

- Sunday to Thursday – 10pm
- Friday and Saturday - midnight

The assessment has been undertaken using the same assumptions as the previous assessment. The location of the gaming area is a similar distance to the residential property at 21 Park Road. The primary difference is that the roof is now covered, and ventilation is provided via louvres located on the façade, so a different attenuation strategy (i.e. acoustic ventilation louvres) is needed.

In addition, noise emissions to the north through the “air lock” onto the terrace has been assessed at the most impacted receivers, which would be around 1580 Mulgoa Road. Provided the absorptive treatments indicated in the recommended treatment below is installed, noise emissions to these residences will comply.

The following recommendations are made to control noise emissions from the relocated gaming area to comply with the nominated noise criteria.

- Line at least 70% of the total ceiling surface areas with a material having a minimum noise reduction co-efficient of 0.75.
- Similarly, the inside face of solid (unglazed) bounding walls to the Outdoor Gaming Area are also to have noise absorptive lining with a material having a minimum noise reduction co-efficient of 0.75.
- Any louvres in the east or south facing walls must be acoustically rated equivalent to Fantech ASB with the following minimum insertion loss:

Table 1 – Outdoor Gaming Acoustic Louvres Insertion Loss, dB

63	125	250	500	1000	2000	4000	8000
1	3	7	11	12	10	10	9

- A 1.8m high imperforate fence between the Club carpark and the residence at 21 Park Street.
- Other external walls and glazing to be rated at minimum  $R_w$  30 (eg 6.38mm laminated glass).
- Gaming Machines are not to dispense coins.
- Noise level from machines must not exceed 65dB(A) at 1m distance from the machine.

## 4 CONCLUSION

A review of the proposed changes to the previously assessed proposal has been undertaken to assess the effect on noise emissions and compliance with the previously established criteria.

The effect of the proposed changes has been predicted based on the same assumptions and criteria adopted in the previous assessment.

The primary change in respect of noise emissions is the relocated outdoor gaming area. Treatment has been recommended in the report that will achieve compliance with the noise criteria during all operating hours of the gaming area.

Yours faithfully,

A handwritten signature in black ink, appearing to read 'V Fattoretto', with a stylized, cursive script.

Acoustic Logic Consultancy Pty Ltd  
Victor Fattoretto



