

[REDACTED]

From: Rachel Davies [REDACTED]
Sent: 13 September 2017 13:37
To: Simon Davis
Subject: RE: P/54/17/PL - Church Farm Holiday Village [NLP-DMS.FID411440]

Simon

Please find attached the Noise Report which sets out investigations carried out on the central complex and the resulting actions to mitigate noise break from this area (including a new roof and soundproofing). Since these works were completed and the actions followed in 2009, the Park has no records of issues in relation to noise.

As set out below, the park is anticipating to have a medium to low usage in November, therefore, the existing noise management actions in place will be more than sufficient to ensure no adverse impacts on surrounding amenity.

Kind regards
Rachel

Rachel Davies
Associate Director
Lichfields, 14 Regent's Wharf, All Saints Street, London N1 9RL
[REDACTED]

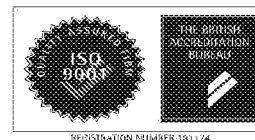
lichfields.uk

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 *Think of the environment. Please avoid printing this email unnecessarily.*



Philip A Northfield & Associates *Acoustical Consulting Engineers*



Senior Partner B K Goldsmith BSc(Hons) MIOA

Report Number P132/707/ Add1

ENVIRONMENTAL NOISE ASSESSMENT

Carried out for

Bourne Leisure Limited

at

**Church Farm Holiday Village
Church Lane
Pagham
Chichester
West Sussex
PO21 4NR**

Survey Dates:

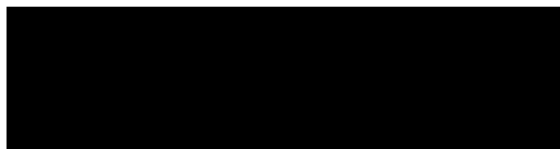
March, April, May 2009

Client:

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Reviewed:

J. A Northfield

Date:

12th July 2009

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1. Introduction

- 1.1 This addendum refers to the assessment (P132/707) that was carried out by Philip A Northfield & Associates (PANA) in respect of The Showroom Bar at Church Farm Holiday Village, Pagham, West Sussex.
- 1.2 The purpose of this report is to discuss the likely mitigation of music noise break out from the Showbar resulting from measures that have been implemented to date and to provide recommended next steps.

2. Summary of Original Recommendations

- 2.1. Request a manufacturer's survey of the acoustic emergency doors and consider construction of external vestibules.
- 2.2. Management of sound level output from music acts is necessary and should include enforcing the use of limiter electrical power outlets and possibly tuning of the equaliser equipment.
- 2.3. The extra sound insulation measures implemented in April/ May should be extended to cover the entire auditorium ceiling area; the mansard style tiled roof as well as the flat roofed annex building alongside the stage. If this is not possible then the insulation measures should cover the ceiling of the entire width of the hall to, at least, half of the length of the hall and include the mansard roof and annexe.
- 2.4. Attenuation of air extract grilles and HVAC fresh air inlet and discharge to atmosphere terminal points.
- 2.5. Regular communication and consultation with the Local Authority's Environmental Health Officer, particularly with agreeing acceptable levels of external noise due to live music entertainment within the Showroom Bar.
- 2.6. Continued consultation with nearby residents, pursuant to the conditions of the Showroom Bar licence.

3. Actions Taken

- 3.1. *Emergency acoustic doorsets* (2.1). Escape of sound from these two sets of doors that face the nearby residential areas would directly contribute to the levels of noise breaking out from the Showbar and impacting upon properties in Sea Lane. These doorsets have been resealed by the suppliers and it is understood that this has now reduced the music noise break out through the doors.
- 3.2. *Management of sound level output* (2.2). PANA are informed that work undertaken by Alan Boyd to rebuild the music system processing map and 'time alignment' of the system will provide an improvement in sound quality and then allow reduction in music levels within the Showbar.
- 3.3. *Management of sound level output* (2.2). Use of a drum mat to dampen drum vibrations. These vibrations tend to normally be at a relatively low frequency and, as such, are not readily attenuated by the existing building envelope or by the outside atmosphere. Reductions in music noise levels in the region of 63 Hz/ 125Hz are likely to reduce the noise level break out.
- 3.4. *Management of sound level output* (2.2). Improvement of stage dressings will increase the sound absorption properties of the stage area and could further decrease the levels of noise break out from the Showbar.
- 3.5. *Regular consultation with the Local Authority's Environmental Officer* (2.5). There has been regular contact between Mr Graham Evans of Arun District Council (ADC) and the owners of the Showbar. It is understood that ADC are to attend an appraisal of the Showbar acoustics and noise break out that is scheduled for Wednesday 15th July 2009.
- 3.6. *Continued consultation with nearby residents* (2.6). Some residents have direct telephone access to the onsite Showbar owners/ managers.

4. Recommendations

- 4.1. It is understood that the improvements in the music sound system will result in reduced internal music noise levels and that this will be appraised on 15th July with ADC in attendance. A reduction in internal sound pressure levels will reduce the level of noise break out from the Showbar to the surrounding environment.
- 4.2. Further measures and improvements to the sound system that could reduce the noise break out levels are proposed by Alan Boyd. It is recommended that these measures are implemented and monitored throughout the rest of the summer season.

- 4.3. Appraisals at the end of the season of the efficacy of the improvements to the sound system and stage area, at that time consider whether upgrading the sound insulation properties of the building envelope is necessary.



B. K. Goldsmith BSc (Hons) MIOA

Philip A Northfield & Associates