



Reference: 24.4.26, Alresford Hall

Project No: 2623709

Noise Management Plan

Re: Alresford Hall. Sealed Knot Society Event

This document is intended to provide a simple, non-technical guide, to help manage noise and minimise disturbance to neighbours. An English Civil War re-enactment needs to balance historical authenticity with environmental, and community expectations.

The main noise sources for this event have been considered within the noise survey, assessment and report provided with the event documentation.

In summary these are: Firearms such as muskets and pistols, artillery cannons and drums for the re-enactment events.

Live music is being provided in the evening at the marquee/bar next to the campsite for the re-enactors. (This is not a public event)

Managing Noise from the event:

Re-enactment:

In terms of mitigation, inevitably the firearms will be clearly audible however, the proposed layout of the battle field is laid out such that any down the line shooting direction (which is the loudest direction of shooting) towards residential properties will be minimised. The nearest residential properties will be generally at 45 -90 degrees from the direct line of fire minimising impact as far as is reasonably practical at these properties.

The battle re-enactment will be over a period of 2 hours between 1400 and 1600 hours on both days of the event. There will be no morning or evening firearms activity.

Each army will be restricted to 4 cannons and these will be restricted to 6 shots each with no cumulative volleys planned.

The amount of black powder charges will be restricted to 4 ounces and no wadding is proposed, minimising cannon noise as far as is reasonably practical.

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Music Noise

There are three basic concepts to managing noise:

- Reduce noise at source.
- Prevent noise escaping.
- Noise Management.

Reduce Noise at Source:

- Volume Control

It sounds simple, but one of the best ways of controlling noise is keeping the volume level down. The basic form of this is simply turning the control on sound amplification systems down. More complex sound control systems may have sound compression systems and mixing decks and different controls for bass or treble (low and high frequency sound). It is more important to reduce or control bass, as this travels through building structures more easily and causes the “thump-thump” beat which can cause disturbance.

Liaison with the Local Authority Environmental Health Officer prior to the event has concluded that a music noise level at the marquee dancefloor of 90 dB $L_{Aeq 5'}$ has been considered acceptable.

It should be noted that music provided for this type of event is not comparable to night-club type levels.

Speakers that are right for the type of venue and entertainment will be provided. There is no need for an over-sized powerful speaker system for this type of venue and audience.

Prevent Noise Escaping:

- Although the venue will be a marquee with little in the way of attenuation qualities, loudspeakers are normally able to direct sound at a target area, i.e. the audience. The loudspeakers will be focused on the area where the audience will be, in order to reduce the over-spill into the surrounding area. This has been shown in the SoundPLAN computer modelling provided in the even noise assessment and to the satisfaction of the Local Authority Environmental Health Officer.

Noise Management:

Noise issues are being taken seriously by the event organisers. Good management practice helps to manage noise effectively. The following points are being implemented by the organisers:

- There will be communication with all music suppliers in advance of the event to discuss noise management and the venue’s responsibilities to maintain a reasonable agreed sound level.

- A “sound-check” before an event starts and set a volume level for the sound system that shouldn’t be exceeded.
- There is a strict finish time of 2300.
- Make sure the performer knows what volume level has been set and what time the performance needs to end.
- Manage access to volume controls on the amplifier, compression system or mixing deck.
- Monitor noise levels during the performance and at the site perimeter.
- Take action to reduce noise if it’s too loud and record what has happened.
- Take any complaints from neighbours seriously and let them know what you have done to control noise.
- Provision of contact number for any noise issues arising.
- Completion of event monitoring form to be kept for LPA inspection if required.
- No fireworks or pyrotechnics
- No emptying of bottle bins until the following daytime.