



NOISE MANAGEMENT PLAN

Careful consideration will be given to implementing and exercising a noise management programme during sound checks and we will manage the entertainment noise from the venue.

The noise management programme fundamentally follows the procedures that have been successfully adopted at outdoor concerts and festivals over the past 30 years throughout the UK and are detailed below:

MITIGATION MEASURES

PLANT NOISE

All plant noise associated with the event (generators, chillers etc) will be located as far away from noise sensitive properties as possible. Where required, appropriate mitigation measures will be considered.

SITE DESIGN

As the event organiser we will liaise with the sound system supplier and local authority to find the most appropriate site layout that would minimise the noise impact at off-site locations

SOUND SYSTEMS

The sound system suppliers will be informed of the requirements of strict noise management and the type and location/orientation of their systems. Their contract of hire will also specify that the overall control of noise levels will be set by us the Promoter.

The sound system should be set up in such a way as to minimise the noise impact at noise sensitive properties. Where possible, sound systems should be 'line-arrays' which provide improved sound coverage and reduced overspill to intended coverage areas. It is recommended that the sound system is hung as low as possible in order to take advantage of any barriers provided around the event arena and minimise the distance between the sound sources and audience areas. The loudspeakers should have as narrow horizontal dispersion as possible and be directed inwards to reduce overspill from the intended coverage area. In addition, multi-band compression and graphic equalizer units should be included as part of every sound system in order to control and limit the output from the sound systems. Careful and detailed alignment of the system will be ensured to optimise the coverage throughout the audience areas and balance this against the off-site environmental noise impact.



In addition, delay speakers are to be used in the main arena in order to distribute the sound evenly and provide coverage to smaller areas. This type of configuration effectively means that the sound system does not need to operate at as high levels to provide even coverage to the intended audience area at the back of the arena.

We will review the sound system and other noise sources and work with the council to minimise noise disturbance.

PRE-EVENT INFORMATION

A letter or newspaper advertisement will be circulated to local residents at least 2 weeks prior to the event, informing them of the details of the event and including start and finish times of both the event and any sound-checks. The letter or advertisement will also include a dedicated telephone number for noise complaints. The information contained in the letter or advertisement and the addresses of residential areas to receive the information will be agreed in writing prior to distribution with the local authority. The complaint line telephone number will be confirmed.

A telephone complaints line will be made available for the duration of the event. Should any noise complaints be received, the onsite levels set during the propagation test will be checked and any adjustments necessary will be applied.

A complaints log will be maintained throughout the event, detailing addresses of complaints, times and actions. We will advise the Environmental Health Department of the likely times of rehearsals and sound-checks, although this is unlikely to be known until very near the production set up.

All noise meters used during the propagation test will comply with the required standards and be calibrated.

We will liaise with the Council and comply with their complaint procedures.

We will comply with any reasonable instructions given by the licensing authority.

The communications protocol will be agreed with the local authority and reviewed to ensure effective and responsive communication channels are established and maintained between all relevant parties throughout the event.



NOISE MANAGEMENT PROCEDURES

NOISE PROPAGATION TESTS

Prior to the event, the production team will carry out short sound checks and as part of this process, sounds consultants will undertake noise propagation tests to correlate the event noise levels at the mixing desk with those observed at the most sensitive sound control positions. This will be done on the first day of the event before the doors are open to the public. The results of these tests will be used to 'fine tune' the sound system in order to maximise the containment of music and set an appropriate noise limit for each sound source.

NOISE LEVELS

The MNL will not exceed 65 dB(A) over a 15-minute period. The MNL will not exceed the background noise level by more than 15 dB(A) over a 15-minute period.

NOISE MONITORING WITHIN THE VENUE

Onsite levels will be set during the propagation tests for each of the sound sources. This will primarily be the Cinema but also will include any sponsors and/or concessions that are likely to play any recorded music.

Each sound source will be set a level based on the measured levels outside of the venue at the specified noise monitoring locations to check compliance with the agreed offsite limits. A level set by a propagation test over one or two minutes is a 'worst case' as it generally results in a limit at 1 or 2 dB below a time averaged Leq. This provides a comfortable margin.

NOISE MONITORING OUTSIDE OF THE VENUE

During the event regular subjective checks will be made by members of the production team to assess whether any adjustments to onsite levels may be required. If in the unlikely event that a noise complaint is received during the event a member of the production team will revisit.

TELEPHONE COMPLAINTS LINE

The telephone complaints line will be confirmed prior to the event.



SUMMARY REPORTING

A summary report will be produced after the event which will include all noise measurements and observations made during the propagation test and event. This will be made available to the local authority on request.