

Appendix F

NOISE MANAGEMENT PLAN

The primary objective of this Noise Management Plan is to minimise amplified noise impact from the activation area to any adjoining residential locations and a clear guideline for SunCentral management of our programmed events and external operators. As outlined throughout this management plan there is a clear distinction between 'daily activities' across the week and larger programmed events. The NMP sets the parameters and strategy for all amplified sound. For ticketed events by private operators that include the sale of alcohol must at all times comply with the permit noise emission limits specified under the Office of Liquor and Gaming (OLGR).

The dominant existing ambient noise sources are predicted to be local traffic, wind, general noise from the business aspects of the area and any on-going construction noise.

STAGE NOISE CONTROL

The sound reinforcement system for any activation, concert or performance must be operated at all times by a fully briefed and professional sound engineer.

Sound operators will follow instructions given by venue staff and event managers to quickly attenuate volume if noise limits are breached, complaints are received or if volume is deemed excessive. When possible the sound reinforcement system should incorporate the following strategies:

- A modern line array speaker system should be used due to its high level of physical and electronic directivity
- The sound system should be directed down and into the audience area.
- Electronic limiters to be applied at the amplifier stage of the sound system to act as protection against unexpected peaks in acoustic energy.
- The low frequency reinforcement system to be driven from an independently controlled processor channel that will enable attenuation easily and quickly without interrupting performance.

NOTIFICATION TO LOCAL RESIDENTS

For any large or potentially loud events the local residences will be notified via 'letter box drop' with the following details

- Relevant event dates
- Start and finish time for the event
- Complaints and information hotline number

COMPLAINTS HOTLINE NUMBER

For the duration of any event, including the build and dismantle phases, there will be a complaint and information hotline in operation. This hotline will be monitored by event staff.

In the event of a complaint about noise being received during the build or dismantle phases of the event the designated Site/Event Manager or venue representative will log the complaint and investigate the issue onsite. The person taking this call will record as much information as possible.

In the event of a complaint being received during the event, the person taking the call will record as much information as possible. At the conclusion of the call, information about the complaint will be passed onto the event manager onsite, who will respond to the complaint. This response could be one or more of the following:

- Telephone the complainant
- Check that front of house noise levels are in compliance with the noise limit
- Visit and discuss the complaint with the complainant, conduct noise level readings at the complainant's premises (working in a pair)
- If the noise of amplified music from the event is in excess of the noise limit, reduce the sound system volume as required

NOISE LIMIT – RESIDENCES

For outdoor events the noise limits, in accordance with Environmental Protection Act 1994, are:

An occupier of premises must not use, or permit the use of, the premises for an open-air event

- Before 7am, if the uses cause audible noise or
- From 7am to 10pm, if the use causes noise of more than 70 dBA or
- From 10pm to midnight, if the use causes noise of more than the lesser of the following:
 - 50dBA
 - 10dBA above the background level

NOISE GUIDELINES – FRONT OF HOUSE

The effectiveness of these limits will be monitored and adjusted if required once the event space has been established.

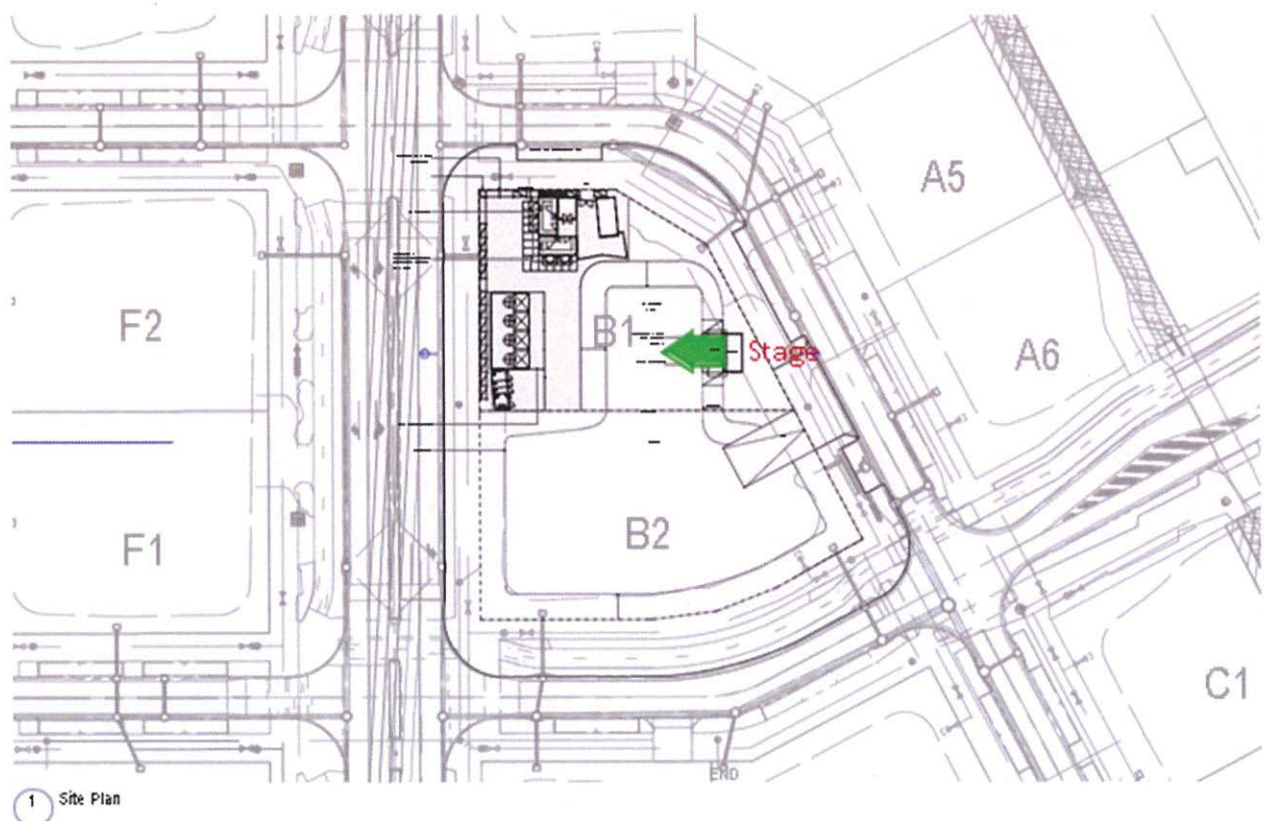
- 95dBA LAeq 5min for FOH @ 15m
- With respect to bass, the suggested sound limits are:
Event with 601 – 2000 patrons 108dBC for FOH @ 15m

Compliance with the above FOH sound limits should result in compliance with the 70dBA noise limit at the closest residences. These limits may have to be adjusted during the event and there should be an allowance of +/-3dB to allow for the fact that it could take more than one sample period to adjust the volume to achieve compliance with the above noise levels.

NOISE MONITORING

If any of the FOH noise limits are exceeded or if a sample of more than 70dBA is recorded at any of the nearby residences the Event Manager must take steps with the source in question and work with the sound system operators to reduce the volume sufficiently to achieve compliance at the closest residences.

Stage Location and orientation



IMPLEMENTATION AND REVIEW

The effectiveness of this report and the suggested limits should be reviewed on a regular basis during events at the site.

All noise level measurements during this review should be conducted in accordance with the following:

- general requirements of the Environmental protection legislation;
- Environmental Protection (Noise) Policy 2008;

- Noise Measurement Manual, Queensland Government – Department of Environment and Heritage Protection, Version 4, 22 August 2013;

This Noise Management Plan was created with technical advice from Quentin Leveridge QUEvents.