



Morden Park Eastern Electrics Event, 3rd-4th August 2019 **Noise Management Plan V4**

A. Objectives

- 1** Together with the organisers, Anderson Mitchell have produced this Noise Management Plan (NMP) which sets out the planned steps and measures that the organisers will take to manage noise from the event and its potential to cause disturbance.
- 2** The NMP needs to be considered together with details of the proposals contained within the operational plan. The NMP is a working document subject to change and amendment prior to the event to allow for changing circumstances and input from Merton Council Officers. All changes will be notified to Local Authority officers and issued as an amended NMP prior to the event. It is accepted that this document forms part of the licence proposal and that the organiser is therefore committed to implementing the NMP. Any changes will be minor and will not impact upon the licensing objectives. Wherever possible all such changes will be agreed with the appropriate Merton officers.
- 3** The primary objective is to monitor and manage the noise levels on and off-site to minimise disturbance to nearby residents and ensure that the noise conditions attached to the event's licence are complied with. This objective is assumed compatible with the need to ensure sufficiently high levels within the venues to ensure audience satisfaction.
- 4** The Anderson Mitchell Noise Team (AMNT) will pursue the primary objective by measuring noise levels on and off-site, sharing information with Merton officers, and effecting changes to on-site levels to ensure the primary objective is achieved.
- 5** Control will also be affected over additional noise sources eg traders.

B. Noise Management Resource-personnel and equipment

1 The organisers, We Are The Fair, have contracted Anderson Mitchell to provide the acoustic advice, monitoring and liaison role. There will be a team of 4 provided by Anderson Mitchell¹ for the duration of the event. Steve Anderson is the principal consultant who will manage the team and take the lead role in resolving any noise issues and liaising with the Licensing Authority.

Anderson Mitchell provides acoustic services to a variety of clients including other local authorities and festival/dance organisers. Steve is a qualified Environmental Health Officer and holds the Diploma of the Institute of Acoustics as well as Noise at Work and Environmental Noise competence certificates. The remaining staff will be Environmental Health Practitioners experienced in environmental noise assessments and events, Acoustic

¹ This NMP does not bind organiser to using Anderson Mitchell and the plan provides for other contractors of equivalent competences to be engaged.

Consultants, or event production staff/engineers familiar with events, stage PA equipment, and their management.

- 2** All sound level meters used for environmental monitoring will be integrating meters to Type 1 specification and subject to a current calibration. At least one of the meters will be capable of real time octave and one third octave band analysis.
- 3** Additional meters will be provided to monitor levels within the venues and may be installed for the duration of the show dependant upon security of location at "front of house" positions. It is intended to provide metering to the 4 largest venues.

C. Monitoring Strategy

- 1** The noise team will be on-site from 10.00 until 22.30 on the 3rd and 4th. One member of the noise team will be deployed for off-site monitoring. 2 staff will be mainly engaged in on-site venue level monitoring, with the 4th member available as a floating resource, to co-ordinate the exercise, conduct additional off-site measurements, investigate complaints or other problems, provide a contact point for Merton officers, check compliance with the miscellaneous noise conditions.
- 2** Short term Leqs will be measured off-site to ensure levels are controlled in the shortest possible time. Where the Music Noise Level (MNL) is measured at or in excess of the licence conditions as short term Leq then off-site measurements will be immediately relayed on-site in order that the stage levels are managed to ensure compliance in the shortest time possible.
- 3** Where such a potential breach situation is identified it will be necessary to ensure the on-site AMNT members are mobilised on site and the process will be managed to
 - a. identify the stage(s) requiring levels to be reduced or modified and
 - b. the guide stage level(s) reduced and new stage level(s) set.
- 4** The results of any action will be reviewed by the off-site monitoring consultant. From becoming aware of a potential breach or actual breach of the licence conditions there will be a target response time of 20 minutes to identify and modify source levels.
- 5** Details of any breach/infringement, cause and any remedial action taken shall be recorded and those records made available to officers from Merton upon request.
- 6** Amplified music shall not be permitted outside of the hours of 11.00 to 22.30 (22.00 on Sunday) on show days with the exception of sound test/checking which may be carried out on the day prior to the commencement of the event between the hours of 16.00 to 18.00, and on the show mornings between 09.30 and 10.45.
- 7** The control limits set on site shall ensure that a Target Music Noise Level (MNL) of 65dB LAeq (15mins), measured at the monitoring locations, shall be achieved. Where the Target MNL of 65dB LAeq (15mins) is exceeded then suitable and appropriate action shall be taken to meet this Target Level. An Absolute MNL of 70dB LAeq (15mins) measured at the monitoring locations shall not be exceeded.
- 8** Measurements will include octave and one third octave band measurements where useful in the identification of any intrusive frequency. In particular routine measurements will be made of 63 Hz octave band levels. Where the 63Hz octave band level exceeds 85dB then further analysis will be carried out to determine any particularly intrusive third octave frequencies that warrant control.

9 The on-site member(s) of the noise team will be primarily concerned with monitoring levels within the venues. This part of the exercise will provide quantitative information on levels to assist in the situation where they need to be reduced.

10 Fixed locations will be established within each venue at the front of house (FOH) sound/lighting engineer or other suitable position from which to take measurements and where practical a meter display system installed for the duration of the event.

D. Environmental Monitoring Sites

1 Actual sites will be finalised and mapped with the agreement of Merton officers to ensure complete consistency of measurements and observations. The monitoring of these sites will be determined prior to, and as the event progresses dependant upon weather conditions i.e. those locations with the most critical levels (in relation to the licensed levels) will be monitored more often than secondary sites where periodic checks will be made to validate this approach.

2 The selected monitoring sites are shown in plan at Appendix 1.

3 Whilst the monitoring/licence criteria will be as a 15 minute LAeq, routine off-site monitoring of MNLs will be over as short a period as possible commensurate with acquisition of accurate data. In this way a contemporaneous understanding of off-site levels can be achieved in order that swift response can be made on-site to venue levels to avoid a monitoring/licence criteria breach.

E. Sound attenuation works to Venues/PA orientation

1 The PA systems are generally orientated into the middle of the site to minimise impact on most sensitive off-site locations.

2 All main PA systems on site will be provided by RSH which allows for greater coordination and control.

3 The main PA to the venues will be flow or stage stacked and angled down into the audience area to minimise spill, and cardioid subs will be used generally in venues to reduce wasted sub energy. See Appendix 2 for details.

5 There will be a staggered shut down of venues from 30 minutes prior to end of show on both days. The current proposal is attached at Appendix 3 and will be assessed dynamically on-site for implementation.

F. Setting levels in each venue

1 Noise levels will be monitored continuously throughout the event at each venue. If any guide level reaches the control limits set, the sound engineer will be advised and where necessary required to reduce the levels. In addition to the control of the overall sound level, frequency adjustments can also be made to reduce the sound at certain low frequencies, often characterised outside as a 'Bass beat', and MC vocals channel.

3 The venue guide levels will be modified should that be necessary throughout the event in order to ensure satisfactory off-site environmental levels.

4 The organiser will leave some "headroom" early in the event to provide a safety margin to insure against the consequence of adverse climatic conditions developing later during

the event, and to be able to allow some upward movement of levels should that be necessary to maintain audience satisfaction.

5 Measurements within the venues will be made from fixed locations to provide representative levels against which changes can be made and measured. Fixed metering displays will be set as A weighted rolling 5 minute Leq to provide a reference point for sound engineers as well as a slow SPL. Meter levels will be logged.

6 A meeting with all the sound engineers before the start of the event will be arranged to brief everyone of the noise control and management process.

G. Sound Systems configuration and management

1 The PA systems for all of the main venues are provided by RSH and will be supervising the remainder. Once installed systems will be set up and supervised solely by RSH engineers to achieve levels as mentioned above.

2 During the event any engineers for individual acts will have only limited control over the system in their area. When the systems are set up the act engineers will only have access to adjust the frequency and mix. The overall levels in the venues will be supervised by RSH crew.

H. Management of other potential noise sources

1 Traders will not be permitted PA systems.

2 Compressed air horns will not be permitted on the site and will be removed by security on search entry.

I. Liaison with LA and complaint handling

1 The AMNT will be contactable by Merton officers via mobile phone as well as the Event Control line. The AMNT will operate from the Production Office.

2 The AMNT will report directly to the Event Manager Yasmin Galletti. Steve Anderson will be primarily responsible for liaison with Merton officers. It is suggested that this may be through both programmed meetings if requested by Merton, as well as ad-hoc issue based discussions as and when circumstances necessitate.

3 The AMNT will seek to work closely with Merton officers, agreeing any changes to off-site monitoring positions, sharing noise data observations and other information wherever possible. A role that the AMNT will fulfil is to ensure that Merton officer requests are translated into action by the appropriate personnel within the Morden Event Control. All requests relating to noise will be routed through the AMNT to ensure any noise issues are properly managed and dealt with as soon as possible.

4 Morden will establish a Noise Hotline for any complainants when music PA is being used. The number (**TBC**) will be widely distributed to local residents a letter-drop. The number will also be provided for Merton to have available via their out of hours service should they wish. Any complaints will be logged and kept available for inspection by Merton Officers.

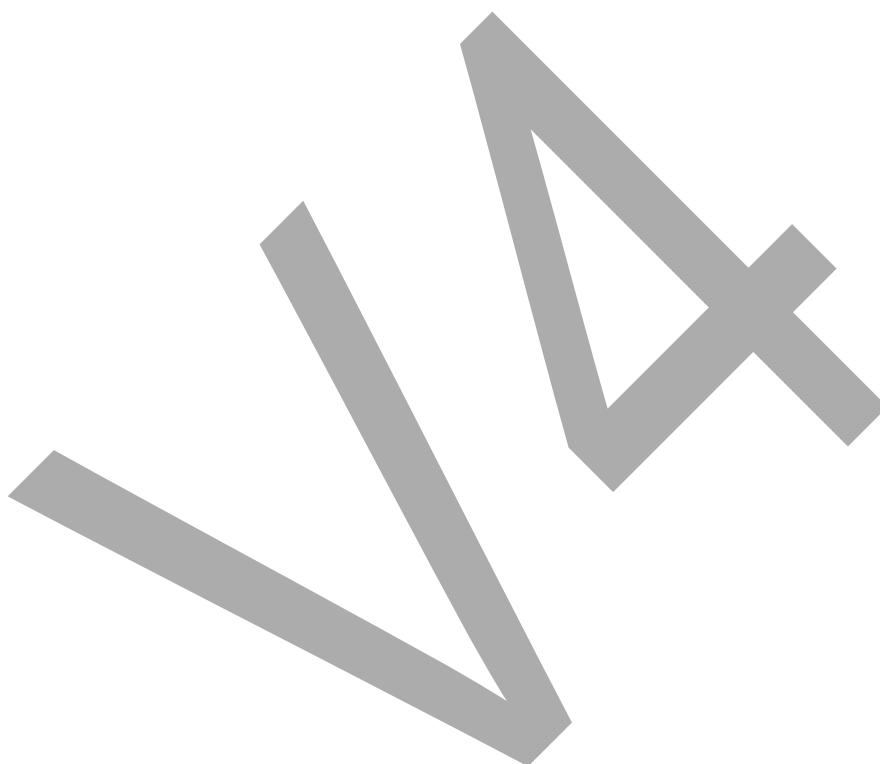
5 It is requested that in the event that Merton receive complaints directly via their out of hours service, then, in addition to any action which they may or may not take, any complaint will be relayed to the AMNT as soon as practical. Upon receipt AMNT will investigate where practical by directly relaying the matter to the off site team member. We

undertake to report back to Merton on any matters referred to the AMNT in terms of findings and action taken.

6 Merton officers will have access to any noise logs or measurements made during the event.

7 References to contact with Merton Officers during the event will be dependant upon Merton determining it that it wishes to attend the event and does not infer any commitment on the part of Merton Officers.

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Appendix 1- Monitoring locations



Appendix 2- PA description for main stages

Main Stage

Flown (higher than 2018) Array. Processed d&b J-Series Line Array, with cardioid J or B22 Centre Sub Array.

Big Top

Flown d&b V-Series Line Array, with delays, with cardioid V-Sub & J-Infra or B22 Centre Sub Array.

Switchyard

Flown d&b V-Series Line Array, with cardioid V-Sub & J-Infra or B22 Centre Sub Array.

Plant Room

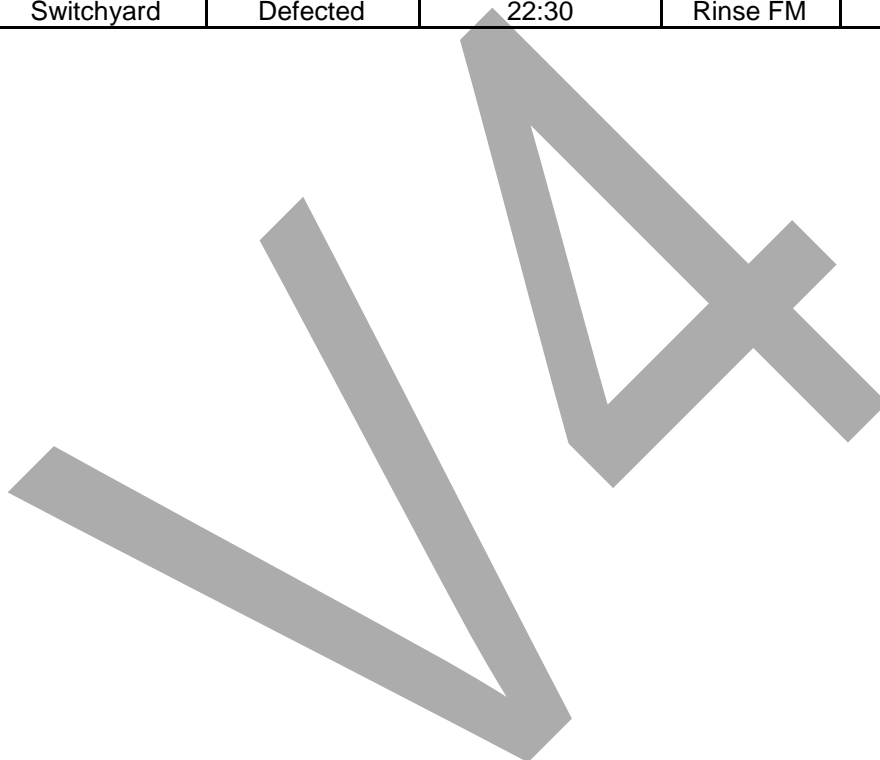
Ground stacked d&b V-Series Line Array, with delays, with cardioid V-Sub cabinets.

FutureEE

Ground stacked d&b V-Series Line Array, with delays, with cardioid V-Sub cabinets.

Appendix 3-Proposed stage close times

ARENA	SATURDAY BRAND	SATURDAY CLOSE	SUNDAY BRAND	SUNDAY CLOSE
Electric City	Tropical Tea Party	21:00	Croydub	21:30
Stretch Tent	FuturEE	21:15	Close	Close
Pool Stage	Ibiza Rocks	21:30	Kiss FM	21:15
Plant Room	Rinse	21:45	Matt Jam Lamont	21:30
Main Stage	Eastern Electrics	22:00	Eastern Electrics	22:00
Big Top	Skreamizm	22:15	RAM Records	22:00
VIP	Ministry of Sound	22:00 (music off) area open until 22:30	So Fresh So Clean	21:45
Switchyard	Defected	22:30	Rinse FM	21:00



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