

# Touchbase Festival 2023

1<sup>st</sup> February 2023

Norfolk Showground, Dereham Road, Norwich, NR5 0TT

## Event Noise Management Plan



Unit 1, Altitude Business Park, The Drift, Nacton Road, Ipswich, IP3 9QR

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## **1. Introduction**

### **1.1 Event description**

The Touchbase Festival is a Music event with the main attraction being two music stages. There will also be Bar and Catering facilities.

### **1.2 Premises Description**

The Norfolk Showground is a designated event space. It has a road network as well as grassed areas. It also features on site facilities such as Toilet blocks and Electrical boxes position throughout the site

### **1.3 Experience**

Eclipse Sound and Light has been operating since 2003. Eclipse Provides sound, lighting, staging, video and event management to many events throughout the country.

Eclipse provides solutions on dealing with the management of sound and regulatory compliance at outdoor and indoor events.

## **2. Sound Control Procedures**

### **2.1.1**

In order to ensure that the noise limits are complied with, the following noise control procedures will be implemented. These noise control procedures have been successfully used by Eclipse at similar events across the UK. A brief outline of the procedures are provided below.

### **2.2 Organisational controls**

The noise monitoring team will work closely with the sound engineers and event management team.

There will be a dedicated Noise monitoring engineer who will be available throughout the event. There will be a sound level meter permanently set up at the FOH position with the noise monitoring engineer providing rotational noise monitoring at specific locations.

### **2.3 Local Residents**

Local residents will be informed of a contact telephone number (that will be manned throughout the event) to enable them to register a complaint with respect to noise. Residents will be contacted prior to the event with the following information:

- Event timings
- Pre event sound check timings
- Contact telephone number

## 2.4 Sound system design

### 2.4.1 Supply

Eclipse Sound and Light will provide the sound systems and the technical team for the event. The main stage system is a Electrovoice Flown Line array system and the 2<sup>nd</sup> stage is a Turbosound system both with dedicated computer control. These systems allows for coverage of the audience area but with good control over off site spill.

### 2.4.2 Plan

Please find below (section 4.3.1) a plan of the site with prediction software showing the deployment of the system.

## 3 Music Noise Limits

### 3.1 Limit

The limit used will be guided by the general policy contained in the Noise Council COP on Environmental Noise Control at concerts – See Below table:

#### 3.1.2

Concert Days Per Calendar Year, Per Venue	Venue Category	Guideline
1 to 3	Urban Stadia or arenas	The MNL should not exceed 75 dB(A) over a 15 minute period
1 to 3	Other Urban and Rural Venues	The MNL should not exceed 65 dB(A) over a 15 minute period
4 to 12	All Venues	The MNL should not exceed the background noise level by more than 15 dB(A) over a 15 minute period

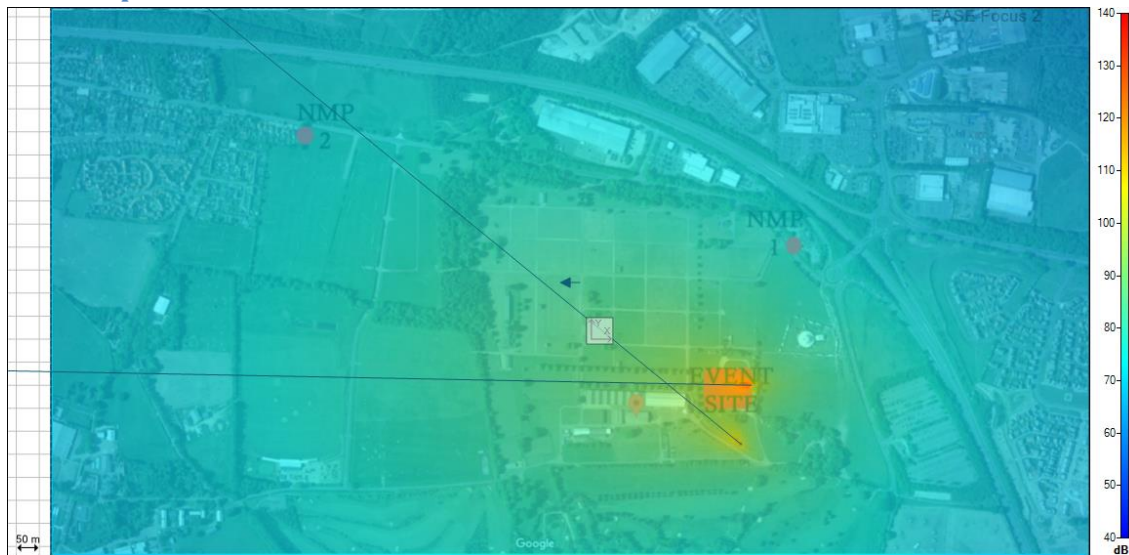
Using the table we have determined that the limit will not exceed the background noise level by more than 15 dB(A) over a 15 minute period. The background noise level will be measured prior to the event date.

### 3.2 Monitoring Locations



### 3.3 Sound system prediction

#### 3.3.1 Graph



#### 3.3.2 Comments on Sound system prediction

The graph is predicting an audience volume of 100 – 110dB(A) with a perimeter volume of -65dB(A).

### 3.4 Sound Propagation test

Sound tests will be carried out on the Friday prior to the event. This will involve playing a suitable track through the sound systems, the track should be a typical style of song of the event.

Measurements of sound levels should be taken simultaneously at the sound control positions and at the noise monitoring locations. The sound control position level should be set and monitoring will begin at monitoring point 1.

There will be constant communication between the monitoring team and the sound engineers. If the level is required to be reduced to comply with the limit then the new limit will be recorded.

Once we are satisfied that a suitable limit has been achieved at this location we will move onto monitoring point 2. Once at mnp2 the same track will be played through the systems while the new limit is abided by, if the MNL proves to be exceeding the limit then the MNL will be reduced to suit.

While the tests are carried out the sound systems can be fine tuned using digital signal processing to remove or reduce any problematic frequencies. This will enable the maximum level at the mixer in order to comply with the set limit.

### **3.5 Other noise sources**

#### **3.5.1 Generators**

There will be very few generators used on site due to the ample on site power. The only area that may require generators would be the concessions.

#### **3.5.2 Concessions**

The events management team will inform the concessions of the noise constraints that are required and will be periodically monitored and action taken if necessary.

## **4 Complaints**

Should any complaints be received; the information will be recorded on the complaint form shown at Appendix A and actioned appropriately

## **5 Conclusion**

This Noise management plan has been produced to adequately detail with the noise management methodology that will be implemented in order to minimise the effects of noise from live and recorded music and assist with compliance of the set noise limits to enable the event to operate without adverse impact from noise at nearby residential properties.

## Appendix A. Noise complaint form

Touchbase Festival 2022	Noise Complaint / Comment
Date and Time Complaint Received	
Name of Complainant	
Address of complainant	
Telephone Number and email of complainant	
Location of Noise disturbance	
Time Disturbance noted	
Nature of complaint (vocal, Bass, music in general, funfair)	
Additional Comment	
Visit Requested	
Action Taken	