

**Noise Monitoring and Risk Assessment Form**

Leicester Pride 31st August 2013

Victoria Park Leicester Running Time 12:00 to 20:00

**Part A** of this document provides a record of the Event Park Location

**Part B** of this document provides a record of noise measurements obtained for individual items of equipment or at specific locations. It is also essential to document the time individuals are exposed to particular noise levels, as risk assessment is based on overall noise exposure. A calculation of daily personal exposure to noise ( $L_{ep,d}$ ) is required; a calculator tool to help with this is available at [www.hse.gov.uk/noise/calculator.htm](http://www.hse.gov.uk/noise/calculator.htm).

**Part C** identifies controls which are required to minimise the risk of noise related ill-health. This section of the form must be completed locally by the person in charge of the workspace, with assistance from the noise surveyor and/or H&S office if required.

**Part D** of this document provides a record of the action plan to implement the necessary controls identified as part of the risk assessment. These controls must be brought to the attention of anyone who is exposed to the noise from the equipment surveyed.

The risk assessment should be reviewed if there is a change in the level of noise (e.g. due to equipment change) or the usage (e.g. increased exposure time).

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**Part A - Survey parameters**

<b>Location</b>	Nearest Residential House Victoria Park Leic
<b>Date and time of Event</b>	Saturday 31st August midday until 20:00
<b>Survey carried out by</b>	Craig Thorpe H&S Officer (Leicester Pride)
<b>Other persons present</b>	Event Manager Leicester Pride Phil Pitcher
<b>Reason for Checks</b>	L.C.C. Events
<b>Equipment used</b>	PA Systems x 4 (Main Stage DJ Stage, Red Tent and Gay Rainbow Bus)
<b>Test run time</b>	11:30AM <b>NOT BEFORE</b>
<b>Date of calibration</b>	Sound Meter Cal on 31st March 2013

All measurements are taken at the location where an operator would typically stand and at a suitable head height.

**Actions:**

1. Supply ear plugs for Security and Stewards working in front of stage and in and around DJ Tent,

2. Displayed Warning Signs ( High Noise Levels) Front of Stage and on entrance to DJ Tent.

## Part B – Noise exposure

Ref N°	Noise survey data				Exposure		
	Location/Item of Equipment	Noise level (LAeq)*	L <sub>CPeak</sub> *	LCeq* (plus noise type if applicable)	Exposure time	Exposure Points see HSE calculator	Equivalent L <sub>ep,d</sub> for this location / item of equipment
1	Main Stage	98db			8 Hrs		
2	DJ Stage/Dance Area/Tent	95db			8 Hrs		
3	Red Tent Small P.A. system	na					
4	Gay Rainbow Bus Small P.A. system	na					
5							
6							
7							
8							

### Cumulative L<sub>ep,d</sub> for exposure to multiple noise sources

Who is exposed to this noise risk? **Public & Leicester Pride Staff**

Are any of these individuals known to have pre-existing susceptibility to noise? **no**

\*LAeq and LCpeak measurements are required to help decide on the level of risk and what control measures are required.

\*LCeq is not required when determining risk. However, if hearing protection is one of the control measures recommended following risk assessment, LCeq will be needed to determine whether the chosen protection is suitable, using the formula **L'A = LCeq – SNR + 4**  
( L'A is the actual level of sound at the ear when hearing protection is in use and needs to be between 70dB and 80dB; SNR is Single Number Rating, this is provided by the manufacturer)

\*Noise type (High, Medium or Low frequency) is only required for noise with a peak pressure (LCpeak) greater than 135dB(C); again, this is needed to assess whether hearing protection is suitable.

## Part C Control measures

	Control measures	Yes	No
1	Is hearing protection mandatory – i.e. hearing protection zones must be marked?	yes	
2	Is hearing protection recommended?	yes	
3	Can the noise source be eliminated ?		no
4	Is additional maintenance required to reduce noise levels e.g. by lubrication, tightening, cleaning etc of equipment? (Reassess noise level after maintenance work is complete)		no
5	Can the equipment be modified to reduce noise at source e.g. damping, silencer, baffles?		no
6	Can inherently quieter components be selected e.g. slotted circular saw blades on woodworking equipment or quieter fans? (Reassess after replacement)		no
7	Can the equipment be isolated i.e. removed to another location away from people at work?		no
8	Can the equipment be enclosed?		no
9	Is a noise refuge area needed?		no
10	Can absorptive material be used to deaden noise in the workspace ?		<b>no</b>
11	Do staff need training or information on the noise risks?	yes	
12	Is health surveillance required ?– (for all with $L_{ep,d}$ in excess of 85 dB)	yes	

### Explanatory Notes

**Lower Exposure Action Value** – 80dB(A) (personal exposure averaged over a day) or 135 dB(C) Peak sound pressure.

**Upper Exposure Action Value** – 85dB(A) (personal exposure averaged over a day) or 137 dB(C) Peak Sound pressure).

**Hearing Protection zone** - Any area where noise levels exceed the Upper Exposure Action Value must be designated as 'Hearing Protection Zones' and marked with appropriate signage. Within these areas, wearing of hearing protection will be compulsory, even though exposure may only be for short periods of time.

**Hearing protection** Hearing protection can be used as an additional measure once noise has been reduced as far as is reasonably practicable by other means; or as an interim measure pending noise reduction. It must not be used as the sole method of protection if personal noise exposures exceed the upper action value (85dB). Hearing protection provided must be suitable for the levels and type of noise individuals are exposed to. Hearing protection should be made available on request if noise exceeds the lower action value (80dB)

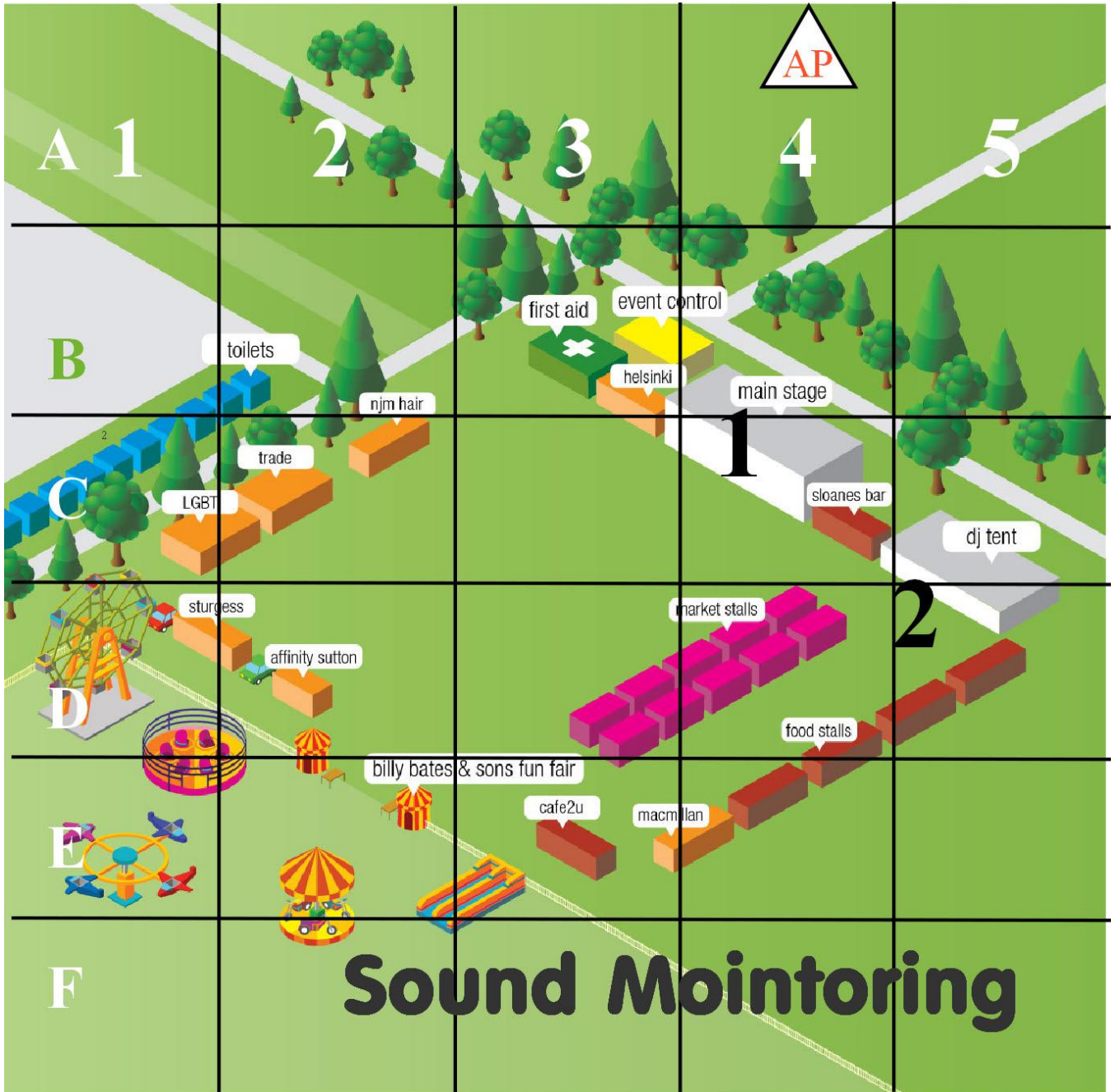
**Health Surveillance** is required for those who are exposed at an  $L_{ep,d}$  of 85dBA or above. It should also be provided for those exposed at an  $L_{ep,d}$  of 80dBA who are known to be vulnerable to noise related hearing loss.

**Part D Action Plan (Victoria Park Festival Site)**

Action Required	Who by	Due date	Action completed
<p><b>No Music from Stage or DJ Stage Before 12:00 Noon (Only Sound Check after 11:30 Allowed)</b></p> <p><b>Sound Level Check at 12:00</b></p> <p><u>Hourly Checks on the Day of Event</u> 31/08/13 from 11:00 – 20:00</p> <p><b>Sound from Main Stage</b></p> <p><b>Sound from DJ Stage Run End Time 19:00</b></p> <p><b>Sound from Red Tent (Not Used)</b></p> <p><b>Sound from Gay Rainbow Bus (No Used)</b></p> <p><b>TOTAL SOUND CHECK FROM 4 POINTS AS PER L.C.C. REQUIREMENTS - HOURLY</b></p> <p><b>FULL LOG REPORT AFTER THE EVENT</b></p>	<p><b>Craig Thorpe</b> See log sheet</p>		

**Site Plan (PA Systems are Numbered in Black 1 to 4**

**See list after Plan**





**Main Stage Number 1**



**DJ Stage Number 2**

**Red Tent Number 3 N/a**

**Gay Rainbow Bus Number 4 N/a**

**Risk Assessor:**

<b>Name</b>	<b>Craig Thorpe</b> Safety & Security Manager Leicester Pride 2013  <b>Contact Tel 07932 612 380</b> <b>Or Event Control</b>  <a href="mailto:craigthorpe@leicesterpride.com">craigthorpe@leicesterpride.com</a>	<b>Signature</b>  	 Craig Thorpe
<b>Job title</b>	<b>H&amp;S Officer (Leicester Pride)</b>	<b>Date</b>	<b>04/06/13</b>

		<b>Review date</b>	 1 6 0 8 1 2	D o c	 0 0 4
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**Log of Reading**

Time	Zone 1	Zone 2	Comments / Actions
12:30	Stage 107db	DJ Tent 102db	(Sound Check)
13:00	Stage 97db	DJ Tent 96db	
14:10	Stage 98db	DJ Tent 110db	Adjusted DJ Tent Volume <(98db)
15:00	Stage 97db	DJ Tent 98db	
16:00	Stage 89db	DJ Tent 99db	
17:00	Stage 97db	DJ Tent 88db	
18:00	Stage 101db	DJ Tent 98db	Adjusted Main Stage Volume <(98db)
19:10	Stage 98db	Closed End of Run Time	

**Sound Mointoring by Craig Thorpe 31<sup>st</sup> August 2013**

  
 Craig Thorpe

Signed Craig Thorpe  
 Leicester Pride Security & Safety Director 2013 Dated 02/09/2013