

APPENDIX 1D—HEALTH AND SAFETY SITE RULES

**HEALTH & SAFETY
INFORMATION AND SITE RULES FOR
CONTRACTORS
ENGAGED IN WORK
FOR
LIVE NATION (Music) UK Ltd.**

IMPORTANT

This document is supplementary to Live Nation (Music) UK Ltd standard terms and conditions of trade which are issued to all contractors and further copies are available upon request.

Health & Safety Policy Statement

Live Nation (UK) is committed to ensure the Health, Safety and Welfare of all its Employees, Contractors, Visitors, and Members of the Public.

Health and Safety is a prominent and permanent feature of all its activities.

It is the intention of the Company to reduce accidents at all sites by the effective management of Health and Safety.

To help achieve this aim, Live Nation (UK) will provide adequate resources to achieve and maintain the following:

- Machinery, equipment and plant that is safe and without risk to health
- Safe systems of work for all activities
- Sufficient information, instruction, training and supervision for employees on all aspects of safety in the workplace.
- A healthy and safe work-place and environment with sufficient welfare facilities

In order to discharge their H&S management responsibilities effectively, Senior Management and all Managers will make every effort to keep themselves informed and up to date with current and future H&S legislation.

Live Nation (UK) Employees (including Senior Management) must ensure the following:

- That reasonable care is taken to ensure their own H&S and that of any other person who may be affected by their work.
- That they support Live Nation in achieving and implementing the objectives outlined above together with following the appropriate control measures.
- That all accidents and near misses are reported promptly, whether persons are injured or not.


All staff are encouraged to make suggestions to their Manager or Health & Safety Advisor for improving safety at the workplace.

This statement is supported by more detailed safety procedures in the Health and Safety Policy, a hard copy of which is available for examination at each Live Nation production/premises.

The Policy & Procedures Manual has been produced in loose-leaf format to allow for the inclusion of updates. All productions/premises will be informed of updates, which will be available from the Live Nation Intranet Health & Safety (UK) site.

Paul Latham

Chief Operating Officer Live Nation International Music



Effective Date January 2009

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01 INTRODUCTION

The following rules are made by Live Nation (Music) UK Ltd (hereinafter called the Company and shall apply to all works carried out at Company premises; venues hired or in use by the Company (hereinafter called the location) by third parties under contract to the Company. (hereinafter called the Contractor)

1. All persons engaged by the Contractor at the location shall be acquainted with these rules and their consent to abide by them shall be an essential condition of their authority to work at the location. The Company reserve right to stop the work at the Contractors expense in the event of any violation of these rules. Further guidance will be provided, as required, by Company staff authorised to order the execution of the work.
2. The Contractor will take all necessary precautions in connection with the works, so as to be entirely consistent with the Company's policy:
 - To protect the Health & Safety of its employees and any other persons affected
 - To conserve the environment
 - To avoid any damage to the property as a result of its activities

02 BASIC REGULATIONS

1. All work carried out at the location shall be in accordance with:
 - Statutory regulations and their amendments
 - Company regulations and their amendments
 - Relevant British and European standards and their amendments
2. The Contractor is responsible for acts and omissions of his employees, agents, sub-contractors and their employees (hereinafter called his 'invitees' while at the location and shall ensure that they comply with these rules.
3. It is essential that the invitees of the Contractor shall read, understand and comply with any conditions or precautions laid down in these rules or in any order placed by the Company.

03 SAFETY POLICY

1. The H&S at Work Act 1974 requires any company that employs five or more people to write and distribute a safety policy to staff, stating the Company's commitment to H&S along with the organisation and arrangements to carry out the Policy.
2. The Company reserves the right to examine the Contractors and his invitees Safety Policies.
3. The Company will supply, upon request, their own Policy to the Contractor or his Invitees.

04 INSURANCE

1. Contractors and his Invitees must provide evidence to the Company that they have insurance in place with a reputable Insurer in respect of the following:
 - Employers Liability in respect of personal injury or death of any person arising under a contract of service with the Contractor and/or arising out of an incident occurring during the course of such persons employment in compliance with the Employer's Liability (Compulsory Insurance) Act 1969, minimum limit of Indemnity £10,000,000
 - Public Liability in respect of their legal liability for accidental loss or damage to material property, minimum limit of Indemnity £5,000,000
2. Proof of insurance must be provided prior to commencement of the work.

05 PRIOR TO WORK COMMENCING

1. A signed copy of the Safe Working Agreement must be provided to the person who placed the order.
2. A copy of the Rules for Contractors document must be provided to all Invitees.
3. All site personnel must familiarise themselves with Emergency Procedures at the location.
4. All site personnel must sign into the venue/premises. Or wear appropriate accreditation as issued by the Company.
5. All site personnel must abide by any venue/premises specific guidelines.
6. **It is forbidden to drink alcohol or take drugs other than those prescribed by a doctor that do not affect the capacity of the person to work.**
7. The Company reserve the right to expel from the Location any person who is under the influence of drugs or alcohol.

06 ELECTRICAL WORK

1. The Contractor must ensure that all work undertaken is in accordance with BS7671:2008 and the Electricity at Work Regulations 1989.
2. Company regulations limit the voltage to a maximum of 110 volts for portable electrical equipment and temporary installations associated with all work carried out for the Company, where this is not practicable the electrical equipment/installation must be protected by a Residual Current Device. (RCD)
3. All electrical equipment must be isolated when not in use.
4. All Portable Electrical Equipment must be subject to a regular maintenance regime and the appropriate Portable Appliance Testing records must be available for inspection if required.
5. All temporary electrical installations must conform to BS7909:2008.
6. All temporary electrical works must have an appropriate electrical sign off certificate issued at the time of works to the Event Health & Safety Manager or in their absence the Site or Production Manager.

07 CONNECTION TO UTILITIES AND OTHER SERVICES

1. Connection or disconnection of any electrical, gas, steam, compressed air, water or any other service by the contractor is only permitted following the written permission of the Company, or by agreement of the relevant Site Manager.
2. The Contractor will ensure that appropriate measures are taken to guard against live overhead cables and services laid underground.
3. The Contractor will ensure that all invitees are familiar with Clauses 7.1 to 7.2 of this document.

08 HOUSEKEEPING

1. It is essential that good housekeeping is maintained throughout the period of work, both at the work area and in and around any temporary structures. The working area shall be kept tidy at all times, access and emergency exit ways kept clear, and surplus and/or scrap material removed daily. Cleaning up at the end of the job is not considered sufficient.
2. The Contractor shall make arrangements for disposal of waste and surplus materials and the daily disposal, of combustible and other refuse. Such disposal shall be carried out in accordance with statutory requirements as applicable.
3. The Contractor shall make arrangements for the storage and removal of any toxic waste. The arrangements will be in accordance with statutory regulations and Codes of Practice. Only licensed waste disposal companies shall be used.
4. The Contractor will ensure that any travel of materials/refuse from the Location shall be recovered and dealt with as in 8.1, 8.2 and 8.3.
5. Spillages of oil or chemicals shall be cleaned up immediately in view of the hazards from fire, slippery surfaces, toxicity etc. Appropriate safety precautions shall be taken during the cleaning up.
6. Storage of materials must be authorised by the venue/premises.
7. The Contractor will ensure that all invitees are familiar with Clauses 8.1, 8.2, 8.3, 8.4,8.5,8.6 of this document.

09 WORKING AT HEIGHT & ROOF WORK

1. Ensure that access to heights using ladders, scaffolding, edge protection, etc. is undertaken safely and all access equipment thoroughly checked before use.
2. Where overhead working is carried out, full regard must be given to the safety of the access to the working area and of the working area itself. All necessary safeguards shall be maintained to protect those working or passing beneath the working area, and if necessary, the area below should be cleared and access to it prevented by substantial barriers including appropriate warning signs.
3. Full and appropriate protection must be used in the vicinity of fragile roof coverings/ceilings etc. and at all exposed edges where a fall may result in injury.
4. Where there is a risk of head injury beneath a working area (to contractors, Live Nation employees, visitors or members of the public) the following steps must be taken in order of priority listed:
 - **Segregate area below**
 - **Prevent access for the duration of the work posing the risk**
 - **Use hard hats for all remaining persons granted access**
 - **The Law requires hard hats to be worn by all persons to whom a risk of head injury exists during the course of construction work**
5. It is strictly prohibited for any person to climb on makeshift objects, shelving, racking or any other structure, which is not designated for access purposes. Trestles should only be used as part of a working platform.
6. The erection, use and dismantling of scaffolding and mobile access towers will be carried out by Contractors within the provisions of BS EN 12811-1:2003. The Contractor must regularly update a scaffold register which will be available for inspection at all times.
7. All work at height MUST comply with the Work at Height Regulations 2005 – with particular regard to planning; use of alternative solutions or equipment; appropriate PPE and a rescue plan.
8. Where multi companies are employed consultation must take place with all parties in advance of works to ensure clear working arrangements.

10 FENCES & BARRIERS

1. When carrying out works at an operational location the Contractor will provide his invitees with safety barriers of a type and size suitable for the work area and bearing a message or symbol indicating the hazard.
2. When works are left incomplete and forming a hazard (e.g. trench works which are left open). Either a safety barrier of a type and size suitable for the work area, or the provision of level street bridging plates covering the entire area, or a combination of both will be provided by the Contractor and should be approved by the Company.
3. During construction work at a location and where no secure fence exists the Contractor will provide perimeter fencing of a see-through type, of a height and rigidity to deny access by pedestrians.

11 EMERGENCY SERVICES

1. The Contractor must obtain and be fully aware of the arrangement on each location to obtain first aid and fire services in the case of an emergency.
2. The Contractor is required to provide the statutory first aid requirements for his employees, and fire extinguishers of an approved type. This is in addition to any provision over and above that provided by the Company.
3. Free access to all fire extinguishing and safety equipment shall be maintained at all times.

12 SAFETY CLOTHING

1. During the course of work whether below, on, or above ground level, the Contractor will ensure that his invitees, wear safety footwear that conforms to BS1870.
2. The Contractor will ensure that his invitees wear hard hats. Safety hats must comply with the current British Standards EN397 in designated areas or as deemed necessary by risk assessment.
3. The Contractor will provide his invitees with correct protective overalls and recommend that they be worn at all times, if deemed necessary by risk assessment.
4. The Contractor will supply his invitees with correct industrial gloves to be worn as and where applicable.
5. The Contractor will supply his invitees with correct dust masks, appropriate to the materials being used or other breathing apparatus as deemed necessary.
6. The Contractor will provide his invitees with correct eye protection goggles or shields to be worn whenever works at a location or occasion give rise to grit, metal particles etc.
7. The Contractor will supply his invitees with Hi Visibility vests which must be worn **at all times** during the build and break periods, and additionally where specified by the Company.
8. The Contractor will advise all other invitees of the provisions of Clauses 12.3 to 12.7 inclusive and recommend similar measures.

13 FIRE PRECAUTIONS & HOT WORK

1. Fire exits, escape routes, associated signage, and fire defence equipment must be kept free from obstruction.
2. The venue/premises Smoking Policy must be strictly followed.
3. If required a Live Nation Hot Work Permit must be obtained from the responsible person on site and completed prior to any Hot Works commencing as appropriate from the Site Manager.
4. The Hot Work Permit conditions must be strictly followed.
5. All flammables such as solvents, paints etc must be stored appropriately.

14 ACCIDENT & NEAR MISS REPORTING

1. The Contractor shall in addition to any report required by statutory regulations, report immediately to the Event Health & Safety Manager all accidents or near misses occurring within the duration of the works which result in injury to persons or damage to property. The Contractor shall co-operate to the full in any subsequent investigation of the accident or near miss as required by the Company.
2. The Contractor shall keep his accident records in accordance with statutory regulations and shall make these records available to the Company. If the Company so request, the Contractor shall discuss his accident data with the Company.

15 ASBESTOS

1. Prior to carrying out any work the premises Asbestos Register must be checked and if the area has been covered in the register and No Asbestos Discovered (NAD) then work may proceed.
2. If the register has noted that there is asbestos in the area work must not continue if there is any potential of disturbing the Asbestos Containing Material (ACM), until the appropriate remedial action has been taken.
3. If the work area has not been covered in the asbestos register further investigation, including a type 3 asbestos survey, if appropriate, must be carried out to ensure that the area is asbestos free.
4. The Contractor and his invitees must sign the premises asbestos register form to acknowledge having consulted the document.
5. If ACM's are discovered or suspected during the course of the work all activity must cease, the area vacated and the responsible person on site informed to allow remedial procedures to be put in place.

16 RIGGING AND SUSPENSION OF EQUIPMENT

1. All work that requires suspension of any equipment from the fabric of a structure, temporary or permanent, by means of temporary wires, cords, slings, chains or lifting appliances shall be classed as rigging and shall comply with the LOLER Regulations 1998.
2. Live Nation (Music) UK Ltd reserves the right to inspect all rigging services and to prohibit its use if considered to be unstable, unsafe, unfit for use or not complying with the appropriate British or European standard.
3. All rigging operations will be planned and carried out by competent persons. The competent person must be capable of predicting potential hazards, eliminating potential hazards and certifying that the rigging is free from defect and suitable in every way for its use.
4. Risk Assessments for all rigging operations must be provided to the Company.
5. When rigging operations are in progress, hard hats must be worn by all personnel and if possible the area beneath the activity kept clear by the use of signage or barriers as appropriate.
6. A suitable fall protection system must be in use at all times where there is potential of a fall from height.
7. During rigging operations tools must be secured by a lanyard or other suitable means.
8. All lifting equipment shall be of sound material and construction and fit for the purpose for which it is to be used.
9. Only chains designed and approved for load carrying operations shall be used.
10. All lifting accessories will conform to the relevant British and European standards and be fit for their intended use.
11. All hoisting equipment will be marked with a Safe Working Load.
12. Motorised lifting operations will be planned & carried out by competent personnel.
13. All lifting equipment will have supporting documentation available on site in relation to the appropriate test and inspection requirements of LOLER Regulations 1998.

17 NOISE

1. Contractors must ensure that they comply with the relevant legislation in respect of the Control of Noise at Work Regulations 2005.
2. Suitable and sufficient hearing protection must be made available to invitees by their respective employers.
3. Hearing protection must be worn in areas that are clearly signed as mandatory hearing protection areas

18 COSHH

1. Contractors will ensure that all substances being used in the course of the activity or work process they are employed to undertake has the necessary Material Data Sheet and any associated risk assessment.
2. All substances will be stored in accordance with the manufacturers' recommendations and not left in such a way as to cause injury or harm to any person or animal or cause an impact on the environment.
3. Emergency equipment must be provided and available on site from the Contractor if deemed necessary by the manufacturers of the substance and by the Contractors own risk assessment

19 LOADING & UNLOADING VEHICLES

1. Contractors must ensure that invitees are competent and have been trained appropriately in the loading and unloading of vehicles to ensure compliance with the manual handling regulations.
2. The loading and unloading of vehicles must be supervised appropriately and during the reversing of vehicles or manoeuvring in public areas must have a banksman present directing the operation.
3. When unloading and loading vehicles ensure that a safe working area is established and invitees are visible to others by the use of Hi Visibility vests and sufficient lighting. This may include the use of hazard warning lights and or beacons.
4. Whilst loading or unloading vehicles due regard must be given to emergency exits or routes that must not be blocked or obstructed at any time.
5. All vehicles must observe the site speed limit at all times

20 PLANT & MECHANICAL HANDLING EQUIPMENT

1. Forklifts and other mechanical handling equipment or plant must only be operated by those persons and invitees who can demonstrate the appropriate degree of competence by production of a licence or other recognised certificate of competence.
2. All plant provided by the Company will only be released to persons who can provide a copy of the appropriate licence or other recognised certificate of competence which will then be kept on file by the Company.
3. All plant must be subject to an appropriate daily safety check prior to use. These must be kept for audit by statutory bodies and or the Company as appropriate.
4. The carrying of persons other than the allocated number of manufactured seating positions is prohibited.
5. Speed must not exceed the site speed limit or that appropriate to the load being carried.
6. Loads carried must be within the SWL of the vehicle. This must be displayed on the vehicle.
7. Any fitted safety device must not be disabled or interfered with, and any failure of a device must be reported to the appropriate person immediately.
8. The Company reserves the right to remove any contractor or invitee from site who operates plant or machinery in a dangerous manner that endangers the safety of others.

APPENDIX 1E— NOISE MANAGEMENT PLAN

Jamaica Village 2012

Finsbury Park

Noise Management Plan

VC-101002-NMP01-RP-01

Rev 02

October 2011

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1 Introduction

- 1.1 Vanguardia Consulting has been commissioned by Live Nation to provide a noise management plan for the proposed Jamaica Village event in 2012 at Finsbury Park, London which takes place during the 2012 Olympics. The event will run from 3 to 12 August 2012 with a capacity of 15,000 persons per day. The operating hours are 1100-2300 hrs but live music will finish at 2000 hrs.
- 1.2 The Jamaica Village 2012 event is aimed at all ages and showcases a unique mix of sport, music, culture and cuisine. With an “authentic Jamaican experience” in the heart of London, Jamaica Village 2012 will be the premier destination for fans of Jamaica, the lifestyle, and the Olympic team during the 2012 Olympics.
- 1.3 The purpose of this document is to describe the sound control and monitoring scheme that will be put in place to minimise the music noise levels at residential properties. The practical measures that should be adopted to achieve compliance with noise conditions are described in Section 4.
- 1.4 It is intended that this document is considered to be a ‘live’ document which will evolve further with ongoing liaison with the London Borough of Haringey.
- 1.5 A glossary of acoustic terms is shown in Appendix A.

Consultants’ Experience

- 1.6 Vanguardia Consulting is an acoustic consultancy specialising in the field of sound, noise and acoustics related to entertainment venues. The team of consultants have many years experience dealing with some of the largest and most innovative sound and acoustic projects in the UK, including Wembley Stadium, the Millennium Dome, The Millennium Stadium, Wembley Arena and Earls Court.
- 1.7 The consultants have successfully provided sound management advice, including noise control, at over 1000 concerts during the past 25 years. These concerts have ranged from relatively small scale events at green field sites to major events staged at national stadia providing entertainment for tens of thousands of people.
- 1.8 The company directors of Vanguardia also sat on the UK Noise Council Working Party which prepared the Code of Practice on Environmental Noise Control at Concerts



- (1995). They have also managed Government research projects related to sound and noise aspects of the entertainment business.**
- 1.9 As well as the provision of sound and acoustic design/management for entertainment venues, the company deals with the whole range of acoustic, noise and vibration issues and our staff have presented expert testimony at planning and licensing hearings, magistrates and high courts, Judicial Reviews and House of Commons and House of Lords Select Committees.**

2 Licence Conditions

- 2.1** Finsbury Park has held concerts for many years and the London Borough of Haringey have provided guidance for the control of sound at large outdoor events. Following discussions with the Council the noise limit is 15 dB(A) above the background noise levels at the locations shown in Table 1. This data has been provided by the London Borough of Haringey.

Table 1 - Approved locations representative of the noise sensitive premises likely to experience the greatest increase in noise levels as a result of events held in Finsbury Park N4.

Location	Background Noise Level [Hourly L _{A90}] 19:00-23:00hrs	Notes
Seven Sister Road, N4	63 dB(A)	Taken approx. mid-way along park length. Very busy main road-traffic predominates.
Adolphus Road, N4	49 dB(A)	Taken mid-way between Gloucester Drive & Alexandra Grove. Runs parallel to Seven Sisters Rd- minimal traffic- shielded by medium rise flats.
Woodstock Road, N4	43 dB(A)	Taken at North bend. Separated from park by busy railway line- rear bedrooms face park.
Stapleton Hall Road, N4	41 dB(A)	Taken 30m East of junction with Quernmore Rd. Residential- minimal traffic- located on a hill overlooking North side of park.
Lothair Road South, N4	46 dB(A)	Taken 30m East of junction with Alroy Rd. Parallel to Endymion Rd.
Rowley Gardens, N4	49 dB(A)	Taken centre of "quadrangle". On East side of park & in middle of high rise flats.

2.2 The measurement locations shown in Table 1, with the exception of Seven Sisters Road, are at positions that are shielded from the concert music by existing residential buildings. The corresponding noise limits for the concerts are shown in Table 2 below.

Table 2 – Noise Limits for Concerts

Location	Noise Limits $L_{Aeq,15\ min}$ dB
Seven Sister Road, N4	78 dB(A)
Adolphus Road, N4	64 dB(A)
Woodstock Road, N4	58 dB(A)
Stapleton Hall Road, N4	56 dB(A)
Lothair Road South, N4	61 dB(A)
Rowley Gardens, N4	64 dB(A)

2.3 The most relevant guidance for this type of event is the established guidance for noise from outdoor music events contained in the Noise Council's Code of Practice on Environmental Noise Control at Concerts (1995). The recommended noise limits contained within the Code of Practice for events held between the hours of 09:00 and 23:00 hours are summarised in Table 3 below.

Table 3: Recommended Noise Limits

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

2.4 The guidance for sound control provided by London Borough of Haringey is based on the Noise Council's Code of Practice for 4 to 12 concert days at all venues.

2.5 The Jamaica Village 2012 event consists of 10 events days and falls within the recommended range of concert days for the noise limits that are set out in Table 2.

The Extraordinary Event – the London Olympic Games

2.6 The Jamaica Village 2012 event will take place during the 2012 Olympics. The Olympic and Paralympic Games together constitute an event of global significance that will be broadcast around the world. Arguably on a par with the football world cup, the Games is one of the world's most important and widely watched festivals of sport. The staging of the Olympics and Paralympics is an undertaking far beyond any other in its intensity and scope. The two set-piece events, the opening and closing ceremonies, have been elevated through an unstated competition between host nations over the past two or three decades into major cultural events in their own right. The global TV audience for both, especially the opening, is far, far greater than the entire population of the UK.

2.7 Noise is subjective and the noise limits are there to uphold the prevention of public nuisance and to safeguard the amenities of nearby residential occupiers.

2.8 The important subjective element related to noise is expressed by the working party formed of the Institute of Environmental Management and Assessment (IEMA) and the Institute of Acoustics who have published noise impact assessment guidelines. An IOA paper summarising this document states that

'The subjective nature of noise together with the many gaps which exist in the detailed understanding of the effects of noise mean that it is not possible to set out detailed structured and precise methodology. Inevitably, therefore, the assessment will have to include a degree of subjective judgement but based on the relevant factors'

2.9 An important relevant factor in this case must be the extraordinary nature of the Olympic Games in London.

3 Event Proposals and Assessment

- 3.1 Finsbury Park has successfully held concerts for many years with the noise limits that are based on the guidance for the control of sound at large outdoor events provided by the London Borough of Haringey**
- 3.2 The proposed Jamaica Village 2012 events will operate from 1100 to 2300 hrs but live music will finish at 2000 hrs. From 2000 to 2300 hrs recorded music will be played at reduced levels and the noise effects at the nearest residential properties will be minimised by the design, control and orientation of the sound systems.**
- 3.3 Music at 'Concert Level' from the main stage will be limited to 3 hours per event day and this would finish at 2000 hrs. Concert levels are generally around $L_{Aeq,15\ min}$ 98 to 100 dB at the mixer location (approx 40m in front of the stage) and this level is dependent on the correlation with the off-site noise limits.**
- 3.4 The event will have separate sound systems for the following areas and these are shown on the site plan in Appendix B:**
- Main stage
 - VIP area
 - Beach Area
 - Small stage
 - Sponsor areas
- 3.5 Appropriate noise limits will be set at each of these locations to ensure that the off-site noise limits are not exceeded. For the majority of time during the events there will not be live music at 'concert level' on the main stage and the off-site levels will be well below the noise limits.**
- 3.6 The approved locations for the noise assessment (shown in Table 1) have been successfully used for previous outdoor concerts at Finsbury Park. These same locations will be used for the Jamaica Village 2012 events and sound control will be provided to comply with the noise limits provided in Table 2 as discussed in section 4 of this report.**

4 Noise Management Plan

4.1 Careful consideration will be given to implementing and exercising a noise control programme during sound checks and the event to control entertainment noise from the venue.

4.2 The sound control programme that will be followed is detailed below:

Pre event information

4.3 Vanguardia will set up a direct means of communication with all parties. The promoter will provide Vanguardia staff with site radios. A dedicated radio channel will be provided for Vanguardia consultants.

4.4 Information regarding the event 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 information will also include a dedicated telephone number for noise complaints.

4.5 A telephone complaints line should be made available for the duration of the event and information regarding calls passed to the event control manager. Should any noise complaints be received, a consultant will investigate the complaint and if noise levels are above those specified in the licence conditions, immediate action would be taken to reduce the levels at the noise source. A complaints log should be maintained throughout the event, detailing addresses of complaints, times and actions. The complaints line will either be manned by a Vanguardia consultant or a contact number will be made available to the operator of the complaints line and the local authority.

4.6 The promoter 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. The promoter will also agree timings for production set up.

Sound Systems

4.7 Vanguardia will review the sound systems and other noise sources and work with the promoter and the council to minimise noise disturbance.

4.8 All sound system suppliers will be informed of the requirements of noise control and the type and location/orientation of their systems. Their contract of hire will also

specify that the overall control of sound levels will be set by the Promoter and/or their appointed agent (acoustic consultants).

- 4.9 Vanguardia will undertake sound tests prior to the event to determine a correlation between inside and outside sound levels. The limit set at the mixer desks will be agreed with the Councils Environmental Health Officer and the correlation checked at intervals throughout the event.
- 4.10 A permanent noise monitor will be provided at the main stage mixer desk position. The noise limits at all other areas will be set prior to the event.
- 4.11 All noise meters will comply with the required standards and be calibrated.
- 4.12 Vanguardia will liaise with the Council and comply with their complaints procedure.
- 4.13 The promoter and Vanguardia will comply with any reasonable instructions given by the licensing authority.
- 4.14 Vanguardia will provide consultants and technicians to monitor the internal and external noise levels during the events.

Sound Control Procedures

Sound propagation tests

- 4.15 On the first day of the event, the production team should carry out short sound checks and as part of this process, acoustic consultants will undertake sound propagation tests to correlate the music noise levels at the mixing desk with those observed at the most sensitive sound control positions. 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 sound limit at the mixer positions.

Sound control within the venue

- 4.16 The music sound levels at the mixing desk position will be continually monitored in terms of 15 minute and 1 minute L_{Aeq} values. The noise limit will be set in 15-minute intervals but the 1-minute values provide acoustic consultants with immediate information to ensure the limit is not exceeded. The sound engineer will be informed of the position of the music sound levels and immediate instructions will be issued to them if it appears that the limit may be exceeded at any point. The Acoustic consultant

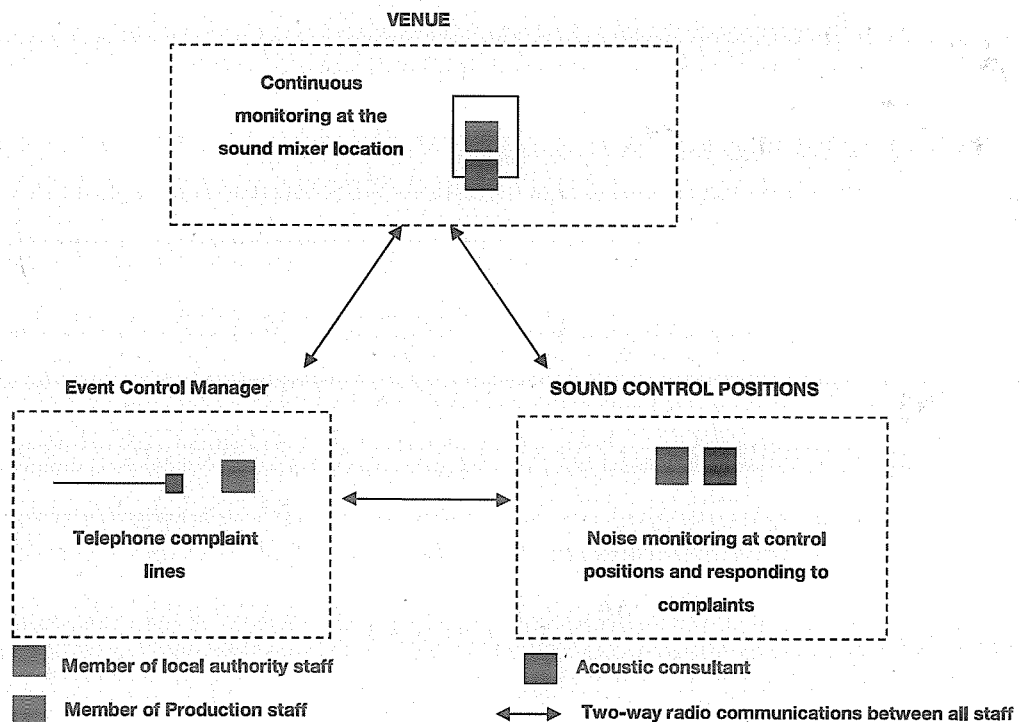
at the mixer desk position will be in radio contact with colleagues at external monitoring positions. If off site levels begin to approach the noise limits, noise reductions will be immediately requested at the mixing desk.

Sound monitoring outside of the venue

- 4.17 Noise measurements outside of the site will be taken as necessary and in response to any complaints that may be received. Action necessary to ensure the noise limit is not exceeded will be transmitted by radio through to the acoustic consultant at the mixer position and immediate instructions issued to the sound engineers to resolve any potential problems.
- 4.18 A subjective assessment of low frequency noise will also be undertaken at the agreed monitoring locations and any noise reductions immediately relayed to the sound engineers.

Telephone complaints line

- 4.19 A telephone complaints line number is yet to be confirmed. A schematic of the control communication protocol is provided on the following page:



Summary Reporting

- 4.20 A summary report will be produced after the event which will include all the noise level measurements made at each position. This will be made available to the local authorities.**

5 Noise During Load In / Load Out

5.1 If the load in or load out of production equipment onto stage trucks and lorries is to occur outside normal working hours, consideration should be made to minimise noise impact and includes the movements made by lorries and other associated vehicles such as fork lift trucks.

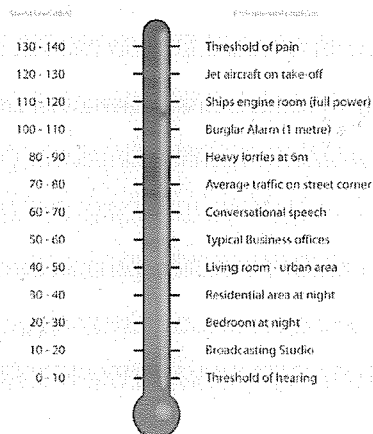
5.2 The site manager will supervise activities during Load in / Load out activities and practical steps to reduce the noise disturbance should include the following:

- Refrain from shouting when communicating
- Refrain from dropping scaffold bars etc
- Locate trucks as near to possible to operation, reducing transit time and noise from fork lift trucks.

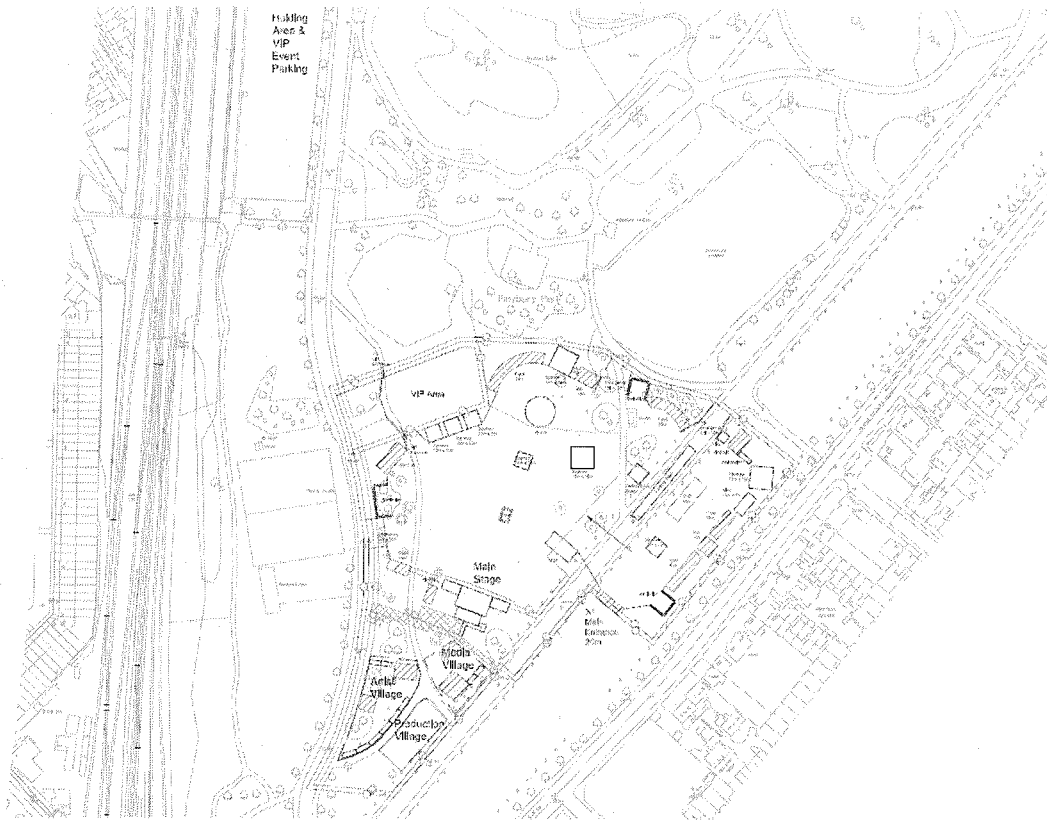
5.3 When trucks are parked their engines will be switched off at all times.

Appendix A / Glossary of Terms

- A.1** Noise is defined as unwanted sound. The range of audible sound is from 0dB to 140dB, which is taken to be the threshold of pain. The sound pressure detected by the human ear covers an extremely wide range. The decibel (dB) is used to condense this range into a manageable scale by taking the logarithm of the ratio of the sound pressure and a reference sound pressure.
- A.2** The frequency response of the ear is usually taken to be about 18Hz (number of oscillations per second) to 18,000Hz. The ear does not respond equally to different frequencies at the same level. It is more sensitive in the mid-frequency range than at the lower and higher frequencies, and because of this, the low and high frequency component of a sound are reduced in importance by applying a weighting (filtering) circuit to the noise measuring instrument. The weighting which is most used and which correlates best with the subjective response to noise is the dB(A) weighting. This is an internationally accepted standard for noise measurements.
- A.3** The ear can just distinguish a difference in loudness between two noise sources when there is a 3dB(A) difference between them. Also when two sound sources of the same noise level are combined the resultant level is 3dB(A) higher than the single source. When two sounds differ by 10dB(A) one is said to be twice as loud as the other.
- A.4** The subjective response to a noise is dependent not only upon the sound pressure level and its frequency, but also its intermittency. Various indices have been developed to try and correlate annoyances with the noise level and its fluctuations. The parameter used for this measure is Equivalent Continuous Sound Pressure Level (L_{Aeq}). The A-weighted sound pressure level of a steady sound that has, over a given period, the same energy as the fluctuating sound under investigation. It is in effect the energy average level over the specified measurement period (T) and is the most widely used indicator for environmental noise. A few examples of noise of various levels are given right:



Appendix B / Site Plan



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