

FESTIVAL LOGO

WelshFest 2018 Environmental Noise Management Addendum

Coedarhydyglyn,
Cardiff

Version 1.0

Prepared on behalf of WelshFest by:



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APPROACHING RISK POSITIVELY

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Note-

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1. Introduction

The Welsh Fest Noise Consultant produces the Environmental Noise Management Addendum to outline the management of noise arising from the 2018 Welsh Fest event to be held at Coedarhydyglyn, Cardiff on 27th – 29th July 2018.

A Noise Management Plan will be a requirement of the Premises Licence and is a means to ensure compliance with Licensing conditions and also to promote the prevention of public nuisance licensing objective and thus minimise disturbance to the local community.

The Plan sets out how the organisers will address the management of environmental noise and put in place measures that ensure the organisers/licensee will actively manage noise along with any information, enquires and complaints relating to the event and any noise emitted from the site.

The plan needs to be a flexible working document in order to be effective. Any changes to the plan will be notified to the Vale of Glamorgan Council Licensing Authority.

2. Aim

To enable Welsh Fest to host this outdoor event without causing unreasonable and unnecessary noise disturbance and ensuring minimal impact from noise to local residents as well as the protection of the venues Premises Licence for regulated entertainment.

3. Objectives

- To monitor noise levels at properties within the vicinity of the event that are likely to be noise sensitive
- To manage sound levels on-site and noise levels off-site to ensure that unnecessary and unreasonable disturbance is not caused to residents in the local community
- To ensure compliance with the Premises Licence Conditions
- To ensure sound levels on-site are sufficient to ensure audience and performance satisfaction within the venue or arena
- To deal with enquiries or complaints about noise and related issues

4. Operating Levels

The music noise level shall not exceed 65dBA (LAeq, 15minutes) 1metre from the façade of the nearest noise sensitive receptor during the duration of the regulated entertainment.

This Music Noise Level would be applicable for regulated entertainment until 23:00hrs, after which time we would reasonably expect the noise emission from the festival site would be 'barely audible' at the façade of the nearest noise sensitive properties.

The 'Code of practice on environmental noise control at concerts' recommends that 'inaudibility' as a condition for events extending beyond 23:00hrs is unreasonable as it is difficult to practically enforce (Ref: *Inaudibility- an established criterion, Somerville, 1991*). More realistically is ensuring that music emissions from the festival site are, at loudest, 'just audible' on the curtilage of noise sensitive properties beyond 23:00hrs. This will result in a reasonable level of attenuation within the noise sensitive receptors, with either windows open or closed.

Recent research (Ryan, Lanchester, Pugh- *Noise Reduction through Facades with Open Windows, 2011*) suggests that typical noise reduction through facades with open windows can be between 8-14dB (LAeq) and noise reduction through closed double glazing can be between 27-31dBA. Therefore it would be reasonably anticipated that beyond 23:00hrs any music sources arising from the festival site would not be audible or intrusive within a residential noise sensitive property if set at a 'just audible' level at the curtilage of the property.

Practically speaking, with the anticipated programming as follows, the noise consultant is confident that noise emissions from the festival site beyond 23:00hrs will be comfortably managed without causing disturbance to nearby residential properties.

Programming beyond 00:00hrs will generally comprise of acoustic led musical acts with lower front of house noise levels, and subsequently reduced low frequency (63-125Hz) levels.

5. Music venue proposed finish times

	Fri 27 th July	Sat 28 th July	Sun 29 th July
Main stage (Primary venue)	Not operating	23:45hrs	00:00hrs
Second stage	00:00hrs	22:45hrs	23:00hrs
Marquee stage	Not operating	22:00hrs	22:00hrs

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6. Proposed Monitoring Locations

Monitoring locations are subject to site assessment & prevailing weather conditions, wind direction etc.

Additional monitoring locations will be established as required, subject to the results of sound propagation checks prior to commencement of the stage programming

Site location Number	Location	OS Grid Ref	Postcode (Nearest)
1	The Caia House	ST 09945 74743	CF5 6SE
2	Haelfaes Barn	ST 09894 75033	CF5 6SF
3	Adjacent to Rose Cottage, Drope	ST 10784 75842	CF5 6EP
4	Adjacent to No 2, The Lane, Downs, A48	ST 10601 74656	CF5 6SD
5	Adjacent to The Garth, St Nicholas, A48	ST 09394 74400	CF5 6SH

7. Monitoring and Noise Management Procedure

- There will be on-site and off-site monitoring conducted for the duration of the festival
- Off-site environmental music levels will be reported back to enable prompt regulation of the stage level as necessary
- In practice, LAeq 3 minute Leq's, rather than 15 minute Leq's, will be measured
- Taking short duration 3 minute Leq's allows prompt assessment and management of levels that have the potential to breach the 15 minute Leq's. However, there will be ample opportunity to carry out 15 minute readings for the benefit of ensuring compliance with the Music Noise Level, which is a 15 minute LAeq.
- In addition to taking sound level meter readings, a subjective assessment will be made by the noise consultant and the levels will be managed via this method also
- Such subjective assessment will take account of the audibility of the music, any lyrics and the audibility & characteristics of any bass
- Any exceedence of noise levels will be actioned immediately and dealt with as soon as possible. Realistically, with the main stage being continuously monitored for most of the programmed music, a level attenuation request

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- can be made almost immediately
- The "A" weighted Leq's measured off-site at the agreed locations will be communicated to the on-site noise control team from each location each and every time a reading is taken. The subjective assessment will also be communicated.
- Noise management and the ability to control levels on the stage will be specifically delegated to the Noise Consultant & team, via the Festival Manager. The chain of command allows the noise control team to require the sound engineer to reduce sound levels as necessary
- The Noise Consultant & team will instruct the sound engineer to reduce or control broadband levels and/or frequency specific levels.
- The Noise Consultant will deal with calls to the resident complaint line and will liaise directly with any complainants or the local authority as required
- **The Local Authority Pollution Control team are invited to attend site at 13:00hrs on Friday 27th July 2018 for a site tour with the Noise Consultant.** On arrival, please present at the 'Sign in tent' adjacent to the main car park. The Noise Consultant is available via radio on the main production channel. Hi-viz jackets are required as the site is still in build phase. Please confirm attendance by email to hello@beaconevents.uk

8. Sound Propagation Test

- Prior to the event a sound propagation test will be undertaken at appropriate locations around the site
- The test will enable pre-event assessments for the predominant direction any likely sound propagation off-site and hence assist in the determination of the most appropriate monitoring positions.
- It will also allow guide operating levels to be set at the FoH mixing desk position for the start of the event. The sound engineer will be asked to leave some "headroom" early in the event to allow some upward movement of levels, should that be necessary to maintain audience satisfaction.

9. Noise Management Resources

- The Noise Consultant is an experienced Local Authority Environmental Health Practitioner with extensive experience in temporary event and Festival noise control
- The Noise Consultant holds the following designations: BSc(Hons), PG(Dip), MCIEH, GradIOSH, Member IOL and has completed post graduate Institute of Acoustics training in Environmental Noise Control & Measurement
- Support is provided by a Noise Technical Consultant
- The Noise Consultant typically operates two operational roles throughout the event:
 1. *Main stage & onsite monitoring*- maintaining a regular measurement of the main stage noise level & liaising with the front of house sound engineers
 2. *Off site monitoring*- maintaining an off site presence at the pre-determined 'monitoring points' to ensure compliance with the

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Premises Licence noise limits. Communicating back to the onsite FOH engineers of any measurements

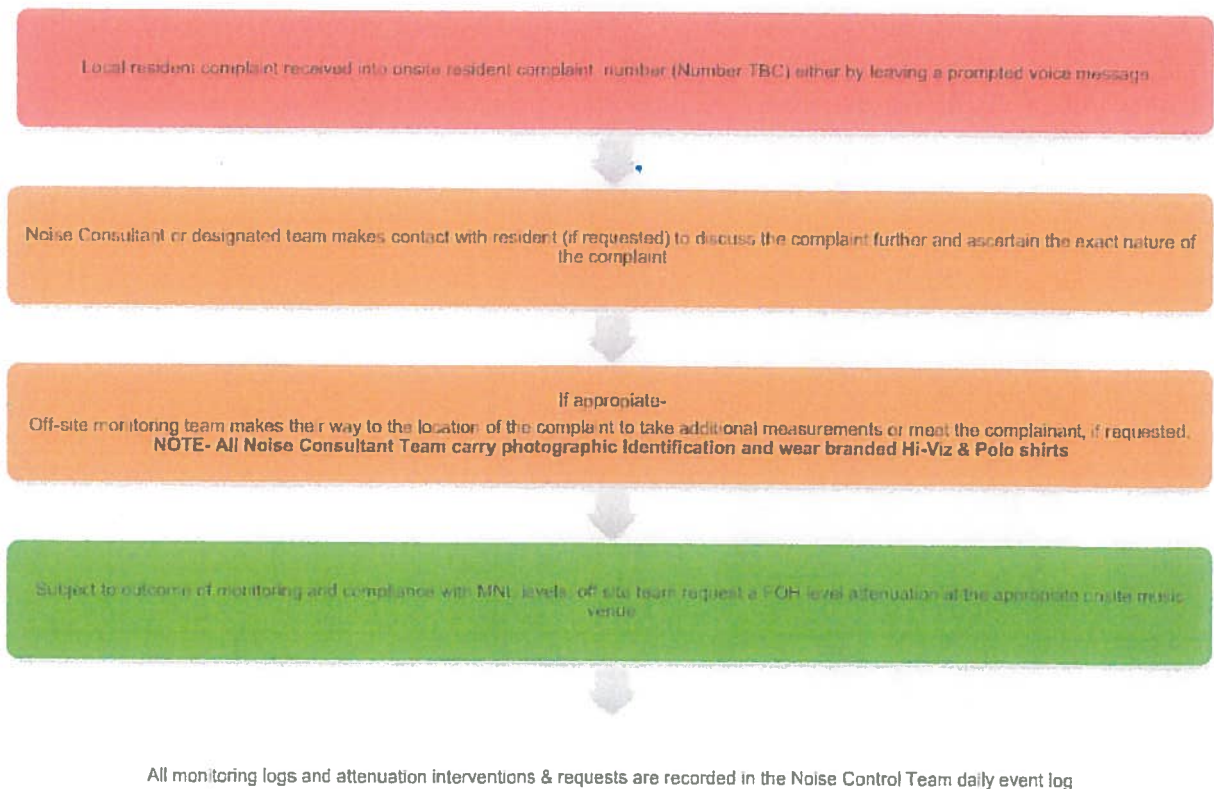
- The Noise Consultant will attend any Production & ELT meetings throughout the day to obtain relevant updates and feedback any emerging noise issues or resident concerns
- Noise monitoring equipment will comprise of the following;
 - B&K 2238 Class 1 Integrating sound level meter with 3rd octave banding frequency analysis
 - B&K 4231 Class 1 Acoustic Calibrators
 - Onsite wind speed & direction monitoring equipment
- Calibration test certificates will be available for inspection on request

10. Resident notification & Complaint procedure

Local residents will be made aware of the Festival and the process for complaining about noise or disturbance via the designated resident complaint number by way of a number of means;

- Notification in writing via letter drop to local residential properties
- Notification in writing to local libraries
- Notification in writing to the local Parish Councils

The process for dealing with a resident complaint will follow this procedure;



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Appendix 1- Site location plan

