

# Triplicity Festival of Music and Arts

## Noise Management Plan

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| <b>Date</b>                | June 2nd - 4th 2017   |
| <b>Address of premises</b> | Festival Site,<br>Cwm Cayo Farm,<br>Gwehelog,<br>Usk,<br>NP15 1HS                               |
| <b>Maximum numbers</b>     | 499   |
| <b>Soundchecks</b>         | approx 11.00  |
| <b>Start / finish time</b> | <b>Friday : 12:00 - 03:00</b><br><b>Saturday: 10:00 - 03:00</b><br><b>Sunday: 10:00 - 00:00</b> |
| <b>Organisers</b>          | George Thompson (07845099302)   |
| <b>Noise Control</b>       | Andrew Cornforth (07895331296)  |
| <b>Sound contractor</b>    | Element 5   |
| <b>Plan Author</b>         | George Thompson   |

MEASUREMENTS TAKEN WITH A CLASS 2 DB METER OR EQUIVALENT AND RECORDED.

### **THE EVENT WILL BE RUN IN ACCORDANCE WITH THE FOLLOWING:**

Identified noise sensitive properties shall be pre-leafleted with information regarding the event, including start & finish times, an invite to attend and a dedicated residents telephone number (Tel: **07375742004**) that can be called prior or during the event hours.

No less that 2 weeks prior to the event a communications exercise shall be undertaken to ensure that all reasonably practicable steps are undertaken to ensure that all properties within a 5 mile radius of the site are notified of the event, and are provided with contact details of the dedicated residents telephone line. "Reasonably practicable steps" would be the placing of an advert in local newspapers / newsletters which are circulated within 5 miles of the site, liaising with all parish councils within the 5 mile radius mentioned above, and / or other similar measures which are able to be evidenced.

Two off-site monitoring locations to be established to the satisfaction of the Council's Environmental Protection Team. (51°43'42.9"N 2°53'37.5"W across the valley to the east & 51°43'40.8"N 2°54'29.9"W to the west)

A log book shall be established to record the details of all sound level monitoring taken throughout the course of the event.

Design of the site layout and positioning of the sound systems shall be in such a way to contain noise and minimise the noise impact of the event.

Baffles will be placed behind sound systems to reduce low frequency pollution.

FOH will be approximately 15m in front of the main PA speakers for each stage.

Music noise dB levels to be measured (average over 5 minute periods) at FOH and monitoring points during soundchecks with results recorded. The sound source used for the test shall be the same character to the music likely to be produced during the event.

Soundssystem to be equipped with necessary limiters and compressors to ensure no sharp peaks in noise levels or possibility of levels going higher than those established in soundcheck.

Music noise dB levels will be measured and recorded at FOH and monitoring points during event (average over 15 minute periods).

The Music Noise Level measured over a 15 minute period (LAeq, 15min) at the boundary of any noise sensitive premises shall not exceed 10dB over ambient  $\approx$  55dB(A) during the daytime (defined as between the hours of 09.00 and 23.00) on any day. At all other times the music noise level shall not exceed +5dB LAeq 1 minute over ambient or 35dB LAeq 1 minute (whichever is the lower) at the boundary of any noise sensitive premises.

We have visited the site with a sound system to gain accurate late night predictions of sound level. Results and a detailed report are available on request. We established the Noise Sensitive Properties (NSP) and further proved that we can run at a suitable late night level with a decent level at FOH and off site.

Acoustic calculations as follows:

500m to Noise Sensitive Property = -30dB(A) drop.

Worked out from: Decibels of Change =  $20 \times \log(\text{distance } 1 / \text{distance } 2)$

We measured a 37dB attenuation (drop) to the most sensitive property we visited.

Strawbale wall = -15dB(A) drop

From pervious experience & Case Studies.

Total = -45dB to -52dB drop

Therefore:

FOH Daytime =

55dB (MAX level at boundary of NSP)

+

45dB (Drop caused by Distance & Baffles)

= 100dB (107dB by our measurements)

FOH Nighttime =

+5dB over ambient or 35dB (whichever is lower) (MAX level at boundary of NSP)

+

45dB (Drop caused by distance & Baffles)

= 70dB (77dB by our measurements) - 80dB (87dB by our measurements)

Noise levels during the event shall be **continually** monitored inside the licensed area to ensure the noise criteria specified in the premises license conditions and the noise criteria agreed in the noise management plan are not exceeded.

Measurements outside the licensed area shall be routinely taken to ensure the noise criteria specified in the premises licence conditions and the noise criteria agreed in the noise management plan are not exceeded.

During the course of the event, a noise monitoring system shall be in place. As a minimum, sound level measurements shall be taken at 11:00, 13:00, 15:00, 17:00, 19:00, 21:00, 23:00, 24:00, 00:00, 01:00, 02:00 on each day of the event from the pre-identified noise monitoring locations. This will ensure that atmospheric conditions do not have any effect on our off site levels. As each system is limited the level FOH will not be able to increase beyond the maximum levels set for daytime and nighttime levels. Parameters to be recorded for this monitoring - in the noise monitoring log book - shall include date, time, a sketch map showing the monitoring location in relation to the site, weather conditions, wind direction, wind speed, LAeq 15min, and any other observations.

Additional observations shall also be made around the perimeter of the site at similar intervals, and other locations in the general area. Associated parameters to be recorded in the noise monitoring

log book shall include date, time, a sketch map showing the monitoring location in relation to the site, weather conditions, wind direction, wind speed, and any other observations.

If any instances of exceedance with noise limits are noticed as a result of this or any other monitoring, remedial action shall be taken immediately to achieve compliance, and the details of this action recorded in the log book.

Access will be granted to officers of the licensing authority to all areas of the site relevant to an investigation of music noise levels, to include front of house and monitor sound mixing positions. Upon the reasonable request by officers of the licensing authority and at any time during the event, the sound operator shall temporarily adjust the configuration of the amplification system to reduce either broadband sound levels or sound levels within a particular octave band. Thereafter the applicant shall agree with the officer a music noise level to achieve compliance with noise limits. Where necessary the noise level of any noise source found to be excessive by an officer of the licensing authority shall be immediately reduced to a level acceptable to the officer.

All other potential sources of noise throughout the site shall be monitored and regulated in accordance with the Noise Management Plan.

A competent person will be in attendance throughout event to monitor and control sound system levels on each stage.

To minimise noise after the 03:00 finish attendees will not be permitted to bring their own music systems into the event or play music in the camping field. This will be monitored by SIA licensed security staff.

**Communications on site will be as follows:**

Dedicated residents telephone line (Tel: 07375742004) to be manned, charged and with reception at event office for duration of event. All complaints to be recorded and investigated accordingly. Sound levels will be monitored and recorded at the façade of the property and our noise control will liaise with the resident as required. Action will be taken to reduce levels where exceedances are identified, and all details of the complaint shall be recorded in the noise monitoring log book.

Complaints line will be received in the site office, who will have continuous open communications with Andrew Cornforth (BA in live music /sound technology awarded university of plymouth. 16 years as a live sound engineer, 8 as an event organiser) & his equally qualified and experienced team, who have authority to turn down all site noise levels and a designated crew to travel off site and monitor dB levels.