

Introduction

Clement Acoustics has been commissioned by Connecting Dots Group Limited to produce a noise management plan for 202 - 204 Dantzic Street, Manchester, to support a planning application for the use of two warehouses and associated land for arts, music and cultural venue/event space including theatre, dance performance-related activities (Sui Generis) with associated food and drink festivals (Flexible Use Class E / Sui Generis), for a temporary period of two years.

The purpose of this document is to put in place best available techniques (BAT) to reduce noise emissions from the proposed use.

Site Description

The site comprises two warehouses and associated outdoor space on Dantzic Street. Annual proposals are for two indoor stages and four outdoor stages with amplified music. Smaller event proposals are predominantly for use of the two indoor warehouse spaces, with some outdoor use depending on the time of year.

The surrounding area is predominantly industrial in nature. The nearest noise sensitive receiver has been identified as Emmeline Apartments, approximately 230 m from the eastern site boundary of the site.

Proposed Noise Management Plan - Festival

In order to reduce the likelihood of causing an adverse impact during the festival's operation it has been recommended that the following mitigation measures are implemented:

- The noise limits as stated in the Clement Acoustics document 17576-NIA-01_RevH must be achieved for all amplified music. These limits should be met at 1 m from the stage structures for outdoor stages, and 1 m from the capacity areas for indoor stages (measured within the building).
- **Note: The limits shown are predictions, based on the stated assumptions and calculations.**

Period	Low Frequency Limits		Overall Limit
	63Hz	125Hz	
11:00 – 23:00	90 dB	90 dB	91 dB(A)

- The procedures detailed in document 'Temporary Use Planning and Events Strategy' must be followed, in order to ensure that the onsite noise limits shown above, and the receiver noise limits shown in Table 7.2 of 17576-NIA-01 RevH are not exceeded.
- Each event that will take place on the site will be different in its nature and therefore, no permanent sound system will be installed. Once a sound system is installed and prior to the commencement of the festival, the methodology of spot measurements should be undertaken to demonstrate the noise limits are complied with. Measurements taken during this exercise must be securely stored and made available to the Local Authority on request.
- Further measurements should be taken during the festival to ensure continued compliance, as detailed in 'Temporary Use Planning and Events Strategy'.
- All loudspeakers should be isolated from the warehouse building structure. For fixed speakers, this should be achieved using neoprene fixings for all speaker mountings. For free standing speakers, these should be sited on a suitable isolating material.
- The behaviour of patrons can be a significant factor in the levels of generated noise, particularly where the sale of alcohol is concerned. Regular patrols should be undertaken during and after the festival to identify and prevent any potential for unnecessary noise due to the behaviour of patrons.
- Patrons should also be reminded of the nature of surrounding premises upon leaving the premises following the end of festival operations

Proposed Noise Management Plan - Events

In order to reduce the likelihood of causing an adverse impact during event operations it has been recommended that the following mitigation measures are implemented:

- The noise limits as stated in the Clement Acoustics document 17576-NIA-01_RevH must be achieved for all amplified music.
- **Note: The limits shown are predictions, based on the stated assumptions and calculations.**

Period	Low Frequency Limits		Overall Limit
	63Hz	125Hz	
11:00 – 23:00 [Limit for Indoor Activities]	82 dB	90 dB	91 dB(A)
11:00 – 23:00 [Limit for Outdoor Activities]	53 dB	59 dB	59 dB(A)

- The procedures detailed in document 'Temporary Use Planning and Events Strategy' must be followed, in order to ensure that the onsite noise limits shown above, and the receiver noise limits shown in Table 8.2 of 17576-NIA-01 RevH are not exceeded.
- Each event that will take place on the site will be different in its nature and therefore, no permanent sound system will be installed. Once a sound system is installed and prior to the commencement of the event, the methodology of spot measurements should be undertaken to demonstrate the noise limits are complied with. Measurements taken during this exercise must be securely stored and made available to the Local Authority on request.
- Further measurements should be taken during the event to ensure continued compliance, as detailed in 'Temporary Use Planning and Events Strategy'.
- All loudspeakers should be isolated from the warehouse building structure. For fixed speakers, this should be achieved using neoprene fixings for all speaker mountings. For free standing speakers, these should be sited on a suitable isolating material.
- Roller shutters should be closed throughout the smaller weekly event operations, with access and exit provided by smaller doors to the buildings.
- Access doors to all warehouses where amplified music will be played must be treated with lobbies and controlled such that one door can remain closed at all times. Each door to the lobby should have a minimum sound reduction of R_w 35 dB.
- Prior to any event taking place, details of proposed doors must be submitted to, and approved by, Clement Acoustics.
- The screening of sports events should only be undertaken in warehouses treated with acoustic lobby areas.
- The behaviour of patrons can be a significant factor in the levels of generated noise, particularly where the sale of alcohol is concerned. Regular patrols should be undertaken during and after the events to identify and prevent any potential for unnecessary noise due to the behaviour of patrons.
- Patrons should also be reminded of the nature of surrounding premises upon leaving the premises following the end of festival operations