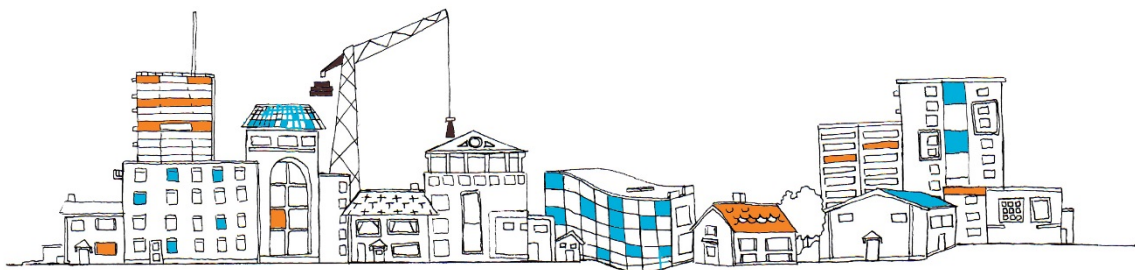


NOISE MANAGEMENT PLAN

Reading Ghana SDA Church

Date: 14/12/2018

Energist UK



REVISION HISTORY

Revision	Issue Date	Description	Issued By	Checked by
A	14/12/2018	Noise Management Plan	NJ	HW

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College Farm
Tetbury Road
Cirencester
GL7 6PY

Tel: 08458 386 387
Fax: 08456 432 232

info@energistuk.co.uk

www.energistuk.co.uk



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1. INTRODUCTION

It is proposed to convert the existing building (a snooker hall) at 10 Cremyll Road in Reading to create a new church building for the Reading Ghana SDA Church. A planning condition for the proposal requires that a noise management plan is submitted.

The following report presents a description of the site and proposals, with a detailed description of the measures that will be implemented to control noise emissions.

2. DESCRIPTION OF SITE AND PROPOSALS

The site is located at 10 Cremyll Road in Reading and was previously occupied by a D2 us (snooker hall). The surrounding area consists predominantly of industrial and commercial buildings, including vehicle sales and maintenance, warehousing, offices and a casino.

The nearest noise sensitive properties are the residential properties located to the south-east of the site at a distance of approximately 100m, to the south-east of several large, 2-3 storey warehouse buildings.

Figure 2.1 highlights the site extent in **red** and surrounding building, with the nearest noise sensitive properties highlighted in **green**.

Figure 2.1 Proposed Development Site and Nearest Noise Sensitive Properties



Planning consent has been obtained for a change to the use of the site to a place of worship (D1) – Reading Borough Council planning application 152242, dated 20 May 2016. The consented operating hours are as follows:

- 18:00 – 22:00 hours Monday to Friday
- 09:00 – 18:00 hours Saturday
- 16:00 – 21:00 hours on Sundays and Bank Holidays

The main periods of use will be as follows:

- (a) On Saturdays, between 09:00 and 18:00 hours, with the main church service taking place between 09:00 and 13:30 hours, followed by bible discussions and singing until 18:00 hours.
- (b) On Sundays, for occasional social gatherings and meetings between 16:00 and 21:00 hours

Other uses include social activities, prayers, choir rehearsals and community meetings on Wednesday and Friday evenings between 19:00 and 22:00 hours.

Potential noise sources associated with the use, which will require management, are therefore as follows:

- Noise break-out from the building
- Pedestrian and vehicle noise
- Building services plant noise emissions

Measures that will be implemented to manage these potential noise sources are discussed in the following sections.

3. PURPOSE OF NOISE MANAGEMENT PLAN

The purpose of this noise management plan is summarised as follows:

- To identify potential sources of noise from the proposed activities
- To describe measures that will be implemented to minimise noise emissions to nearby noise sensitive properties, to prevent nuisance
- To comply with conditions 10 and 12 of the planning consent for the change of use
- To describe measures for responding to any complaints that are received

4. NOISE BREAK-OUT FROM THE BUILDING

The following will be implemented to control noise break-out from the building:

- The building will only be used during the consented operating hours
- The external envelope of the main hall and worship area (external doors and windows) shall be kept closed when amplified music, amplified voices or singing are taking place in the main hall
- Any ventilation openings in the external building envelope (natural or mechanical) will be fitted with suitable acoustic attenuation
- Where possible, loudspeakers will not be located near to external doors or windows
- Bass noise will be limited to reasonable levels
- No music, singing or performance shall be permitted outside the building at any time

5. PEDESTRIAN & VEHICLE NOISE

The following will be implemented to control noise from pedestrians and vehicles associated with the building:

- All visitors to the site will be made aware of the sensitivity of the site neighbours by way of clear signage inside and outside the main building access points
- Signs will request that visitors respect the privacy and peace of the site neighbours during their arrival and departure
- Site staff will work with visitors to reduce the potential for raised voices externally and to discourage loitering outside the building

- Clear car park signage will indicate access and egress points, to ensure safe, well-managed use of the car park
- Signage in the car park will also request that visitors close car doors quietly, do not use horns at all and that car engines are not left to idle
- To reduce vehicle quantities, visitors will be encouraged, prior to their visit (email, website, etc.), to travel to the site by walking, cycling or using local bus services whenever possible (health benefits, etc.). The site is noted to be well placed and readily accessible via each of these modes of transport
- Car park management will be in place during large events, involving the use of trained parking marshalls to guide vehicles into parking spaces in an organised fashion, thereby reducing the need for vehicle idling or circulating, and maximising the amount of vehicles parked on the site, as opposed to surrounding roads

6. BUILDING SERVICES PLANT NOISE EMISSIONS

Noise emissions associated with any building services plant serving the proposed use are considered separately via planning condition 12, which states the following:

“The predicted noise rating level, $L_{Ar,Tr}$ (specific sound level plus any adjustment for the characteristic features of the sound) as measured at a point 1 metre external to sensitive façades shall not exceed the ambient noise level (L_{Aeq}) for all activities associated with the church hereby permitted.”

Noise mitigation measures that shall be considered in the selection and design of any new items of plant are as follows:

- Housing of building services plant within the building, to contain noise radiating from the plant casings
- Selection of low-noise fans and other plant
- Use of appropriate atmospheric duct-mounted attenuators on fans
- Use of plant during permitted operating hours only

7. NOISE COMPLAINTS HANDLING PROCEDURE

Any complaints that are received in relation to noise associated with the site will be acted upon promptly and positively.

Contact details (telephone, email) shall be displayed on the outside of the building (or on the website) to ensure that any complaints can be communicated directly.

The following details shall be recorded for any complaint:

- Date and time of event
- Name of complainant
- Receptor location/s (address, internal/external)
- Specific noise issue causing the problem
- Observations and nature of the issue (continuous/intermittent, character of noise)
- Effect of the issue on the receptor (nuisance, sleep disturbance, outside/inside, etc.)
- Longevity of the issue (ongoing, short-term, etc.)
- Weather conditions at time of issue
- Relevant staff name/s

Any complaints will be acted upon immediately to understand the extent of the issue and to take all necessary action to mitigate the problem.

This noise management plan shall be reviewed every 12 months.

APPENDIX 1: ACOUSTIC TERMINOLOGY

Decibel (dB)	A logarithmic scale representing the sound pressure or power level relative to the threshold of hearing (20×10^{-6} Pascals).
Sound Pressure Level (L_p)	The sound pressure level is the sound pressure fluctuation caused by vibrating objects relative to the threshold of hearing.
A-weighting (L_A or dBA)	The sound level in dB with a filter applied to increase certain frequencies and decrease others to correspond with the average human response to sound.
$L_{Aeq,T}$	The A-weighted equivalent continuous noise level over the time period T (typically T= 16 hours for daytime periods, T = 8 hours for night-time periods). This is the sound level that is equivalent to the average energy of noise recorded over a given period.
$L_{A90,T}$	The noise level exceeded for 90% of the time (also referred to as the background noise level), measured over the period T