

Noise Management Plan (Camden Goods Yard)

Site Address – St. George Camden Goods Yard, Chalk Farm Rd, Camden Town, London NW1 8AA

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1 Purpose

The purpose of the present report is to specify the controls necessary to carry out works at Camden Goods Yard (NW1 8AA) in such fashion that it ensures that the least amount of nuisance is created to nearby receptors.

2 Site Location

The site is located at St George Camden Goods Yard, Chalk Farm Rd, Camden Town, London NW1 8AA.



3 Noise Predictions

Continuous sound pressure level LAeq at (10 m) establish in the British Standards 5228 Part 1.

The noise assessment considered the different sensitive receptors directly adjacent to the south east of site and 12m north west of site (residential buildings), and commercial buildings 16m

east of site. The report will focus on the closest distance to receptors which is directly adjacent to residential gardens along the south eastern boundary of the site.

Sensitive receptor – Laeq(10h) assessment

In order to determine the LAeq(10H) which is the acoustic parameter that best describes noise nuisance to the receptors, a list of plant and equipment has been drafted and the following values are obtained based on the details of BS 5228 Part 1.

Plant or equipment	Laeq at 10m	Distance Correction	Screening	Reflection	No. machines	% on time	Correction no. machines	Correction on-time	Laeq Plant	Laeq (10h)
Excavator (35T)	79	-0.0	-10	3	1	70	0.0	-1.5	70.5	76.44
Excavator (25T)	77	-0.0	-10	3	1	70	0.0	-1.5	68.5	
Hydraulic Hammer mounted on 35T Excavator	91	-0.0	-10	3	1	70	0.0	-1.5	82.5	
Hydraulic Hammer mounted on 25T Excavator	91	-0.0	-10	3	1	70	0.0	-1.5	82.5	
Excavator (13T)	69	-0.0	-10	3	1	70	0.0	-1.5	60.5	
Articulated Dumper (25T)	81	-0.0	-10	3	1	70	0.0	-1.5	72.5	
J45 Crusher	82	-0.0	-10	3	1	70	0.0	-1.5	73.5	
Wheel Shovel (25T)	83	-0.0	-10	3	1	70	0.0	-1.5	74.5	
Diesel Generator (50KVA)	65	-0.0	-10	3	1	100	0.0	0.0	58	

4 Axle Lorry	80	-0.0	-5	3	2	20	3.0	-7.0	71
Water Bowser	81	-0.0	-10	3	1	40	0.0	-4.0	70

The following considerations were taken for the presented results:

- All equipment is working simultaneously
- The equipment is running as per conditions specified (on time % for the work shift)
- The acoustic calculations assume that plant and equipment are kept at least 10m from receptors – it is expected that most equipment would be positioned well away from site boundary, which would greatly increase the noise attenuation calculated for each piece of equipment
- The calculated Laeq(10H) is 76.4 dB(A)

4 Proposed controls

Physical Control Measures

A comprehensive range of physical control measures can be implemented at the site to further mitigate noise levels:

- Erection of a 2.4m high hoarding fence along the site boundary, especially along the residential properties, which would lower the noise levels experience at these locations.
- Silencers will be fitted to all machinery where possible.
- Generator and engine compartment doors will be kept closed and plant turned off when not in use.
- Plant from which the noise generated is known to be particularly directional should, wherever practicable, be orientated so that the noise is directed away from noise-sensitive areas. Acoustic covers to engines should be kept closed when the engines are in use and idling.
- Always ensure that doors fitted to acoustic enclosures around fixed plant remain closed, the fitting of self-closing mechanisms is advisable.
- Drop heights must be minimised when loading vehicles with rubble.

Management Control Measures

A comprehensive range of management control measures will be implemented at the site including:

- All plant and equipment will be regularly maintained to ensure that no item will produce excessive noise.
- Traffic movements from waste collection vehicles will take place during operational hours and these will take into consideration the crematorium requests for quiet periods.
- A speed limit of 5 mph will be in place at the site.

- Site staff will be made aware that they are working in the immediate vicinity of a sensitive receptors and avoid all unnecessary noise due to misuse of tools and equipment, and unnecessary shouting.
- Plant maintenance operations should be undertaken as far away from noise-sensitive receptors as possible.
- Limit the use of particularly noise plant, i.e. do not use particularly noisy plant early in the morning.
- Limit the number of plant items in use at any one time.
- When replacing older plant, ensure that the quietest plant available is considered wherever possible; any deliveries/spoil removal vehicles should be programmed to arrive and depart during daytime hours only.
- Care should be taken when loading vehicles to minimise disturbance to local residents.
- Report any defective equipment/plant as soon as possible so that corrective maintenance can be taken.
- A complaints response system shall be maintained by the contractor for the site enabling any complaints regarding noise to be reported and appropriate action taken.

Engagement with Neighbours and other interested parties:

- Get to know the neighbours, be concerned about them and try to understand their problems.
- Encourage them to know the site personnel, listen as well as talk.
- Create a good impression by running a tidy and efficient site.
- Ensure lines of communication by:
 - Nominating a point of contact for issues relating to the site.
 - Letter drop to neighbours providing relevant information.
 - Give advance notice and explanation of activities that might cause complaint and keep systematic records of complaints and the remedial actions taken, and follow up complaints with correspondence and action.
 - Set up email account for interested parties to communicate concerns etc. and potentially set up Instagram account to communicate project progress etc.
 - Ensure that site staff are environmentally aware and are trained to cope with issues.

5 Noise Toolbox Talk

Environmental Alert– January 2018



Noise Control

Introduction

Construction and demolition sites are inherently noisy and often take place in residential areas that are normally quiet. They have the potential to create statutory nuisance in the form of noise and vibration that can create health risks to site staff and the general public.

The Control of Pollution Act, Section 60, gives Local Authorities the power to serve notices that specify:

- The maximum levels of noise that may be emitted from any particular point
- The type of plant or machinery that may, or may not, be used on site
- The working hours when noise may be made



How to control noise on site

- Selection of low noise method - for example, off-site fabrication of concrete panels would avoid the need for scabbing of concrete and the use of vibrating pokers
- Working Hours – adapt working hours to restrict noisy activity to certain periods of the day. Arrange delivery times to suit the area
- Location of equipment on site – where possible, noisy stationary equipment should be placed away from sensitive receptors and public areas
- Provision of acoustic enclosures – most modern equipment (such as compressors or generators) will come with its own hood or door. These should always be kept closed and in good order.
- Methods for screening noise include the use of site hoarding or purpose-built screens
- Other general measures that can be employed to reduce noise include:
- Planning site haul routes to avoid reversing vehicles
- Planning deliveries times and routes to suit local conditions

- Minimising drop heights of materials into lorries and dumpers
- Shutting down plan when not required

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