

**Belmont Industrial Estate,
Calder Valley Skip Hire
Noise Management Plan**

July 2020





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Calder Valley Skip Hire

Noise Management Plan

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1 INTRODUCTION

- 1.1 Entrant Limited was commissioned to formulate a noise management plan (NMP) for the existing and proposed operations at the Calder Valley Skip Hire (CVSH) site at Sowerby Bridge, West Yorkshire.
- 1.2 This NMP is framed to discharge planning condition 11 subject to which planning permission was granted under Appeal A Ref APP/A4710/W/18/3205776 to facilitate overall operations with the proposed Small Waste Incineration Plant ('SWIP') and the drying of inert soils and aggregates at the site. Condition 11 under Appeal A is repeated as condition 5 of the conditions subject to which planning permission was granted under Appeal B so that this NMP is also framed to discharge that condition too.
- 1.3 The NMP approach is based on the following considerations:
 - Prevention;
 - Suppression; and
 - Containment



2 NOISE MITIGATION STRATEGIES

2.1 Potential sources of noise generated at the site are:

- Delivery of materials and waste
- Stockpiling
- Loading/Unloading skip and heavy goods vehicles
- Vehicle/mobile plant movements
- Recycling Building use
- SWIP building
- Dryer

2.2 The general principles of the mitigation strategy are:

- where possible, mobile plant exhausts are fitted with mufflers. The main examples of when this is not possible is where the fitting of mufflers would compromise the efficiency of the engine so that it is unable to exhaust gases as fast as it should or would adversely affect pollution control measures;
- where vehicles are standing at the site for a significant period of time, engines will be switched off;
- in the event that noisy static equipment is located outside the buildings acoustic enclosures or sound insulation, either integral or separate, will be fitted where physically possible to suppress noise;
- plant will operate at low speeds, where possible, and, where plant incorporates automatic low speed idling that facility will be used when it is feasible to do so. This is only possible when the plant is awaiting the next workload and only practicable when it is doing so for more than a very short period of time, say, more than a minute. When that is the case, the plant will be put into low idling speed (i.e. in neutral gear or disengaged mode) either manually or, where the facility is available, automatically. Mobile plant that has its engine under load will tend to emit higher noise levels than plant that is in neutral or idle



mode. When the plant is required to work on a full payload then its engine will necessarily and unavoidably be under load. This measure is designed only to avoid the emission of more noise from the plant than is necessary;

- an electrically driven shredder has been acquired to replace the noisier diesel driven shredder. As and when it becomes necessary in the future to replace the shredder an electrically driven shredder will again be selected;
- the dryer and feed hopper to the SWIP will operate on hydraulic power in order to reduce the noise output;
- mobile plant will be wheeled or rubber tracked in order to reduce the noise output;
- all site surfaces will be well maintained and kept level so that vehicles and mobile plant run smoothly on them;
- all plant will be properly maintained (greased, blown silencers replaced, saws kept sharpened. Teeth set and blades flat, worn bearings replaced etc). This is in any event a health and safety requirement and a requirement of CVSH's ISO 14001 environmental standard certification;
- plant will be certified to meet any relevant Regulations or British Standards (which as from the end of 2020 are scheduled to replace the equivalent EC Directives);
- all operational site staff will be made familiar with the noise mitigation guidance and trained in the value of noise reduction and trained to minimise noise on-site and, therefore, also off-site; and
- early and good public relations with the adjacent residents will be sought via the Liaison Group to be established pursuant to Condition 21 of the planning permission granted under Appeal A.

- 2.3 All incoming material will be delivered to the recycling building to be shredded, screened and sorted. Deliveries will not be permitted outside the stipulated operating hours. Most delivery vehicles under the control of CVSH shall have white noise reversing bleeps rather than tonal bleepers (health and safety permitting) Over time all delivery vehicles under the control of CVSH will have white noise reversing bleeps. The waste is handled by a grab type machine and two loading shovels inside the recycling shed. Empty skips shall be deposited



and stacked at a designated area with care using the telescopic arm of a skip vehicle rather than high impact dropping by mechanical plant of skips into other skips for stacking. All skip vehicles under the control of CVSH are equipped with hooks and short length chains so that when the skips are empty the chains can be hooked onto the side of the vehicle. By rendering the chains taut in this way, together with smooth running surfaces, chain rattle is minimized.

- 2.4 All internal site wide movements will adhere to a maximum 10mph speed limit on site. As stated above, internal roadways are kept in good condition.
- 2.5 All incoming articulated lorries will be booked in advance by CVSH's transport office with set arrival times. The site has a waiting area adjacent to the access road so that during daytime operational hours all incoming trucks are managed in order to reduce/avoid queuing at the entrance gates.
- 2.6 The dryer will only be operated during the existing daytime operational hours. It will be operated by at any one time by one member of staff, out of a complement of three dedicated members of staff who will be fully trained for that purpose. Such training will include the need to operate the dryer to minimise noise. Loading of the dryer will be undertaken with mobile plant whose loading bucket will be raised only just above the height of the loading hopper of the dryer. The loading of the dryer will, therefore, avoid the dropping of aggregates from a high level.
- 2.7 The SWIP roller shutter doors will be kept closed save for the ingress of RDF fuel for the SWIP and the egress of containerised ash and abatement plant residues from the SWIP during daytime operational hours. As there will be no fuel deliveries or other need for access/egress at night, the roller shutter doors will be kept closed at night.



3 RESPONSIBILITIES

- 3.1 The overall responsibility of the operations/activities within the facility at the site will be CVSH's operations director. He will put in place the necessary procedures to secure compliance with the NMP.
- 3.2 The operations director will work alongside the site manager and may at times, delegate responsibility to the site manager. The site manager will have delegated powers to ensure compliance with the NMP.
- 3.3 The operations director together with the site manager are responsible for the satisfactory resolution of any complaints in accordance with the Complaints Procedure (see below). All complaints will be logged and available for viewing by the local Council and the Environment Agency on request. The outcome of any noise complaint investigation will be shared with the Council's EHD.
- 3.4 CVSH will continue to operate its complaints procedure set out in its Environmental Management System as required by its Environmental Permit granted by the Environment Agency. Any complaints received from the occupiers of neighbouring properties will be recorded on a prescribed complaints form (CV05) with the information that the form calls for. A copy of form CV05 is annexed to this NMP. All complaints of noise, together with the completed complaints form, will be brought to the attention of the operations director and the site manager and will be investigated. Where the complaint is well founded, remedial measures will be put in place or remedial action will be taken, as may be appropriate and feasible. The outcome of the investigation will be recorded on the complaints form and any such measures or action will also be recorded on it under the heading of proposed improvements. When it is possible to do so, the outcome and any proposed improvements will be reported to the complainant and whether such reporting has been made will also be recorded on the form. Records of all such complaints and actions shall be maintained on site by CVSH. The outcome of any investigation and any proposed improvements will also be discussed with the Liaison Group.
- 3.5 Where any unavoidable noisy or vibration generating works, which are not part of the normal day to day operations of the facility, have to be undertaken close to occupied buildings, CVSH will continue to liaise with the local authority and will also engage with the Liaison Group. CVSH will explain to the local authority and the Liaison Group the reason for the



works, the expected time and duration of the works, and the procedures for minimising noise or vibration. These liaison procedures shall also apply to any works for which an application has been sought temporarily to exceed the noise or vibration limits under exceptional circumstances.

- 3.6 The provision of suitable and adequate training of members of staff, including the training as referred to in paragraphs 2.2 and 2.6 above, is a requirement of CVSH's Environmental Management System with which it must comply pursuant to its Environmental Permit granted by the Environment Agency. The facility is operated by CVSH under ISO 9001 (management standard) and also, as stated above, ISO 14001 (environmental standard) and these audited standards also require the provision of training for site staff. Records of training provided are recorded on form CV03 as part of CVSH's Environmental Management System and such records shall be kept on site by CVSH. A copy of form CV03 is attached to this NMP.

Title	Training Record
number	CV03

Name:					
Date of birth:					
Employment started:					
Job title:					
Driving licence details:					
Training Type	Date of course	signed manager	signed employee	internal external	certificate y/n

Document	Issue date	Authorised by	Reviewed by	Version number
CV03	10/2/2010	Brian Cook	Peter Sawrij	1.1

Title	Complaint Investigation Report
Number	CV05

Nature of complaint

Dust ☐

Noise ☐

Mud ☐

Other ☐

Complainant name:

Address:

Contact number:

Time of complaint:

Details of complaint:

Investigator: _____

Date on incident _____

Outcome of investigation

Reported back to complainant? YES / NO

Proposed Improvements

Document	Issue date	Authorised by	Reviewed by	Version number
CV05	10/2/2010	Brian Cook	Peter Sawrij	1.1