

Noise Management Plan

This Noise Management Plan was undertaken following the methodology in Noise and vibration management: environmental permits (January 2022).

The Site is located within an industrial estate, and therefore a large number of commercial and industrial properties are located within a 400m radius. These include:

- Data centres
- Shopping centres and retailers
- Warehouses and logistics premises
- Vehicle rental and repair shops
- Corporate offices
- Manufacturing plants

Other potential human receptors within screening distance include the following:

Receptor	Distance	Direction
Herschel Grammar School	407 m	North-east
The Center leisure centre	234 m	North
Public Health Nursing 4 Slough	185 m	North-west
Premier Inn Slough West (Slough Trading State)	361 m	North-west
Occupational Health Ltd – hospital	361 m	North-west
121 Forex & Stock Trading Courses Slough education centre	321 m	South-west
Atria holiday	379 m	South-west
Shreeji Ophthalmic Primary Care Services	472 m	South-east
Residential dwellings	281 m	South-east
Residential dwellings	357 m	East
Residential dwellings	472 m	South

Should any noise complaints be received from any source, including the above identified sensitive receptors, the Noise Complaint Form will be completed. The complaints log will be made available to the EA on request.

Additionally, a BS 4142:2014+A1:2019 noise impact assessment was undertaken by Noise Consultants Ltd as part of the planning application which concluded the following:

- once contextual factors have been considered, an “Indication of Low Impact depending on the context” for the daytime (07:00 – 23:00hrs) and night-time (23:00 – 07:00hrs) during normal and emergency operations.
- Predicted internal noise levels at neighbouring commercial premises indicate compliance with BS8233 Criteria for an ‘executive office’.

- During the daytime and night-time, the predicted operational noise levels are considered to be below LOAEL for all receptors by reference to Planning Practice Guidance-Noise (PPG-N). Under such circumstances PPG-N advises that the action is “No specific measures required”.

This noise assessment has been submitted with the environmental permit application.

Sources of Noise and Mitigation Measures

The table below describes the identified potential sources of noise and the actions and processes in place to mitigate them.

Sources of Noise		Mitigation actions
1	Large vehicles travelling to and from the site.	<ul style="list-style-type: none"> • All vehicles are required to be driven onto and off the site with due consideration to neighbours. • Deliveries of fuel are made only during daytime hours so that disturbance is minimised.
2	Large vehicles on site for: <ul style="list-style-type: none"> • Fuel Delivery • Removal of wastes, including bund emptying 	<ul style="list-style-type: none"> • Vehicles must be well maintained and driven slowly around the site. • Engines must be turned off when not required. • Vehicles which are fitted with audible reversing warning systems are generally only used during the daytime.
3	Small vehicles travelling to and from the farm (e.g. staff or contractors, courier van deliveries, etc.)	<ul style="list-style-type: none"> • Small vehicles arrive during the working day and are therefore considered as a low risk.
5	Operation of fans and chillers	<ul style="list-style-type: none"> • Efficient extraction fans are used and maintained in good condition to avoid excessive noise. • Fan related noise complaints will be investigated promptly.
6	Alarm systems and standby generators	<ul style="list-style-type: none"> • Systems tested bi-weekly. This is timed to minimise any nuisance to neighbours. • Bi-weekly checks will highlight noise problems.
8	Personnel	<ul style="list-style-type: none"> • Staff and other contractors are required to carry out their duties without creating excessive noise through shouting, use of radios, etc.
9	Repairs	<ul style="list-style-type: none"> • When repair work is required at the site it is undertaken during normal working hours and with due regard to possible noise disturbance. • In the event of major repair work which is likely to cause significant noise and disruption or an emergency night time breakdown which is likely to impact on critical data centre operations, neighbouring residents will be notified.

Noise Monitoring

Daily noise monitoring will not be undertaken. If testing of generators or other facilities at the site gives rise to noise then this will be investigated and any follow up action required.

Noise Response

In the event that a breakdown of equipment occurs, or should a complaint be made, the following response measures will be taken:

Event	Response	Timescale
Fans operating incorrectly	Should a fan stop working or work noisily repair will be requested promptly.	Immediately
Generator noise	The generators installed at site will be new and should incorporate low noise design with enclosed containerised design. Should any malfunction, repair will be requested promptly. Unless total loss of power is experienced, generator will only be used for approximately 30 minutes every two weeks for test.	Immediately
Noise from heavy vehicles	If a heavy vehicle is operating noisily, the operator will be requested to not bring it back to site until repaired.	Immediately

Bi-weekly tests of the generator should identify any noise issues and allow an engineer visit to be scheduled. All other equipment should be maintained in accordance with manufacturer's recommendations, e.g. periodic lubrication of drives where required. Changes in noise though fan and motor related issues will be identified through changes in sound, and an engineer's visit scheduled.

Review of this plan

This plan will be reviewed by management at least annually or following receipt of noise complaints.

Noise Complaint Form

<i>Complete this form in as much detail as possible, in accordance with the requirements of the Noise Management Plan.</i>	Date Recorded:	Reference Number:
Name and address of complainant		
Telephone number of complainant		
Details of complaint		
Date, time and duration of noise		
Noise description e.g. hiss, hum, rumble, rattle, etc.		
Possible source e.g. generators, chillers, vehicle, personnel.		
Continuous or intermittent and any other comments?		
Complainant visited?	Yes / No	
General weather conditions at time of problem		
Wind strength and direction (e.g. light, steady, strong, gusting)		
Any previous complaints relating to this noise?	Yes / No	
Any other relevant information.		
Potential noise sources that could give rise to the complaint.		
On-site activity at the time offending noise occurred.		
Suggested cause of complaint.		

Follow up			
Date and time complainant contacted			
Action taken			
Amendment required to the noise management plan?		Yes / No	
Form completed by		Signed	