

Noise Management Plan

Site: Carkin Moor Farm

Operator: S Ward and J Lee

Permit number: EPR/new

Date: August 2023

Prepared by: L Bentley

Introduction

This bespoke Noise Management Plan (NMP) has been prepared to support the overall Environmental Management System in place at Carkin Moor Farm. The overriding principle of this NMP is to ensure the day-to-day activities are carried out in accordance with this document to help minimise the overall environmental impact and nuisance factor to nearby residents.

The nearest two sensitive receptors are within 100m of the installation boundaries and there is one further receptor within 400m. The Farmhouse and The Squirrels House are 13m and 37m respectively. The next nearest neighbour, Warrener House, is 175m metres from the installation.

There is no history of noise complaints.

Setting

The installation is located at National Grid Reference NZ 16515 08477 (Carkin Moor Farm). Please refer to Appendix 4.

Figure 1 shows the location of the installation and of the receptors (with grid references) which have been considered in this management plan.

Figure 1: Buffer zone and sensitive receptors

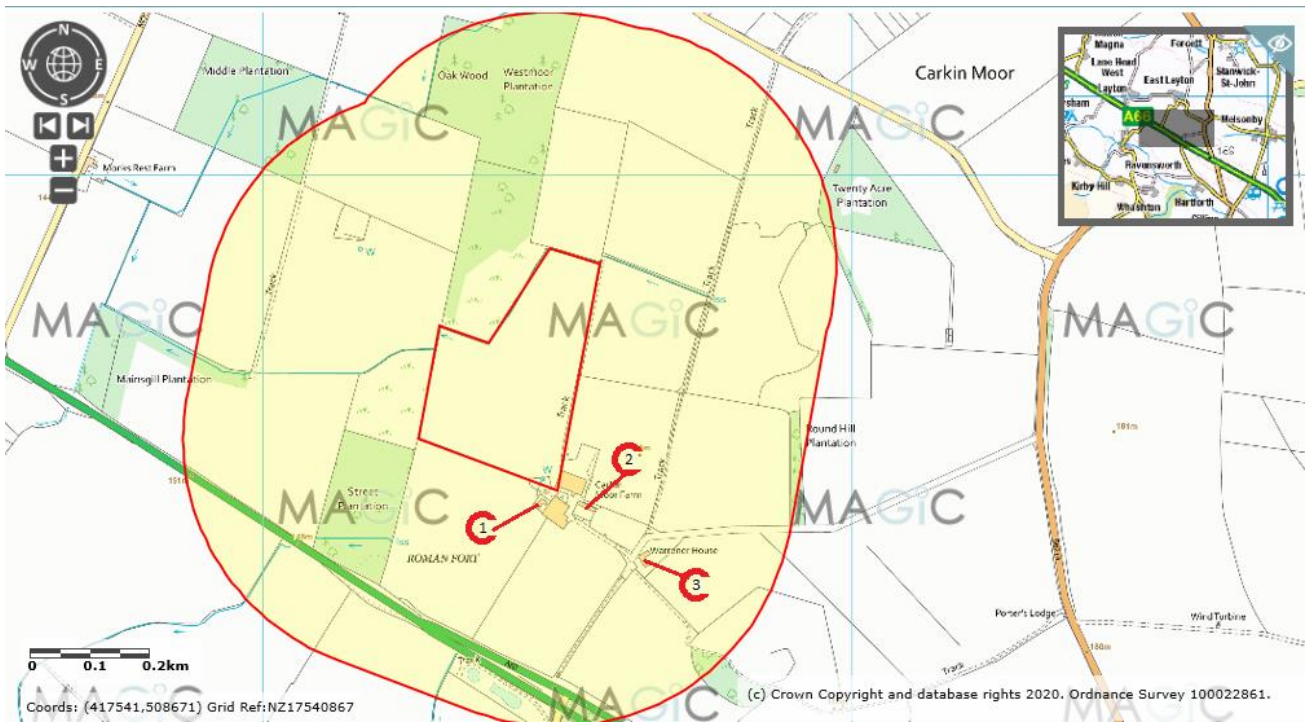


Table 1: Sensitive Receptor Locations

Grid Reference	X (Eastings)	Y (Northings)	Latitude	Longitude	Description (Click to Edit)	Address	Postcode
NZ 16491 08678	416491	508678	54.473202	-1.7470476	Installation	A66, C	DL11 7PA
NZ 16467 08444	416467	508444	54.471097	-1.7474173	1 The Squirrels House	A66, C	DL11 7PA
NZ 16554 08437	416554	508437	54.471030	-1.7460807	2 Farm House	A66, C	DL11 7PA
NZ 16642 08353	416642	508353	54.470275	-1.7447287	3 Warrener House	A66, C	DL11 7PA

Table 2: Distance of Sensitive Receptors from Installation Boundary to nearest point of domestic curtilage

Reference	Description	Distance (m)	Operator owned?
1	The Squirrels House	16	Yes
2	The Farm House	37	Yes
3	Warrener House	175	No

The purpose of this Noise Management Plan is to:

- Establish the likely source of noises arising from the farm
- Set out procedures at the farm in order to mitigate or minimise the risk of noise
- Formalise an effective method of dealing with any noise complaints quickly and efficiently.

This plan will be reviewed in the light of any building and management changes, and on the outcome of investigations into the cause of any future noise complaints, if any occur.

Any noise complaints will be recorded and investigated using the Noise Complaint Report Form contained within Technical Guidance Note IPPC SRG 6.02 (Farming) Noise Management at Intensive Livestock Installations.

Potential Noise Sources

The following sources have been identified:

- Noise arising from vehicle movements into and around the site
- Noise arising from ventilation systems and operations
- Noise arising from de-populating
- Noise arising from cleanout (machines and loading of trailers)
- Noise arising from standby generator (only used as backup)

Noise Management and Control Measures

Noise related issue	Potential Risk and Problems	Actions taken to prevent or minimise noise	Completion Date
Noise from vehicle accessing and manoeuvring	Vehicles arriving at the site Revving of engines Rattling of empty bulk trailers or trailers loading with catching	Speed restriction in place for any vehicles coming to or leaving the site.	In place.

	<p>modules (depopulation specific)</p> <p>Release of air brakes</p>	<p>Revvng of engines to be kept to a minimum at all times.</p> <p>Operations mainly carried out during normal working hours. Vehicles maintained in accordance with manufacturer's recommendations, and defective silencers replaced. Audible reversing signals required for safety purposes.</p> <p>Yards maintained to repair holes.</p> <p>Minimal and infrequent use of heavy vehicles on site, due to the system type.</p>	
<p>Noise from machinery working on the site</p> <p>Skid steer, long reach loaders and compressors (cleanout specific)</p>	<p>Loading and unloading of live bird modules on/off trailers and movement around the site.</p> <p>Cleaning out machines scraping internal floors to remove litter.</p> <p>High pressure compressed air used for blowing down building internals.</p>	<p>Efficient planning of catch teams and minimised movements.</p> <p>There is to be no scraping of external concrete aprons – these areas are to be mechanically brushed only.</p> <p>High pressure air compressors in operation are to be positioned within the building being blown down, to help reduce external noise.</p>	In place

Ventilation systems and operational techniques	Noise created from worn fan motors and bearings.	Fans with automatic controllers set to maintain optimum environmental conditions within buildings. Efficient, quiet, fan types selected. Regular maintenance and cleaning takes place.	In place
Noise from feed deliveries	Engine noise from both vehicles and blowing motors Delivery of feed through pipework into silos Location of feed silos in relation to sensitive receptors	Operations mainly carried out during normal working hours. Vehicles maintained in accordance with manufacturer's recommendations, and defective silencers replaced. Audible reversing signals required for safety purposes. Feed delivered under minimum pressure. Silos are positioned at the furthest locations from any sensitive receptors wherever possible within biosecurity and operational requirements.	In place
Noises from washing/disinfection operations	Prolonged engine noise from wash pumps running.	Modern low noise pumps. Well maintained equipment.	In place

<p>Waste removal/recovery:</p> <ul style="list-style-type: none"> • Litter • Waste water • General waste 	<p>Vehicle movements</p>	<p>Few movements as possible. Short duration.</p> <p>Intermittent activity.</p>	
<p>Excessive noise created by bird depletion</p>	<p>Bird excitement / stress</p> <p>Loading of modules onto trailers</p>	<p>Only approved and trained personnel.</p> <p>Scheduled loading so that birds are quickly loaded onto trailers and removed from site once complete.</p>	<p>In place</p>
<p>Noise from standby emergency generator</p>	<p>Routine testing of generator</p>	<p>As it is a requirement to ensure the generator is in working condition at all time the power unit must be run and documented for two hours every week.</p> <p>This will be done by two single one hour tests in normal working hours.</p> <p>In the event of any failure in power supply at any time, the generator will automatically take over the supply to the site and will therefore run for as long as required without any restriction.</p>	<p>In place</p>

Delivery of supplies and materials		Typically small deliveries during normal working hours by arrangement. Low perceived impact.	In place
Alarms		Alarm system rings key personnel as well as emitting audible alarm on site. This increases the likelihood of prompt action should the alarm system be triggered. And the fact that off-site personnel are also contacted, reduces the chance of continual sounding of the alarms when staff are not present on site e.g. overnight.	In place

Last reviewed December 2022

Summary

Noise levels are assessed daily by operators and staff.

We have always worked hard to minimise our impact on our closest receptors and as a result have not had any complaints about noise. We continually assess management techniques to improve our control of noise pollution.

This plan will be reviewed in the light of any building and management changes, and on the outcome of investigations into the causes of any future complaints, if any occur.

Any noise complaints will be reported to Susan Gloria Ward and Julie Anne Lee who will log and investigate causes of all complaints; identifying the source of the noise issue and monitoring noise levels at the site boundary as part of the investigation. The complaint details and subsequent investigation will be recorded on the site complaint form and a copy will be kept in the site office.

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