

Noise Management Plan

Farm name: Southfield Pig Farm

Operator: Cattle (Holderness) Limited

Permit number: EPR/AP3531FB

Date: May 2024

Prepared by: L Bentley

Introduction

This bespoke Noise Management Plan has been prepared to support the overall Environmental Management System in place at Southfield Farm. The overriding principle of this plan is to ensure the day-to-day activities are carried out in accordance with this document to help minimise the overall environmental impact.

The application site is within 400m of two residential dwellings. Point A, adjacent to the installation, is owned by the operator and resided in by a stockman working on the unit. Being “farm-owned”, this residential property is not currently a relevant receptor for the purpose of this NMP.

Point B, to the North of the installation, is just within the 400m buffer zone and is a third-party residence. The prevailing wind direction is Westerly.

The changes greatly reduce potential for nuisance/emissions.

There are no other sensitive receptors within 400m. There are no historical complaints on record.

Setting

The installation is located at National Grid Reference **TA 38036 21037**. Please refer to Appendix 4.

Figure 1: Site references and 400m buffer zone

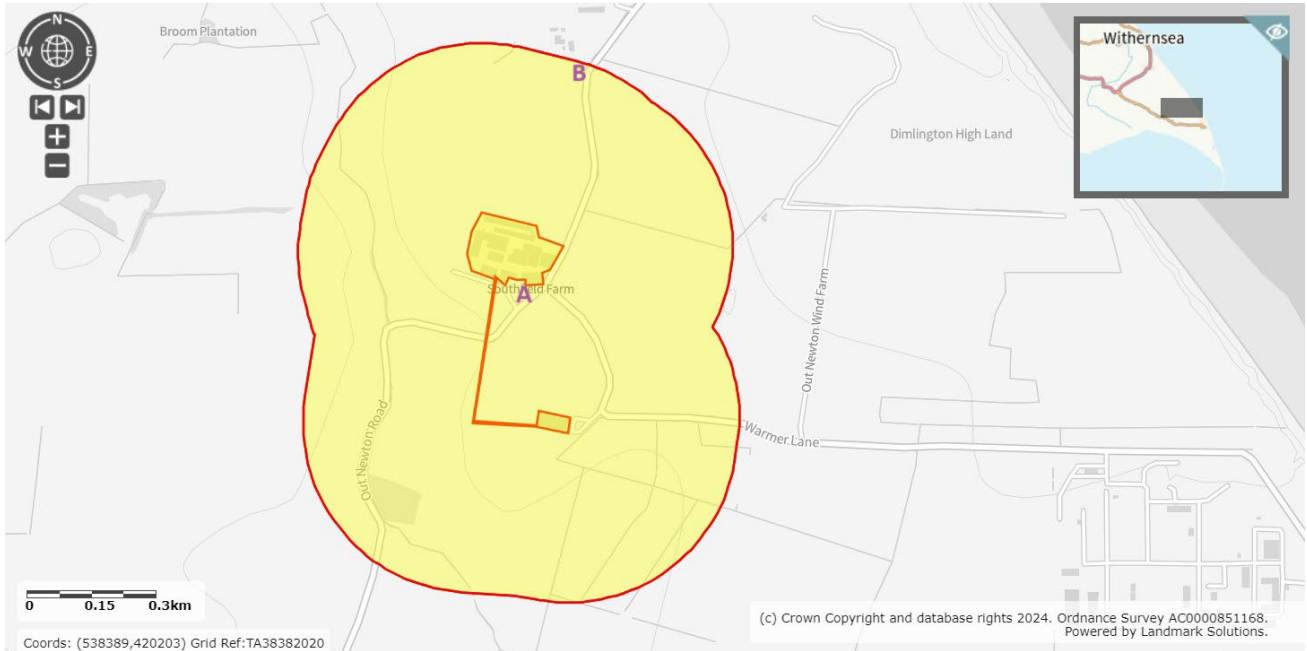


Table 1: Distance of Sensitive Receptors from Installation Boundary to nearest point of property curtilage

| Reference in Figure 1 | Grid Reference | Address | Type | Distance (m) from installation boundary |
|-----------------------|----------------|--------------------------------|--|---|
| A | TA 38017 20985 | Southfield Farm, HU19 2RE | Residence | 0m (not currently a relevant receptor, as farm-owned and inhabited by farm staff) |
| B | TA 38135 21501 | Spring Farm Bungalow, HU19 2RE | Residence (adjacent to other working agricultural sites) | 357m |

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. Please see copy in Appendix 1 of this document.

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 loading or moving pigs
- Noise from pigs in buildings
- Noise arising from cleanout (machines and loading of trailers)
- Noise arising from standby generator (only used as backup)
- Noise arising from feed deliveries/handling
- Noise from operation of incinerator
- Noise arising from the Mill and Mix and feed/ feed ingredient deliveries/handling

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 | <p>Vehicles arriving at the site</p> <p>Revvng of engines</p> <p>Release of air brakes</p> | <p>Speed restriction in place for any vehicles coming to or leaving the site.</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> | In place. |
| <p>Noise from machinery working on the site</p> <p>Skid steer, long reach loaders and compressors/pressure washers (cleanout specific)</p> | <p>Cleaning out machines scraping internal floors to remove FYM.</p> <p>High pressure compressed air used for blowing down building internals.</p> | <p>Minimised, efficient movements.</p> <p>There is to be no scraping of external concrete aprons – these areas are to be mechanically brushed only.</p> | In place |

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| | Pressure washers at clean out. | <p>Distance from bedded sheds to nearest muck pad minimised to reduce noise when moving manure.</p> <p>High pressure air compressors (intermittent activity) in operation are to be positioned within the building being blown down, to help reduce external noise.</p> <p>Ditto pressure washers.</p> | |
| 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. No obstructions above outlets. | In place |
| Incinerator | Noise from incinerator in operation | <p>Low risk of noise nuisance. Intermittent activity.</p> <p>Incinerator shielded from nearest receptors by pig buildings.</p> | In place |
| Feed milling and mixing | Running machinery | The machinery is modern, well maintained, and relatively quiet running. All machinery is housed in a purpose- | Feed milling and mixing |

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|---|--|---|----------------------------|
| | | built mill building with roller shutter doors. | |
| Noise from feed deliveries | <p>Engine noise from both vehicles and blowing motors</p> <p>Delivery of feed through pipework into silos</p> <p>Location of feed silos in relation to sensitive receptors</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>Feed delivered under minimum pressure. Silos are positioned at the furthest locations from any sensitive receptors wherever possible within biosecurity and operational requirements.</p> <p>There are buildings between delivery points and receptors.</p> <p>In moving feed from mill to feed troughs, some of the diets are wet-fed so reducing noise heard outside the buildings as there are no augers in these cases.</p> | Noise from feed deliveries |
| Noises from washing/disinfection operations | Prolonged engine noise from wash pumps running. | Modern low noise pumps. Well maintained equipment. | In place |

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| <p>Waste removal/recovery:</p> <ul style="list-style-type: none"> • FYM • Slurry • General waste | <p>Vehicle movements</p> | <p>Few movements as possible. Short duration.</p> <p>Intermittent activity.</p> <p>Slurry lagoon sited nearly 800m from Point B. And nearest midden approx. 450m distant from the domestic curtilage of Point B.</p> | |
| <p>Excessive noise created by pig loading or moving</p> | <p>Pig excitement / stress</p> <p>Loading of pigs onto trailers</p> <p>Movement of pigs between buildings</p> | <p>Only approved and trained personnel.</p> <p>Scheduled loading so that pigs are quickly loaded onto trailers and removed from site once complete.</p> <p>Main movement passages in interior of buildings.</p> <p>Loading race and ramp under cover – staff trained to move pigs with least stress in optimum width races.</p> <p>Pigs grouped ready to load onto transport before vehicle arrival.</p> <p>Pigs maintained in stable batches. No shouting. Suitable and gentle handling aids in accordance to Red Tractor assurance standards – i.e. pig boards and rattle</p> | <p>In place</p> |

| | | | |
|--|----------------------------------|---|----------|
| | | paddles or bags; <u>no</u> electric prods. | |
| Noise from standby emergency generator | Routine testing of generator | <p>The back up generator is a fixed unit which is stored on-installation. It has a noise reduction cabinet which keeps the level to within the legal limits.</p> <p>In the event of any failure in power supply at any time, the generator will be employed to take over the supply to the site and will therefore run for as long as required without any restriction.</p> <p>We can confirm the generator is tested no more than 1 hour per week and usage in an emergency is no more than 500 hours per year. In fact, the generator is running for approximately 5 minutes per week to test that it can fire up, run and connect.</p> | In place |
| Delivery of supplies and materials | | Typically small deliveries during normal working hours by arrangement. Low perceived impact. | In place |
| Alarms | Prolonged or/and frequent alarms | Alarm system rings key personnel as well as emitting audible alarm on site. This increases | In place |

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| | | <p>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.</p> <p>Systems kept well serviced and maintained to reduce risk of system failure.</p> | |
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Last reviewed May 2024

Summary

Noise levels are assessed daily by operators and/or 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 the operators 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. Please see Appendix 1 of this document, for a copy of the Noise Complaint Form.

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Appendix 1

Typical form for the recording of a noise complaint

| Noise Complaint Report Form | | | |
|--|--|----------------|-------------------|
| Installation to which complaint relates: | | Date recorded: | Reference number: |
| Name and address of caller: | | | |
| Tel no. of caller: | | | |
| Location of caller in relation to installation: | | | |
| Time and date of complaint: | | | |
| Date, time and duration of offending noise: | | | |
| Caller's description of noise (e.g., hiss, hum, rumble, continuous, intermittent, vehicle noise, machinery): | | | |
| Has the caller any other comments about the offending noise? | | | |
| Weather conditions (e.g. dry, rain, fog, snow): | | | |
| Wind strength and direction (e.g. light, steady, strong, gusting) or use Beaufort scale (see Table 2.1): | | | |
| Any other previous complaints relating to this noise? | | | |
| Any other relevant information: | | | |
| Potential noise sources that could give rise to the complaint: | | | |
| Operating conditions at the time Offending noise occurred – e.g. deliveries, feeding, use of machinery etc: | | | |
| Follow-up Date and time caller contacted: | | | |
| Action taken: | | | |
| Amendment requirement to noise management plan: | | | |
| Form completed by: | | Signed: | |