**Appendix 6a: Noise Management Plan - Dale Farm**

**Introduction**

This plan has been prepared as part of the IPPC permit application because there are sensitive receptors within 400m of the installation. The table below lists all the sensitive receptors with 400m of the site boundary.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Receptor name** | **Description** | **Distance** | **Orienation** | **National Grid Ref Number** |
| On site caravan | Operator caravan | 20m | West | TA004658 |
| Woodbine Farm | Residential | 275m | North West | TA001661 |

The purpose of the plan is to:

* Set out the procedures followed at Dale Farm in order to prevent or minimise noise
* Formalise the procedures for dealing with any noise complaint

The table on pages 2 and 3 of this document sets out the likely sources of noise and the procedures that must be followed to minimise noise levels.

Noise Complaint Procedures

* Any noise complaint received will be dealt with by Anna Wardle, Operations Manager, as well as notifying the Environment Agency Area Officer immediately.
* If a complaint is made, the form will be completed and this will be available for inspection
* Information will normally be collected by visiting the complainant, although in some cases, contact may be made by telephone.
* After details of the complaint have been compiled, the cause (s) will be investigated, with reference to:
	+ The activities taking place on the farm at the time
	+ The timing of the complaint
	+ The weather conditions
* The likely reasons for the complaint will be added to the form
* The feasibility of making changes to the activities responsible for the complaint will be considered. If changes are made, the Noise Management Plan will be amended accordingly.

Review Procedures

The plan shall be reviewed at least every three years or as soon as practicable after a complaint

|  |  |  |  |
| --- | --- | --- | --- |
| **Typical sources of noise** | **Potential Risk and Problems** | **Actions taken to minimise noise** | **Completion date** |
| Large vehicles travelling to and from the farm |  | All vehicles are required to be driven onto and off the site with due considerationDeliveries of feed and fuel are usually made during daytime | In place |
| Large vehicles travelling on site |  | Vehicles have to be well maintained and must be driven slowlyEngines to be switched off when not in useVehicles which are fitted with an audible ‘vehicle reversing’ warning system are generally only used in daytime | In place |
| Small vehicles travelling to and from the farm | Vehicle may cause annoyance through noise | Small vehicles arrive during the normal working day thus low risk | In place |
| Feed transfer from lorry to bin | Vehicle and transfer of feed may cause annoyance through noise | Vehicles are well maintained and are designed so that noise during transfer is minimalDrivers should comply with speed restrictionsDeliveries are made during the daytime  | In place |
| Operation of fans | Fans may cause annoyance through noise | Efficient extractor fans used, maintained in good condition to avoid excessive noiseUse fewer, larger fans operating at lower speeds or variable speed fans that may produce less noise  | In place |
| Alarm system and stand by generator | Alarm may cause annoyance through noise | Weekly system test is carried out, timed to minimised nuisanceAll electrics and equipment are routinely maintained so that backup systems rarely need to be used in practice | In place |
| Personnel | Staff may generate noise | Staff and other contractors are required to carry out their work without creating excessive noise and during normal working hoursStaff, contractors and visitors should be instructed not to raise voices or play radios too loud.  | In place |
| Repairs | Routine repair work and maintenance may generate noise | If repairs to the site are required, the work is undertaken with due regard for possible noise nuisance In the event of major repair work, neighbouring residents will be notified in advance | In place |
| Feeding systems | Running of the feed | Careful consideration of feeding times of the hens has been taken into account – only running in daytime hours (latest one is 8pm)The auger system is usually pretty quiet.  | In place |
| Manure removal | Running the manure belt | The muck is removed during working hours, usually musk is run out of the shed after 1pm on a Monday, Tuesday, Thursday and Friday.  | In place |
| Animal noise | Depop | The depop is led very calmly and all of the catching of the hens is performed on a night time, when the hens are asleep – causing minimal disturbance to them.All of the catching teams are fully trained and RSPCA assured. Unfortunately the catching has to take place on a night – due to the welfare of the birds.  | In place |

**Appendix 6b: Odour Management Plan – Dale Farm**

Introduction

This plan has been prepared as part of the IPPC permit application because there are sensitive receptors within 400m of the installation.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Receptor name** | **Description** | **Distance** | **Orienation** | **National Grid Ref Number** |
| On site caravan | Operator caravan | 20m | West | TA004658 |
| Woodbine Farm | Residential | 275m | North West | TA001661 |

The purpose of the plan is to:

* Set out the procedures followed at Dale Farm in order to prevent or minimise odour
* Set out the procedure for odour checking
* Formalise the procedures for dealing with any odour complaint

The table on pages 2 and 3 of this document sets out the likely sources of odour and the procedures that must be followed to minimise odour levels.

Odour Complaint Procedures

* Any odour complaint received will be dealt with by Anna Wardle, Operations Manager, as well as notifying the Environment Agency Area Officer immediately.
* If a complaint is made, the form will be completed and this will be available for inspection
* Information will normally be collected by visiting the complainant, although in some cases, contact may be made by telephone.
* After details of the complaint have been compiled, the cause (s) will be investigated, with reference to:
	+ The activities taking place on the farm at the time
	+ The timing of the complaint
	+ The weather conditions
* The likely reasons for the complaint will be added to the form
* The feasibility of making changes to the activities responsible for the complaint will be considered. If changes are made, the Odour Management Plan will be amended accordingly.

Review Procedures

The plan shall be reviewed at least every three years or as soon as practicable after a complaint. Checklist for odour and a daily checklist will be implemented.

|  |  |  |
| --- | --- | --- |
| **Odour Related Issue** | **Potential risks** | **Actions taken to minimise odour and odour risks** |
| Manufacture and selection of feed | * The use of poor quality and odorous ingredients
* Feeds which are unbalanced in nutrients, leading to increased excretion and litter moisture and emissions of ammonia and other odours compounds
* Milling and mixing of feeds
 | * No on site milling and mixing
* Feed specifications are prepared by the feed compounders nutrition specialist
* Feed is supplied only from UFAS accredited feed mills, so that only the approved raw materials are used
 |
| Feed delivery and storage | * Spillage of feed during delivery and storage
* Creating of dust during feed delivery
 | * Feed delivery systems are sealed to minimise atmospheric dust
* Mini cyclone is fitted to the blow pipe, catching any excess feed spillages
* Any spillage of feed round the bin is cleaned up promptly
* The condition of feed bins is checked frequently
 |
| Manure management | * Odours arising from wet litter
 | * Controls on the feed and ventilation help maintain litter quality
* Use of nipple drinkers to minimise spillage
* Insulated walls and ceilings to prevent condensation
* Concrete floors to prevent water ingress
* Stocking density at optimal levels to prevent overcrowding
* Use of health plan, with specialist veterinary input used as necessary
* Adequate amount litter is used: this is also essential to livestock welfare and performance
 |
| Carcass disposal – (removal does not take part at Dale Farm) | * Inadequate storage of carcasses on site
* On site disposal of carcasses by incineration
* Removal of carcasses by contactor
 | * Carcasses are placed in sealed containers after they are removed from the house
* The daily odour checklist specifically tests the carcass area
* Fallen stock is removed twice weekly from site. Four times during the hotter months
 |
| House clean out | * Creation of dust associated with litter removal
* Use of odorous products to clean house
 | * Litter is carefully placed into trailers. When full, the trailer is taken off site
* Only approved and suitable products are used
 |
| Dirty water management | * Standing dirty water during the production cycle or at clean out
* Applications of dirty water to land
 | * Areas around the house are concreted and remain clean during the production cycle
 |
| Odour complaints |  | * All odour complaints logged
* Odour checklist implemented
 |
| Layer production | Odour levels | * Twice daily, checks are carried out for high house odours. This goes hand in hand with the regular inspection of the stock. This takes place between 7am – 5pm. Any abnormalities are recorded and investigated.
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**Monitoring Procedure**

**Procedure**

Monitoring is carried out weekly at the installation boundary, by means of “sniff testing” by persons which are not directly involved with the day to day running of the site.

All records will be kept in the on site folder.

Our “sniff testing” will be measured using the following:

0 – no odour detected

1 – Low intermittent odour detected

2 – Low continuous odour detected

3 – Medium odour detected

4 – High odour detected

5 – Very high odour detected

In the event of the odour scores reaching 3, 4 and 5 the site staff will be alerted to implement contingency measures. Retesting at the boundary will be performed following any actions implemented to ensure the effectiveness.

Monitoring procedures / frequency to be reviewed annually or in the event of a complaint.

**Weekly “Sniff Testing” record sheet**

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| --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Name** | **Time** | **Wind direction** | **Weather** | **Scores (0-5) &****Duration of odour** | **Any action to be taken** |
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