



Odour Management Plan

Moy Park Limited

Barn Lodge Farm (Belvoir Farm)

Saltby Road

Croxton Kerrial

Grantham

NG32 1RB

Permit number EPR/KP3432AX/V002

Contents

- 1. Introduction**
- 2. General Description**
- 3. Site Plan**
- 4. Odour Management and Control Measures**
- 5. Odour Complaints Procedure**
- 6. Community Liaison**
- 7. Review**

Appendix 1 Complaint Form

Appendix 2 Odour Monitoring Form

Appendix 3 Sniff Test Guide

1. Introduction

As part of the Environment Management System for Barn Lodge Farm, this Odour Management Plan has been prepared to ensure that the risk of odour pollution from the farm is minimised. To date the farm has not received any odour complaints.

2. General Description

The farm is located at SK 84600 28072, approximately 1km south east of the village of Croxton Kerrial and 10km south west of Grantham. All sheds are of timber and metal construction, with high velocity ridge extraction ventilation.

The existing site currently has a capacity of 220,000 broiler chickens housed in 6 sheds which are heated by biomass boilers. The proposal is to add an additional 4 sheds and one biomass boiler, increasing the total capacity to 371,000 birds. The additional sheds will be of similar proportions to the existing sheds.

Wash water is stored in over ground and underground collection tanks which are emptied at turnaround and spread to land by a local farmer. Litter is removed from the site and taken to Theftord Power Station. Bird mortalities are collected by JG Pears Newark Ltd and disposed of in accordance with the Animal By-Products Regulations 2011.

The surrounding area is predominantly arable and there are no sensitive receptors within 400 metres of the farm, however Heath Farm is approximately 480 metres to the north. There are no statutory habitat sites within the relevant screening distances.

3. Site Plan



The aim of this Odour Management Plan is to

- Identify potential sources of odour arising from Barn Lodge Farm
- Identify management practices and procedures that are taken to control or minimise the risk of odour
- Identify a procedure for dealing with any complaints received and any subsequent actions

4. Odour Management and Control Measures

Odour Source	Potential Risk	Actions to minimise risk	Responsibility (where applicable)
Selection of feed	Poor quality ingredients Feeds which are unbalanced in nutrients, leading to increased excretion, litter moisture and higher emissions of ammonia and other odorous compounds	The nutritionist ensures that protein and phosphorus is reduced as the rations change throughout the cycle A feed sample for every load of feed delivered to the site is left and documented for both quality assessments and traceability (kept on site for a minimum of 3 months)	Feed compounder's Nutrition Specialist Delivery Driver Farm Manager
Feed delivery and storage	Spillages during delivery Dust created during delivery	Sealed delivery systems to minimise dust. All sheds are fitted with dust cyclones or dust socks Spillages cleaned up immediately, bagged and placed in general waste skip or returned to the hopper if not contaminated Condition of silo checked when feed levels checked and any required repairs reported. A thorough check is made every 3 months	Feed delivery driver Farm Manager
Ventilation Techniques	Inadequate air movements within the buildings can lead to high humidity and high moisture levels in the litter Inadequate control of inlets and fan controls leads to poor dispersal of potential odours	The automated ventilation system is designed to efficiently control, and when required, removes humidity from within the buildings. Maintenance schedules are in place and are carried out in line with manufacturers recommendations and guidance. This is to minimise the risk of any breakdowns during the cycle	Maintenance Team
Litter conditions and management	Odours arising from wet litter and poor management Spillage of water from drinker systems Disease outbreaks leading to poorly conditioned birds – excessive dropping leading to higher moisture content in the litter	Controls on feed and ventilation help maintain litter quality. Also, nipple drinkers and drip trays to minimise spillage. Veterinary health plan to maintain bird health. If any areas of damp litter are found, an investigation into the cause will take place and bedding up as required Sheds walked 3 times a day to ensure optimum conditions are maintained and any abnormalities investigated and addressed.	Farm Manager

	Building design and quality	All walls and ceiling voids have been insulated to prevent condensation and cold bridging. A damp proof membrane is laid under the concrete floors to prevent moisture being drawn up from the ground. Building and structure checks carried out at turnaround and any necessary repairs reported	Farm Manager Maintenance Team
Carcass disposal	Inadequate storage of carcasses on site Carcasses stored on site for prolonged period	Carcasses are stored in purpose built, locked bins and treated with an odour neutraliser in hotter weather. They are stored in a designated area on the farm Carcasses collected for disposal every week or more often if necessary After depletion, bins are washed and disinfected. Washings are directed to the dirty water system.	Farm Manager Farm Manager
Management of drinking water systems	Spillages of surplus water from drinker systems	Systems are checked daily and any abnormalities or required repairs are reported	Farm Manager
Catching	High levels of odour release through increased ventilation Turning over of any damp litter during machine access and in-house movements External areas becoming heavily contaminated during depletion Prolonged depletion schedules and number being removed at any one time	All fans switched to manual whilst catchers are in the sheds Machinery movements to be kept to a minimum to help avoid the churning up of litter Catching planned for minimal disruption to the site and neighbours.	Farm Manager Farm Manager/Contractors Planning Team
Litter removal	Creation of odorous dust during clean down Heaping up and removal of large quantities of litter Loading of lorries/trailers	Under normal circumstances, only 3 houses at a time will be littered out. All internal areas blown down to remove trapped dust. Litter is scraped in to the middle of the shed which aids drying and reduces loading time. Ridge fans only to be used at this time. Lorries are parked near the shed doors to reduce the distance the litter is moved and sheeted before leaving the site Trailers are kept clean and well maintained to ensure no litter is deposited on public roads	Agrex Mountains
Cleaning and disinfection	Use of odorous products to disinfect buildings following wash down	Chemicals to be used by trained personnel only. Dilution carried out as recommended by the supplier.	Agrex
Dirty water management	Standing or open stored dirty water during the production cycle or clean-out Removal of dirty water from tanks	Yard to be kept clean at all times during the cycle Dirty water is stored in underground tanks which are emptied by vacuum tankers at the end of the cycle or more often as required due to rainfall. Levels in the tanks are checked weekly	Farm Manager Farm Manager

5. Odour Complaints Procedure

Any complaints are normally passed on to Anwick Security by the Environment Agency. If a complaint is received the following procedure will be followed:

Action	Responsibility
Forward details of the complaint to the Farm, Area Manager & Environmental Manager as soon as possible	Security
Enter details of complaint on to the Complaint Form (appendix 1)	Farm Manager
Either: If the source of the complaint is evident (farm catching or cleaning out, or odorous activity taking place off site, such as landspreading) no monitoring required	Farm Manager
Or: Check the farm for obvious sources of odour (eg. doors left open or carcass bin lids left off etc)	Farm Manager
Carry out odour monitoring at predetermined points and using Odour Monitoring Form (Appendices 2-4)	Farm Manager
Discuss investigation findings with Area Manager. If on site activity is found to be the source, this should be stopped as soon as possible (assuming welfare of the birds is not impacted). Sources of odour off-site should also be recorded	Farm Manager
Complete complaint form and send to Environmental Assistant at Oakside. A copy should also be kept on the farm	Farm Manager
Log details of the complaint to identify any trends	Environmental Assistant

If key personnel are unavailable, alternative nominated contacts will be responsible for the above. Feedback on investigation findings to be provided by the Area Manager on request.

If complaint details are passed on to Moy Park more than 12 hours after the first report, no further action will be taken by on site staff. Details of the complaint and any potential sources of odour, both on and off-site, will be logged by the Environmental Assistant for information and statistical purposes only.

6. Community Liaison

Moy Park are keen to engage with neighbours and the local community. Neighbours are encouraged to contact Moy Park directly if they are impacted by any activities at Barn Lodge Farm. If direct reports are made, the above complaints procedure will be followed and the Environment Agency will be notified.

If any neighbour wishes to visit the farm to better understand how it is run and managed this could be arranged on request.

7. Review

This Odour Management Plan will be reviewed every four years or following any substantiated odour complaints. The interval will be shorter if any relevant changes are made to operations and infrastructure or the number of complaints increases.