



Introduction

An Odour Management Plan (OMP) has been prepared because there are sensitive receptors within 400 metres. Mostly located to the north east and west of Barn Farm – nearest are three dwellings at Park Farm, Hawks Hill and Sparham Hill Cottage off Fakenham Road and a further dwelling to the south-east at Walsis' Farm. The Farm Manager's house is closest but not required in the OMP.

Sensitive receptors within 400 metres

Location	Distance from boundary Metres	Name	Receptor	Grid reference
A1067 Fakenham Road	~152	Park Farm	Dwelling	TG 08683 19045
A1067 Fakenham Road	~327	Hawks Hill	Dwelling	TG 08535 19150
A1067 Fakenham Road	~395	Sparham Hill Cottage	Dwelling	TG 08269 18795
A1067 Fakenham Road	~393	Walsis' Farm	Dwelling	TG 08919 18254

Measured on MAGIC map applications

Wind direction is defined as the direction from which the wind is blowing. The Met Office wind rose for Coltishall shows that the prevailing wind direction locally is from the south-west. Blowing any odour away from the sensitive receptors most of the time including the farm manager's house, Park Farm, Hawks Hill and Sparham Hill Cottage off Fakenham Road and Walsis' Farm. Planning application in 2014 included an Odour Dispersion Modelling Study that predicted odour from the poultry unit would be rarely detectable.

The following table sets out:-

- Likely sources of odour arising from the breeder unit;
- Procedures followed or planned at Barn Farm in order to prevent or minimise odour levels.



Odour sources and actions to minimise odour

Odour related issue	Potential risks and problems	Actions taken to minimise odour risks at Barn Farm	Completion date
Ventilation and heating systems	<ul style="list-style-type: none"> • Inadequate air movement in the house, leading to high humidity and wet litter • Inadequate system design, causing poor dispersal of odours • Extraction fans located close to sensitive receptors • Electricity supply disrupted. 	<p>Measures are described in How to comply – Intensive Farming:-</p> <ul style="list-style-type: none"> • Installed high velocity fans with chimneys on roof to exhaust air faster, higher & better odour dispersal • Regularly clearing dust deposits from around vents to prevent build up • Installed computer controlled ventilation and heating systems and regularly adjusted to match age, weight and health requirements, and avoid excessive humidity, manure with low dry matter content, wet litter, ammonia and odour • Maintaining a preventive maintenance programme & record keeping for buildings and equipment with employees and professional contractors • Installed package generator if electricity supply is disrupted. 	In place
Litter management	<ul style="list-style-type: none"> • Odours arising from wet litter (see above) • Use of insufficient or poor quality litter • Spillage of water from drinking systems • Disease outbreak leading to wet litter. 	<p>Measures are described in How to comply – Intensive Farming:-</p> <ul style="list-style-type: none"> • Insulated walls & ceilings to prevent condensation • Concrete floors to prevent water ingress • Controls on feed and ventilation (see above) help to keep litter dry & friable • Monitoring litter daily/weekly and problems with dampness rectified or replacing litter from a stock kept on site • Maintaining a preventive maintenance programme & record keeping for buildings and equipment with employees and professional contractors 	In place



Odour related issue	Potential risks and problems	Actions taken to minimise odour risks at Barn Farm	Completion date
		<ul style="list-style-type: none"> • Using a Health Plan with professional veterinary input as required • Installed package generator if electricity supply is disrupted. 	
Drinking systems	<ul style="list-style-type: none"> • Water spillage from drinking systems 	<p>Measures are described in How to comply – Intensive Farming:-</p> <ul style="list-style-type: none"> • Installed nipple drinkers to minimise spillage • Checking daily to detect leaks and avoid capping • Maintaining a preventive maintenance programme & record keeping for buildings and equipment with employees and professional contractors. 	In place
Manufacture and selection of feed	<ul style="list-style-type: none"> • Milling and mixing of compound feed • 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 odorous compounds to air. 	<p>Measures are described in How to comply – Intensive Farming:-</p> <ul style="list-style-type: none"> • Feed specifications prepared by nutrition specialist • Supplied from certified mills in assurance schemes so only approved raw materials being used • Feeding is precisely controlled, poultry meal is weighed into every house to provide every bird with sufficient energy, protein and nutrition for egg production and without wasting feed or exceeding their target body weight • No on-site milling or mixing. 	In place
Feed delivery and storage	<ul style="list-style-type: none"> • Spillage of feed during delivery and storage • Creation of dust during feed delivery. 	<p>Measures are described in How to comply – Intensive Farming:-</p> <ul style="list-style-type: none"> • Installed package silos, pipes and augers • Installed package cyclone dust collectors so dust is collected for use, reducing waste and lessening odour release too. • Deliveries twice per week, typically less than an hour 	In place



Odour related issue	Potential risks and problems	Actions taken to minimise odour risks at Barn Farm	Completion date
		<ul style="list-style-type: none"> • Deliveries are monitored to avoid dust and spills • Any spillage is immediately cleared up • Maintaining a preventive maintenance programme & record keeping for buildings and equipment with employees and professional contractors. 	
Stocking and destocking	<ul style="list-style-type: none"> • Creation of dust associated with moving chickens in and out 	<ul style="list-style-type: none"> • Stocking and destocking every 13 weeks when a pair of poultry houses have completed a cycle, mostly at night time and only takes a few hours each time • Live bird handling modules nearly always covered to protect chickens, and also limits dust and odour. 	In place
Litter removal	<ul style="list-style-type: none"> • Creation of dust associated with litter removal from houses • Storage of used litter on site • Transport of litter and applications to land 	<p>Measures are described in How to comply – Intensive Farming:-</p> <ul style="list-style-type: none"> • Generally considered to be most odorous activity • Removed every 13 weeks when a pair of poultry houses have been destocked and only takes a few hours to empty each • Removed and houses cleaned out as soon as possible, maybe as soon as the house is destocked but normally no more than 3 days on Friday and cleaning out on Monday • Litter carefully loaded directly into trailers positioned outside the doors so no double handling • Full trailers covered before leaving • No used litter is stored on site • Site Manager is responsible for investigating complaints, remedial & follow up action & record keeping, including any changes to the Odour Management Plan. 	In place



Odour related issue	Potential risks and problems	Actions taken to minimise odour risks at Barn Farm	Completion date
House clean out	<ul style="list-style-type: none">• Creation of dust associated with litter removal from houses• Use of odorous products to clean houses.	<p>Measures are described in How to comply – Intensive Farming:-</p> <ul style="list-style-type: none">• Cleaning out as soon as possible, maybe as soon as the house is destocked but normally no more than 3 days on Friday and cleaning out on Monday• Clearing dust deposits from around vents• Only using suitable and approved products• Dirty water collected in an underground tank designed to have sufficient storage capacity• Keeping drains clear of litter, etc to avoid backing-up, pooling, over spilling on any unmade areas• Maintaining a preventive maintenance programme & record keeping for buildings and equipment with employees and professional contractors.	In place
Dirty water tank	<ul style="list-style-type: none">• ‘Standing’ dirty water during the production cycle or at clean out• Offensive odour from tankers emptying dirty water tanks• Application of dirty water to land.	<p>Measures are described in How to comply – Intensive Farming:-</p> <ul style="list-style-type: none">• Installed dirty water storage tank underground• Areas around the houses are concreted & kept clean during the production cycle• Regularly emptied by professional contractors to prevent stagnation	In place



Odour related issue	Potential risks and problems	Actions taken to minimise odour risks at Barn Farm	Completion date
Carcass disposal	<ul style="list-style-type: none">• Inadequate storage of carcasses on site	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none">• Storing in plastic bags and secure containers• Containers must be kept covered at all times• Containers located away from sensitive receptors• Frequently removed by an approved transporter under the National Fallen Stock scheme• Frequency can be increased anytime.	In place
Waste disposal	<ul style="list-style-type: none">• Inadequate storage of waste on site	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none">• Carcasses must not be deposited in any waste skip and any putrescible material put in bags• Waste containers must be kept covered at all times• Containers located away from sensitive receptors• Frequently removed by a registered carrier• Frequency can be increased anytime.	In place



Permit reference EPR/NP3135JA, Cobb Europe Ltd, Barn Farm

Odour Management Plan version November 2018

Monitoring for emissions which maybe causing annoyance beyond the site boundary

The OMP including all of the actions to minimise odour and odour risks at Barn Farm shall be implemented and maintained as part of the farm's written environmental management system. The Farm Manager is responsible for checking the actions continue to be in place and implemented by employees and contractors and with daily monitoring for any odour emissions by sniff testing near the boundary.

Complaints procedure

Should a complaint be raised with any farm it is the responsibility of the Facilities manager of that Facility to notify the Production team. This is one of either Dominic Smith, Senior Manager Production U.K. Adam Eastgate, Senior Regional Manager Production. Richard Weatherley, EMEA Production Director. Upon receiving the complaint an investigation will be conducted and findings of the complaint shared with the appropriate parties.

Complaints must be investigated and findings recorded as soon as reasonably practical. Also refer to the Poultry Industry (2013) 'Code of Conduct: Addressing Odour Complaints' and the Poultry Industry (2013) 'Good Practice Checklist; Reducing Odours from Poultry Production through the Application of Best Available Techniques' kept in the farms written environmental management system.

If the odour is still present, investigate how to reduce it or stop it immediately. If the odour is no longer present investigate ways to prevent reoccurrences or the odour becoming so intense in the future. If the source of the complaint is not immediately apparent, investigate further to ensure the actions in the OMP are in place and are continuing to be effectively implemented or make recommendations to the responsible person for changes to the OMP following a complaint or a review of its effectiveness.

This plan must be reviewed every 4 years from the permit issue date or after any complaint.



Permit reference EPR/NP3135JA, Cobb Europe Ltd, Barn Farm

Odour Management Plan version November 2018



1. Complaints should be passed on to the 'responsible person' on receipt.
2. Complaints should be logged on the sheet provided and kept in the Complaints Log in the site office.

Complaint No.	
Date of complaint	
Complaint details	
Complainant telephone number	
Details of complaint (date, time, nature of odour, any other details)	
Complainant visited	
Weather conditions	
Wind direction	
On farm activities at the time of the complaint	
Suggested cause of complaint	
Complainant contacted with explanation Yes/No Date By whom	
Need for Odour Management Plan review?	