Odour Management Plan

The following plan has been prepared as part of the EPR permit application.

The following tables highlight the likely sources of odour arising from poultry turkey/broiler production at Ploddy House Farm.

Actions and measures are listed that will prevent where possible or minimise odour emissions at Ploddy House Farm

Site plan shows all material storage areas and potential odour emission sources.

Plan to be reviewed every year from permit issue date, prior to any major changes to operations (to ensure effectiveness) or following any complaint, any changes to OMP or other management plans to be documented dated and signed and Area Officer notified.

Actions and preventative measures in OMP referenced from Odour Assessment Document and Fugitive Emissions Assessment in line with the H1 Risk Assessment, to be implemented in conjunction with the following key documents;

Emergency Plan

Technical Standards

Routine Maintenance Schedule

Key responsibility for the OMP and the referenced plans are the Operator or deputies who have been briefed on the requirements.

Example Odour Complaint form attached.

The table below lists all sensitive receptors with 400m.

Receptor Name	Description	Distance	Orientation	National Grid Reference
Haskins Farm	Residential	368m	East	373326,222685

Odour Related Issue	Potential Risks and Problems	Actions taken to minimise odour and odour risks at Ploddy House Farm	Completion date

Manufacture and selection of feed	Milling and mixing of compound feeds. 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 odorous compounds to air.	No on-site milling and mixing. Feed specifications are prepared by the feed compounder’s nutrition specialist. Feed is supplied only from UKAS accredited feed mills, so that only approved raw materials are used. Protein is reduced in accordance with SGN EPR6.09 ‘How to comply with your environmental permit for intensive farming’ ‘How to comply with your environmental permit for intensive farming’.	In place
Feed delivery and storage	Spillage of feed during delivery and storage. Creation of dust during feed delivery.	Feed delivery systems are sealed to minimise atmospheric dust. Any spillage of feed around the bin is immediately swept up. The condition of feed bins is checked frequently so that any damage or leaks can be identified. Feed deliveries are monitored to avoid dust and spills.	In place
Ventilation and heating Systems/Dust	Inadequate air movement in the house, leading to high humidity and wet litter Inadequate system design, causing poor	Use of roof extraction fans to aid dispersion, checked prior to cycle commencement by qualified electrician who will provide 24hr breakdown cover The ventilation and heating system is regularly	In place

	dispersal of odours. Extraction fans located close to sensitive receptors. Dust	adjusted to match the age and requirements of the flock. The ventilation system is designed to efficiently remove moisture from the house. Indirect heating system giving lower humidity levels. Humidity recorded daily and maintained in the range of 55 – 65% keeping a balance of dry litter and avoiding dust production. Stock inspections carried out by trained staff to avoid panicking birds creating dust.	
Litter management	Odours arising from wet litter (see above).	Controls on feed and ventilation (see above) help to maintain litter quality. Additional controls include:- Use of nipple drinkers with drip cups to minimise spillage. Daily checks of drinker height and pressures to avoid capping. Insulated walls and ceilings to prevent condensation. Concrete floors to prevent ingress of water. Stocking levels at optimum to prevent overcrowding. Use of veterinarian bespoke health plan.	In place
Carcase disposal	Inadequate storage of carcasses on site	Carcasses placed into plastic sealed bags, stored in sealed, shaded and vermin proof containers away from sensitive receptors. Frequent (3/5 times per week) Collection of carcasses.	In place
House clean out	Creation of dust associated with litter removal from houses Use of odorous products during cleaning.	Litter carefully placed into trailers positioned close to doors. Trailers sheeted before leaving fill position. Only DEFRA approved and suitable products used. Chemical containers triple washed at point of use. Wash water tank levels monitored during washing	In place In place

		and emptied as required to prevent overfill. Litter out carried out within 24 hours following destocking per house (72 hours total for site)	
Used litter	Storage of used litter on site. Transport of litter and land spreading.	No storage on site at any time. All trailers sheeted before leaving fill position. Avoidance of double handling. Litter sold.	In place
Washing operations including vehicles	Loss of dirty water to land or watercourse	Use of specialist contractors for washing operations. Bespoke terminal hygiene program followed, detailing quantities of water and chemical dilution rates. Key staff monitoring washing operations ensuring effective drainage to dirty water tanks. Dirty water tanks monitored during wash down to maintain freeboard. Washing operations completed within three days. Vehicle washing at designated wash point. All sediment traps and drains cleaned both before and after washing operations	In place
Fugitive emissions	Leaks to doors, bin pipes, feed bins, fuel and chemical storage	Checks to feed storage and fill pipes as per routine maintenance schedule. Fuel oil in approved bunded storage tank.	In place
Dirty water management	Standing dirty water during the production cycle or at clean out. Application of dirty water to land.	Working areas around houses are concreted and kept clean during production cycle. At clean out dirty water from houses together with lightly contaminated yard wash is directed to the underground storage tanks, before being removed off site and spread on operators own land.	In place

Abnormal operations	Water leak/pipe failure Bird health/sickness	Water consumption monitored daily ensuring early detection, wet area blanket covered with top up bedding material to prevent increased odour. Veterinarian contacted (24hour cover) Litter covered with fresh top up bedding to minimise increase in odour until bird health recovered. Abnormal events documented, dated and signed, appropriate plans reviewed and updated to prevent reoccurrence ie. Routine maintenance schedule, Technical standards	In place
Waste production/storage	Odour from production or storage areas	No storage or production of odorous waste on site. Waste management plan in force detailing types and quantities produced along with disposal routes. Records kept on site.	In place
Materials/storage	Potential odour source	Feed delivered into sealed vermin proof silos. Sealed delivery system into poultry houses with no milling or mixing on site. Remaining feed at end of cycle stored in sealed silo and used on subsequent cycle. 3 month shelf life of feed negating the need for removal. Chemicals in secure bunded shed free from frost and unauthorised entry together with any veterinarian products/medicine	In place

Complaints Procedure

‘In the event of odour being detected the site staff will be alerted to implement contingency measures’ and ‘Re-testing at the site boundary will be conducted following any actions implemented to ensure the effectiveness of recorded actions implemented’.
In the event of any strong odour detected the cause would be investigated and actions taken listed in the odour/contingency plans to cease the release. Area officer would be notified immediately, a review of the OMP conducted at the earliest opportunity with any changes communicated to Area officer for approval. Complainant will be contacted following an investigation and notified of the cause and the remedial action that was undertaken. A complaints report would be filled out and retained on site.

Odour Complaint Form

Installation Name	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 odour	
Callers description of odour	
Has the caller any other Comments about the odour?	
Weather conditions	
Wind strength and direction	
Any previous complaints Relating to this odour?	
Any other relevant information	
Potential odour sources that could give rise to the complaint	

Operating conditions at the time offending odour occurred	
Follow up Date and time caller contacted	
Action taken	
Amendment requirement to Odour Management Plan	

Form completed by		Signed	

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