Odour Management Plan

This Odour Management Plan was prepared following the methodology in Sector Guidance Note EPR 6.09 – How to comply with your environmental permit for intensive farming - Appendix 4 - Odour management at intensive livestock installations (Version 2, January 2010).

The following odour sensitive receptors have been identified within 400m of the installation boundary.

Distance from installation boundary	Direction from Installations	Location	Grid Reference (approx.)	
			X (m)	Y (m)
Adjacent to Site boundary	-	Long Lane Farm	518933.2	350982.7
Within Site	-	Bleak House Farm	518974.9	351043.4
30m	N	Terry Booth Farm	519417.7	351776.8
30m	N	Terry Booth Farm	519590.6	351153.0
380m	SW	Lawn Hill Farm	517709.2	350632.7
400m	SW	Croftwood, Skinners Lane	517759.5	35002.0

Bleak House Farm is part of the Installation and does not include residential accommodation so odour complaints from this receptor are not considered likely.

Should any odour complaints be received from any source, including the above identified sensitive receptors, the Odour Complaint Form will be completed. All complaints should be recorded, and causes identified. Appropriate remedial action will be taken in a timely manner with a record kept of actions taken including of any additional measures put in-place to avoid reoccurrence.

The table below describes the identified potential sources of odour and the actions and processes in place to mitigate them.

Odour Related Issue	Potential Risks	Mitigation action
Feed delivery and storage	• Spillage of feed during delivery and storage. • Creation of dust during feed delivery.	• Feed delivery system are sealed to minimise emissions to air. • Any spillage of feed around the bulk bins are immediately swept up. • The integral condition of the bulk feed storage bins is checked frequently so that any damage or leaks can be repaired promptly.

Ventilation system	• Inadequate air movement within the sheds, leading to higher humidity and wetter spent litter. • Inadequate ventilation system design causing poor dispersal of odours.	• The poultry houses are ventilated, and inlet vents and extract fans are computer controlled and adjusted to meet the requirement of the laying hens depending on climatic conditions. • The ventilation system is designed to efficiently remove moisture from the shed to maintain the litter in a dry and friable condition and partially dry the manure for removal by the manure belts.

Spent litter management	• Odours arising from wet spent litter.
	• Spillage of water from drinking systems.
	• Disease outbreaks, leading to wetter spent litter.
		• Controls on feed and ventilation help to maintain spent litter quality, Additional controls include:
		  • Use of nipple drinking systems which minimise spillage.
		  • Insulated walls and ceilings to prevent condensation.
		  • Concrete floors to prevent water ingress.
		  • Stocking density at optimal levels.
		  • Use of Health Plan with specialist veterinary input used as necessary.
		• Gale breaker on outside of veranda provides a winter garden and prevents wind driven rain from entering the poultry houses proper.

Carcass disposal	• Inadequate storage of carcasses on site.	• Mortalities are stored in a freezer locked within a poultry house before they are removed from the site for disposal via a DEFRA registered rendering contractor.
House clean out	• Creation of dust and odours associated with spent litter removal from sheds. • Use of odorous products to clean the sheds.	• Spent litter is carefully loaded into trailers positioned at the entrance to each shed. When loaded the trailer is covered. • Only DEFRA approved and suitable cleaning products are used.
Spent litter storage	• Storage of litter on site • Transport of spent litter and applications to land.	• There is no storage of spent litter outside the houses at any time. • Spent litter is transported in covered trailers. • Spent litter is land spread on land belonging to third parties in accordance with Codes of Good Agricultural Practice.

Dirty water management	• 'Standing' dirty water during the production cycle or at clean out. • Applications of dirty water to land	• Areas around the shed are hardsurfaced and remain clean during the production cycle. • At clean out, dirty wash water is directed into underground tanks for storage. This tank storage is for a short period only. It is then spread to third party land by contractor in accordance with Codes of Good Agricultural Practice.
Manure Handling	• Roadways/yard areas • Store location • Slurry store cover • Slurry/manure treatment	• Any spillage of litter or manure around the storage containers are immediately swept up. • Slurry and manure stores will be covered to minimise odour release. • Slurry and manure are stored on site for minimum possible periods before removal and spreading on third-party land. • No treatment of the slurry or manure will take place at the installation.
Emergency situation – Fire	• Combustion of buildings. • Bird mortalities and disposal.	• A site emergency plan has been prepared. • Electrical supplies to all the shed are professionally fitted, inspected and maintained. • Flammable materials (fuels, etc) are stored away from the poultry sheds to reduce fire hazards.

The contractor plans to apply good construction practice control measures during construction of proposed installations. As such, no potential significant changes in air pollutant and odour emission during operation are predicted, so no additional control measures have been proposed.

Odour Complaint Form

Complete this form in as much detail as possible, in accordance with the requirements of the Odour Management Plan.	Date Recorded:	Reference Number:
Name and address of complainant		
Telephone number of complainant		
Details of complaint		
Date, time and duration of offending odour		
Odour description e.g. comparison with other odours, strong/weak, continuous, fluctuating.		
Any other comments from complainant,		
Weather conditions (e.g. dry, rain, fog, snow)		
Wind strength and direction (e.g. light, steady, strong, gusting) or use Beaufort scale		
Any previous complaints relating to this odour?	Yes / No	
Any other relevant information.		
Potential odour sources that could give rise to the complaint.		
Operating conditions at the time offending odour occurred e.g. removing spent litter, clean out.		

Follow up			
Date and time complainant contacted			
Action taken			
Amendment required to the odour management plan?		Yes / No	
Form completed by		**Signed**	