

Odour Assessment at Thornton Le Moor Poultry Unit

Hazard	Receptor	Pathway	Risk Management	Probability of Exposure	Consequence	What is the overall risk
Odour from the manufacture and selection of feed	Neighbouring dwelling houses within 100m of installation	Air	Measures as described in SGN EPR6.09 Odour Management at Intensive Livestock Installations. Feed specifications prepared by the feed compounder's nutrition specialist.	Unlikely	Odour annoyance	Not significant if managed carefully.
Odour from feed delivery or storage	Neighbouring dwelling houses within 100m of installation	Air	Measures as described in SGN EPR6.09 Feed delivery will be sealed to minimise atmospheric dust. Any feed spillage of feed around bin is immediately swept up. Condition of feed bins is checked frequently so that any leaks or damage can be identified.	Unlikely	Odour annoyance	Not significant.
Odours arising from problems with housing ventilation system, inadequate air movement within house leading to high humidity and wet litter. Inadequate system design, causing poor dispersal of odours	Neighbouring dwelling houses within 100m of installation	Air	Measures as described in SGN EPR6.09 The ventilation system will regularly adjusted according to age and requirements of the flock. The ventilation will be designed to efficiently remove moisture from the house.	Unlikely	Odour annoyance	Not significant.
			Measures as described in SGN EPR6.09			

Litter management: odours arising from wet litter (see above) The use of insufficient or poor quality litter. Spillage of water from drinking systems. Disease outbreaks, leading to wet litter.	Neighbouring dwelling houses within 100m of installation	Air	Controls on feed and ventilation (see above) help to maintain litter quality. Additional controls include: insulated walls and ceilings to prevent condensation. Concrete floors to prevent water ingress. Stocking density at optimum level to prevent overcrowding. Use health plan, with specialist veterinary input used as necessary	Unlikely	Odour annoyance	Not significant.
Housing System/Litter	Neighbouring dwelling houses within 100m of installation	Air	Aviary system and twice weekly belt litter removal. Trailer sheeted immediately following litter belt operation.	Unlikely	Odour annoyance	Not significant.
Carcase disposal: inadequate storage of carcasses on site.	Neighbouring dwelling houses within 100m of installation	Air	Measures as described in SGN EPR6.09 Carcasses are placed in sealed containers awaiting weekly collection by a licensed collection agent.	Unlikely	Odour annoyance	Not significant.
House clean out (de littering)	Neighbouring dwelling houses within 100m of installation	Air	Litter is carefully placed into trailers close to the house entrances. Trailers are sheeted before transporting off site. De littering will be avoided at weekends during summer months. No litter is stored on site. Litter will exported off site for third party land spreading.	Likely	Odour annoyance	Not significant if carefully managed.

House clean out (Disinfection and fumigation)	Neighbouring dwelling houses within 100m of installation	Air	Carried out by specialist contractors using DEFRA approved chemicals observing correct dilution rates.	Unlikely	Odour annoyance	Not significant if carefully managed.
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