



ODOUR RISK ASSESSMENT

DEVELOPMENT: New IPPC Permit: Ellerdine Grange Farm Poultry Unit

LOCATION: Ellerdine Grange Farm, Ellerdine, Telford,
Shropshire, TF6 6QR

CLIENT: E Agri Ltd

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Reviewed: 27/01/26

Introduction

This Plan has been prepared as part of the Environmental Permit variation as there are sensitive receptors (neighbouring dwelling houses) within 400m of the installation (Ellerdine Grange Farm Poultry Unit)

Property	Distance from permitted site	Direction from Site	Eastings	Northings	Type of Property
The Grange, Ellerdine, TELFORD, Telford and WrekinTF6 6QR	130m	South-east	360717	320798	Neighbouring house
Ivy House Farm, Ellerdine, TELFORD, Telford and Wrekin, TF6 6QR	160m	South-east	360821	320818	Neighbouring house
Hall Farm Barn, Ellerdine, TELFORD, Telford and Wrekin, TF6 6QR	190m	South-east	360852	320810	Neighbouring house
White House Farm, Ellerdine, TELFORD, Telford and Wrekin, TF6 6QR	215m	South-east	360868	320779	Neighbouring farm
Hall Farm, Ellerdine, TELFORD, Telford and WrekinTF6 6QR	135m	South-east	360869	320822	Neighbouring house
Heritage Barn, Ellerdine, TELFORD, Telford and WrekinTF6 6QR	230m	South-east	360897	320835	Neighbouring house
Hall Farm Cottage, Ellerdine, Telford, TF6 6QR	290m	South-east	361001	320808	Neighbouring house
4 Grange Cottages, Ellerdine, Telford, TF6 6QR	250m	South	361001	320808	Neighbouring house
3, Ellerdine, TELFORD, Telford and WrekinTF6 6QR	250m	South	360678	320636	Neighbouring house

The following table sets out:

The likely sources of odour arising from a typical poultry unit

The procedures to be followed at Ellerdine Grange Farm Poultry Unit in order to prevent or minimise odour levels

Odour Risk Assessment

There are sensitive receptors within 400m of the site therefore an odour assessment is required.

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 400m of installation	Air	Measures as described in SGN EPR6.09 (Farming) Odour Management at Intensive Livestock Installations. No on site milling and mixing. 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 400m 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			Measures as described in SGN EPR6.09 The ventilation system will			

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 400m of installation	Air	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.
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 400m of installation	Air	Measures as described in SGN EPR6.09 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.
Carcase disposal: inadequate storage of carcasses on site.	Neighbouring dwelling houses within 400m of installation	Air	Measures as described in SGN EPR6.09 Carcasses are placed in sealed containers awaiting regular collection by a licensed renderer.	Unlikely	Odour annoyance	Not significant.
			Litter is carefully placed into trailers in covered area at			

House clean out (de littering)	Neighbouring dwelling houses within 400m of installation	Air	the back of the poultry houses. Trailers are sheeted before transporting off site. De littering will be avoided at weekends during summer months. Minimal litter is stored on site. Litter will be used in compliance with a manure management plan.	Likely	Odour annoyance	Not significant if carefully managed.
House clean out (Disinfection and fumigation)	Neighbouring dwelling houses within 400m of installation	Air	Carried out by specialist contractors using DEFRA approved chemicals observing correct dilution rates.	Unlikely	Odour annoyance	Not significant if carefully managed.
Odour caused by stagnant dirty water in the dirty water tanks	Neighbouring dwelling houses within 400m of installation	Air	Measures as described in SGN EPR6.09 (Farming) Odour Management at Intensive Livestock Installations. The dirty water system is sealed. Regular inspections and maintenance of drains and concrete areas is conducted. Regular removal of the dirty water from site.	Unlikely	Odour annoyance	Not significant if carefully managed.