



**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: March 2026***



**There are one receptors within 100 metres of the development site for the pullet rearing unit at Ellerdine Grange Farm Poultry Unit (include receptors owned by operator/operator staff)**

NAME	Property	EASTING	NORTHING	Direction from Site
Ellerdine Grange Farm, Ellerdine, TELFORD, Telford and Wrekin, TF6 6QR	360712	320822	50-100m away	South

## **DUST ASSESSMENT**

The main sources of dust from poultry buildings are the birds themselves, the food and litter. Dust levels have found to vary depending on the number of birds, their age and the activity levels within buildings. The particle size of the dust will also vary although in general, particles smaller than 2 microns (2um) will account for around 70% of the number but only 5% of the mass. Larger particles of greater than 5um will account for less than 10% in number but between 40% and 90% of the dust mass. Dust particles can be emitted into the atmosphere through the ventilation systems. As the distance from the site becomes greater, the concentration of dust will fall to a level below air quality guidelines and become indistinguishable from normal background dust levels.

In addition, there is the potential for dust from vehicles moving over dusty surfaces and the wind blowing over dusty surfaces. The pathway for the transportation of dust particles is the wind with greater emissions of dust in stronger winds but being countered by greater dilution. Potential impacts of dust will be respiratory tract/eye irritation or the perception of health effects for sensitive receptors within 400m of the site.

In conclusion, dust will tend not to travel in significant volumes further than 100m from the source due to reductions in concentration and deposition with distance. Potential receptors are outside of this zone. Impact from vehicles will not have a significant impact as the poultry vehicles will not considerably alter the baseline level of dust. The greatest dust emissions are likely to arise during the construction and decommissioning phases for a short period of time and it is considered that no significant impact in terms of dust nuisance will occur.

There is only one receptor within 100m of the poultry unit. This property is owned and occupied by the Griffiths family.

There have been no dust complaints regarding Ellerdine Grange Farm up to this point .

Hazard	Receptor	Pathway	Risk Management	Exposure	Consequence	Overall Risk
<b>To Air</b>						
Dust: Sources: Feed.	Neighbouring dwelling houses within 100m of installation Surrounding Land and Vegetation	Air	Feed delivered in sealed systems. Dust socks fitted to silo exhaust pipes. Closed system delivery of feed from silo to poultry house. Feed spills dealt with promptly. Feed milling in open environment	Dust could have the potential to reach nearby neighbours and surrounding land during certain weather conditions.	Nuisance – dust on surrounding vegetation, cars and clothing. Smothering and direct damage to nearby vegetation.	Not significant due to mitigation measures outlined in the Dust Management plan.
Bedding	Neighbouring dwelling houses within 100m of installation Surrounding Land and Vegetation	Air	Use of suitable bedding materials, not blown into poultry house.	Dust could have the potential to reach nearby neighbours and surrounding land during certain weather conditions.	Nuisance – dust on surrounding vegetation, cars and clothing. Smothering and direct damage to nearby vegetation.	Not significant due to mitigation measures outlined in the Dust Management plan.
Litter System	Neighbouring dwelling houses within 100m of installation Surrounding Land and Vegetation	Air	Manure removal via manure belt.	Dust could have the potential to reach nearby neighbours and surrounding land during certain weather conditions.	Nuisance – dust on surrounding vegetation, cars and clothing. Smothering and direct damage to nearby vegetation.	Not significant due to mitigation measures outlined in the Dust Management plan.
Ventilation	Neighbouring dwelling houses within 100m of installation Surrounding Land and Vegetation	Air	Use of gable extraction fans and scrubbers on all houses within the installation.	Dust could have the potential to reach nearby neighbours and surrounding land during certain weather conditions.	Nuisance – dust on surrounding vegetation, cars and clothing. Smothering and direct damage to nearby vegetation.	Not significant due to mitigation measures outlined in the Dust Management plan.
House Cleaning	Neighbouring dwelling houses within 100m of installation	Air	Litter removed carefully during cleanout minimising dust. Full	Dust could have the potential to reach nearby neighbours and	Nuisance – dust on surrounding vegetation, cars and clothing. Smothering	Not significant due to mitigation measures outlined in the



	Surrounding Land and Vegetation		trailers sheeted before leaving installation.	surrounding land during certain weather conditions.	and direct damage to nearby vegetation.	Dust Management plan.
<b>Bird Numbers/Type</b>	Neighbouring dwelling houses within 100m of installation Surrounding Land and Vegetation	Air	48,000 barn reared layers. Bought onto the site at 16 weeks old and remain on site until they are 14 months old.	Dust could have the potential to reach nearby neighbours and surrounding land during certain weather conditions.	Nuisance – dust on surrounding vegetation, cars and clothing. Smothering and direct damage to nearby vegetation.	Not significant due to mitigation measures outlined in the Dust Management plan.

*This has been checked against the IPPC Guidance Dust Management Plan Checklist and BAT 2017.*