



FUGITIVE EMISSIONS

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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Fugitive Emissions Ellerdine Grange Farm Poultry Unit

Hazard	Receptor	Pathway	Risk Management	Exposure	Consequence	Overall Risk
To Air						
Dust: Sources: Litter and Feed.	Neighbouring dwelling houses within 400m of installation Surrounding Land and Vegetation	Air	Use sealed feed delivery systems; Enclosed conveyors or augers; Maintain dry bedding and regular cleaning to reduce dust emissions.	Unlikely	Nuisance – dust on surrounding vegetation, cars and clothing. Smothering and direct damage to nearby vegetation.	Not significant if carefully managed.
Ammonia: Source: Poultry housing and Litter storage	Neighbouring dwelling houses within 400m of installation Surrounding Land and Vegetation	Air	Measures as described in SGN EPR6.09 How to Comply. Litter kept dry and friable. Nutritional strategies such as phase feeding and low-protein diets; Use of additives to reduce nitrogen excretion	Unlikely The impact of Ammonia Air emissions have been assessed using the H1 methodology and detailed modelling.	Arial deposition and direct toxic effect on trees. Nutrient enrichment of soils and changes to sensitive ecosystems.	Significant reduction demonstrated.
Zoonoses and Notifiable diseases	Human Health an Livestock Health	Air, Direct contact	Detailed biosecurity measures in place. Visitor's procedure. Use of appropriate PPE Tailored terminal hygiene programme Veterinarian health plan	Unlikely	Human and Livestock health implications	Not significant if carefully managed.
To Water						

Wash water run off to nearby ditch	Drainage ditches	Land	Wash water from poultry houses directed in sealed system to underground dirty water storage tank. Spillages of litter on yard areas during cleanout swept up, Lightly contaminated yard wash directed to underground dirty water tank. All clean site drainage directed to swale and kept separate from the dirty water.	Unlikely	Pollution of watercourses leading to eutrophication and poisoning of flora and fauna	Not significant if managed carefully.
Pests						
Flies	Neighbouring dwelling houses within 400m of installation	Air	Manure has been dried within the shed and is removed from site via sheeted trailers. Reducing exposure the elements and flies.	Unlikely	Flies are a vector of pollution that can harm human health and amenity causing offence.	Not significant if managed carefully.
Rodents/Vermin	Neighbouring dwelling houses within 400m of installation	Land	Feed spillages cleared up promptly. Specialist contractor used to control pests.	Unlikely	Rodents are a vector of pollution that can harm human health and amenity causing offence.	Not significant if managed carefully.