

Bio Aerosol Emissions at Thorngrove Farm poultry unit

Hazard	Receptor	Pathway	Risk Management	Exposure	Consequence	Overall Risk
To Air						
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.	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 if carefully managed.
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 if carefully managed.
Litter System	Neighbouring dwelling houses within 100m of installation Surrounding Land and Vegetation	Air	Computer controlled environment keeping humidity between 55 and 60% minimising dust	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 if carefully managed.
Ventilation	Neighbouring dwelling houses within 100m of installation Surrounding Land and Vegetation	Air	Use of high velocity roof extraction fans	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 if carefully managed.
House Cleaning	Neighbouring dwelling houses within 100m of	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	Not significant if carefully managed.

	installation Surrounding Land and Vegetation		trailers sheeted before leaving installation.	surrounding land during certain weather conditions.	clothing. Smothering and direct damage to nearby vegetation.	
Bird Numbers/Type	Neighbouring dwelling houses within 100m of installation Surrounding Land and Vegetation	Air	319,990 Broilers.	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
Broiler Production	Neighbouring dwelling houses within 100m of installation Surrounding Land and Vegetation	Air	High velocity roof extraction fans aiding dispersal.	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