Bio Aerosol Emissions at True Hill Farm

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. Use of pelleted feed with oil coating to prevent pellet degradation. Pan feeding system within poultry houses on timed feed pattern to appetite preventing wastage. Dust socks fitted to silo exhaust pipes. Closed system delivery of feed from silo to poultry house. Silos and delivery pipes checked daily for integrity. 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	Bedding layer will be either green sawdust which has high moisture content minimising dust or dust extracted shavings, not blown into poultry house. Shavings spread inside house with only minimum ventilation in operation to minimise dust release. Top up bales	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.

			spread during cycle with light intensity reduced to prevent birds panicking minimising dust.			
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 air scrubbing on all houses	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.
Bird Catching	Neighbouring dwelling houses within 100m of installation Surrounding Land and Vegetation	Air	Bird catching under very low light levels to prevent bird stress and 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.
House Cleaning	Neighbouring dwelling houses within 100m of installation Surrounding Land and Vegetation	Air	Litter removed carefully during cleanout minimising dust. Full trailers sheeted before leaving installation. Houses and exhaust vents pre-soaked with low pressure hose to minimise dust release. Exhaust vents then high pressure hosed	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.

			minimising any lightly contaminated water release onto roofs.			
Bird Numbers/Type	Neighbouring dwelling houses within 100m of installation Surrounding Land and Vegetation	Air	Eight poultry houses with 360000 birds. Stock inspections carried out by trained staff with reduced light intensity to prevent birds panicking and minimising disturbance and dust levels.	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	Location of installation to nearest receptors. Prevailing wind away from nearest receptor.	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