

Dust Management Plan

Ivy Farm Poultry Unit

Ivy Farm Poultry operations have sensitive receptors within 100m of the site boundary.
The table below lists receptors within 100m of the boundary

Receptor Name	Description	Distance	Orientation	National Grid Reference
Commercial	Commercial	19m	West	357755, 166217
Commercial	Commercial	24m	West	357728, 166181
Commercial	Commercial	81m	West	357668, 166191
Commercial	Commercial	83m	West	357668, 166220
Residential	Residential	47m	West	357706, 166219
Residential	Residential	100m	West	357647, 166191

The main possible dust sources/operations are listed below:

1. Feed Deliveries

2. Feeding Systems
3. Bedding
4. Litter management
5. Stock inspections
6. Ventilation
7. Clean out Operations
8. Bird numbers

A table listing these sources with measures to control/reduce dust emissions is listed below.

Source	Method	Reduction Technique	Implementation
Feed	Feed delivery to Silos	Vents from silos covered to prevent release to atmosphere	In place
	Feed milling	No milling undertaken	N/A
	Feed Ingredients	Oil coating on pellet Some use of maize within diets	Limited as not in operator control In place

	Feed delivery system Feed spillages	Sealed pipe delivery into poultry houses, free fall of feed into hoppers minimised by covers on hoppers, pan feeding system on timed feeding preventing over feeding Any feed spills cleared up immediately.	Continuous to prevent dust or potential contamination of water course
Bedding	Bedding Type	Use of dust extracted shavings	In place
	Bedding depth Bedding application	Sufficient layer to absorb moisture produced during crop cycle Base layer spread inside houses with minimum ventilation running, top up bedding in sealed plastic bales	In place In place
Litter Management	Excessive dry litter	Computer controlled environment	Relative humidity controlled between 55 and 65% keeping balance between dust and odour production

Stock inspections	Increased bird activity	Stock inspections by trained personnel	Light levels reduced to prevent birds panicking and reduced stress
Ventilation	Ventilation Type	Use roof extraction fans on houses 1 - 5	In place on all houses increasing dispersion/concentration
House Cleaning	Dust production during de littering/cleaning operations	No double handling of litter, trailers parked close to doors, litter tipped carefully into trailers, trailers sheeted prior to leaving site. Exhaust vents washed under low pressure during cleaning process to minimise both release of dust to atmosphere and escape of contaminated water	In place/continuous In place/continuous
Bird numbers	Stocking Density	Stocking rate determined by integrator	N/A

Plan completed August 2023

Plan to be reviewed every four years or following a substantiated complaint, with Area officer being notified of any changes for approval.

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