

Dust Management Plan
Newland Farm Poultry Unit

Newland Farm operations have sensitive receptors within 100m of the site boundary. The site has no history of substantiated Dust complaints.

The table below lists receptors within 100m of the boundary

Receptor Name	Description	Distance	Orientation	National Grid Reference
Residential	Residential	10m	North	480237,429101
Residential	Residential	80m	North	480224,429184

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	Sealed pipe delivery into poultry houses, free fall of feed into hoppers minimised by	Continuous to prevent dust or potential

	Feed spillages	covers on hoppers, pan feeding system on timed feeding preventing over feeding Any feed spills cleared up immediately.	contamination of water course
Bedding	Bedding Type	Use of dust extracted shavings	In place
	Bedding depth	Sufficient layer to absorb moisture produced during crop cycle	In place
	Bedding application	Base layer spread inside houses with minimum ventilation running, top up bedding in sealed plastic bales	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 - 8	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 2020

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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