

Dust Management Plan

Marsh House Farm Poultry unit

Marsh House Farm Poultry unit operations have sensitive receptors within 400m of the site boundary. The nearest, being operator owned being some 90m in a north-easterly direction.

Operator residence 90m North East, NGR 342961,237956

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 Feed Type	No milling undertaken Use of pelleted feed	N/A Continuous Continuous
	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	Continuous to prevent dust or potential contamination of water course

	Feed spillages	minimised, pan feeding system on timed feeding preventing over feeding Any feed spills cleared up immediately.	
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 of roof extraction fans on houses 5 – 6.	In place on houses 5&6 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. Care taken during cleaning process to minimise both release of dust to atmosphere and escape of contaminated water Exhaust vents washed under low pressure	In place/continuous In place/continuous

		minimising dust release to atmosphere and lightly contaminated water to drainage system	
Bird numbers	Stocking Density	Stocking rate determined by integrator	N/A

Plan completed April 2023

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

Version 1 April 2023