

## **Dust Management Plan**

### **Clarkes Common Farm**

Clarkes Common Farm operations have sensitive receptors within 400m of the site boundary. The site has no history of substantiated Dust complaints.

The Table below gives location and direction of all sensitive receptors within 400m from site boundary.

Receptor Name	Description	Distance	Orientation	National Grid Reference
Residential	Residential	340m	West	481280,443496
Residential	Residential	394m	West	481242,443446
Residential	Residential	189m	North west	481415,443725
Residential	Residential	30m	North	481748,443838
ON SITE	Operators House		On Site	481941,443628
Residential	Residential	63m	North East	482158,443984
Commercial	Commercial	307m	West	48144,443226

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.

<b>Source</b>	<b>Method</b>	<b>Reduction Technique</b>	<b>Implementation</b>
Feed	Feed delivery to Silos	Vents from silos covered to prevent release to atmosphere	In place
	Feed milling	No milling undertaken	N/A

	<p>Feed Ingredients</p> <p>Feed delivery system</p> <p>Feed spillages</p>	<p>Oil coating on pellet</p> <p>Some use of maize within diets</p> <p>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</p> <p>Any feed spills cleared up immediately.</p>	<p>Limited as not in operator control</p> <p>In place</p> <p>Continuous to prevent dust or potential contamination of water course</p>
Bedding	Bedding Type	Use of dust extracted shavings	In place
	<p>Bedding depth</p> <p>Bedding application</p>	<p>Sufficient layer to absorb moisture produced during crop cycle</p> <p>Base layer spread inside houses with minimum ventilation running, top up bedding in sealed plastic bales</p>	<p>In place</p> <p>In place</p>
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 - 3	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 June 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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