

Dust/Bioaerosol Management Plan

Setchey Farm

Setchey Farm operations have sensitive receptors within 100m of the site boundary.

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 Type	Use of pelleted feed	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, feed piped down into hoppers minimising dust,	Continuous to prevent dust or potential contamination of water course

	<p>Feed spillages</p> <p>Bins and delivery pipe work</p>	<p>pan feeding system on timed feeding preventing over feeding</p> <p>Any feed spills cleared up immediately.</p> <p>Daily visual checks on integrity of bins and pipework, not to be used if a defect is found.</p>	
Bedding	Bedding Type	Use of dust extracted shavings	In place
	<p>Bedding depth</p> <p>Bedding application</p>	<p>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 spread during cycle with light intensity reduced to prevent birds panicking minimising dust.</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 - 12	In place on all houses increasing dispersion/concentration

