

## Dust & Bio-Aerosols Management Plan

Broachdale Birds Ltd

Broachdale Farm

6<sup>th</sup> August 2024

The purpose of this Dust Management Plan is to:

- Establish the likely source of dust and bio-aerosols arising from the farm
- Set out procedures to minimise the risk of dust
- Formalise a method of dealing with any dust complaints quickly

### Potential dust sources

- Dust emissions from feed delivery and storage
- Dust emissions from fans
- Dust emissions from clean out
- Dust emissions from the numbers and growth cycle
- Dust emissions from bedding
- Dust from feeding stock

List of receptors within 100m of the installation boundary.

<u>Receptor</u>	<u>Receptor Name</u>	<u>Distance from the boundary</u>	<u>Direction from installation</u>	<u>National grid reference</u>
1	Broachdale Farm House	53m	W	TA04482 67567

Possible Dust Source	Potential Risks	Actions taken to Prevent and Minimise Risk	Further action required and comments
<ul style="list-style-type: none"> <li>• Feed delivery and storage</li> </ul>	<ul style="list-style-type: none"> <li>• Spillages of feed during delivery and storage</li> <li>• Creation of dust during delivery</li> </ul>	<ul style="list-style-type: none"> <li>• Feed delivery systems are sealed to minimise dust</li> <li>• Maize is used within the diets</li> <li>• Dust exhausts to trap feed spillages and dust on feed silos</li> <li>• Any spillages are cleaned up immediately</li> <li>• Any repairs are done immediately</li> </ul>	<ul style="list-style-type: none"> <li>• Staff are trained</li> </ul>
<ul style="list-style-type: none"> <li>• Bedding</li> </ul>	<ul style="list-style-type: none"> <li>• Bedding Type</li> <li>• Bedding Application</li> </ul>	<ul style="list-style-type: none"> <li>• Use dust extracted natural flake</li> <li>• Shavings spread inside the houses with only minimum ventilation in operation to minimise dust release</li> <li>• Top up bales are spread during the cycle with light intensity reduced to prevent birds panicking, minimising dust</li> </ul>	<ul style="list-style-type: none"> <li>• Staff are trained</li> </ul>
<ul style="list-style-type: none"> <li>• Stock inspections</li> </ul>	<ul style="list-style-type: none"> <li>• Increased bird activity</li> </ul>	<ul style="list-style-type: none"> <li>• Stock inspections by trained personnel</li> <li>• Stocking density as Welfare Regulations dictate</li> </ul>	<ul style="list-style-type: none"> <li>• Light levels reduced to prevent birds panicking and reduce stress</li> </ul>

<ul style="list-style-type: none"> <li>Litter management</li> </ul>	<ul style="list-style-type: none"> <li>Excessive dry litter</li> </ul>	<ul style="list-style-type: none"> <li>Computer controlled environment</li> </ul>	<ul style="list-style-type: none"> <li>Computer program</li> <li>Staff are trained</li> </ul>
<ul style="list-style-type: none"> <li>Emissions from fans</li> </ul>	<ul style="list-style-type: none"> <li>Static air within the shed can lead to high dust levels</li> </ul>	<ul style="list-style-type: none"> <li>Fans are regularly adjusted to suit growth stage and temperature</li> <li>All fans are designed and installed to meet BAT</li> </ul>	<ul style="list-style-type: none"> <li>Staff are trained</li> </ul>
<ul style="list-style-type: none"> <li>Emissions from clean out</li> </ul>	<ul style="list-style-type: none"> <li>Cleaning out the sheds could create dust</li> </ul>	<ul style="list-style-type: none"> <li>Sheds are cleaned out as quickly and efficiently as possible and are washed so minimise dust</li> <li>Litter removed carefully during cleanout, full trailer are sheeted before leaving the installation</li> <li>Houses and vents are pre soaked with low pressure hoses to minimise dust</li> <li>Any dust build ups are removed immediately</li> </ul>	<ul style="list-style-type: none"> <li>Staff are trained</li> </ul>
<ul style="list-style-type: none"> <li>Dust emissions from the numbers and the growth cycle</li> </ul>	<ul style="list-style-type: none"> <li>Excessive stocking levels can result in higher feed usage and increased potential for dust</li> </ul>	<ul style="list-style-type: none"> <li>Keep to correct stocking densities as Welfare Regulations dictate</li> </ul>	
<ul style="list-style-type: none"> <li>Dust emissions from feeding</li> </ul>	<ul style="list-style-type: none"> <li>Automatic feeders could be damaged</li> </ul>	<ul style="list-style-type: none"> <li>Automatic feed systems controlled on timer within the computer system</li> <li>Automatic feed systems kept in good working order any faults repaired immediately</li> </ul>	<ul style="list-style-type: none"> <li>Staff are trained</li> </ul>

#### On Farm Monitoring

- Farm managers monitor any unexpected dust or build up of dust deposits
- Building structures are checked after each batch
- Areas around feed silos are inspected after each delivery
- Complaints and actions are logged (see complaints procedure)
- Staff to receive training in regards to the Environmental Permitting Regulations.

#### Complaints Procedure

Any complaints will be investigated and recorded. Complaints received from the public will be passed on to the Environmental Agency. Please see complaints form.

Any investigations will consider

- The activities taking place at the time of the complaint.
- The timing of the complaint.
- The weather conditions at the time of the complaint.
- Any non-routine operations on site.
- Any changes that may have been made to Standard Operating Procedures.
- The receptor and the impact that may have been caused.

Following all investigations into complaints, if the issue is caused by an operation at the site, a discussion will be had with the EA and any agreed mitigation measures will be implemented to help minimise the impact.