

Odour Management Plan

Broachdale Birds Ltd

Broachdale Farm

Date: 6th August 2024

List of receptors within 400m of the installation boundary.

Receptor	Receptor Name	Distance from the boundary	Direction from installation	National grid reference
1	Little Broachdale Farm	144m	E	TA04900 67413
2	Raven Hill Farm (buildings only)	320m	S	TA03796 66845

Potential Odour Sources

- Feed
- Feed Delivery and Storage
- Ventilation
- Litter Conditions and Management
- Carcass Storage and Disposal
- De-stocking and Clean Out
- Dirty Water Management

Pathway and Receptors

The pathway for all the above sources is via the atmosphere, the most sensitive receptors are residential dwellings. The wind direction will significantly influence how receptors are affected.

Odour Related Issues	Potential Risk and Problems	Actions taken to prevent and minimise risk
Feed	<p>Milling of feed</p> <p>Feeds which are unbalanced in nutrients, leading to increased excretion, litter moisture and higher emissions of ammonia and other odorous compounds.</p>	<p>Milling is not done on site</p> <p>Feed specifications are prepared by a nutritionist. They ensure protein and phosphorous content is reduced throughout the flock cycle.</p> <p>Feed samples are kept for 4 months.</p>
Feed Delivery and Storage	Dust from Deliveries	<p>Feed systems sealed.</p> <p>Deliveries made with sheeted wagons.</p> <p>Monthly condition checks are carried out and recorded.</p>
Ventilation	<p>Inadequate air movement within the buildings can lead to high humidity and subsequently high moisture levels in the litter.</p> <p>Inadequate control of inlet and fan controls lead to poor dispersal of potential odours.</p>	<p>Ventilation is regularly adjusted.</p> <p>Ventilation systems are designed to control humidity if required.</p> <p>Maintenance schedules are in place.</p> <p>Electricians on call 24 hours a day</p>
Litter conditions and management	Building design and quality	All walls and ceiling have been insulated to prevent condensation.
Carcass storage and disposal	<p>Inadequate storage of carcasses on site.</p> <p>Carcasses stored on site for prolonged period of time</p>	<p>Carcasses stored in lockable sealed container.</p> <p>Carcasses are removed at least weekly or at higher frequency if required.</p>
De-stocking and clean out	<p>Higher levels of odour release through increased ventilation.</p> <p>Turning over of damp litter</p> <p>Creation of dust during clean down</p> <p>Heaping up and removal of large quantities of odorous materials</p> <p>Use of odorous products to disinfect buildings following wash down</p>	<p>Ventilation controls to be used to control the release of odours while maintaining optimum temperature</p> <p>Machinery movements to be kept to a minimum to help avoid churning up litter.</p> <p>Litter is to be removed as soon as reasonably practical following bird removal</p> <p>Use DEFRA approved disinfectant used by</p>

Dirty water management	Pooled dirty water throughout the production cycle or clean out. Removal of dirty water from stores	trained staff Areas around the houses to be kept clean. Dirty water removed using tankers with all removals being documented. Storage tanks checked before and after wash down.
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Abnormal Conditions and Control Measures

Odour Related Issue	Potential Risk and Problems	Actions taken to prevent and minimise risk
Feed delivery and storage	Spillages of feed	Spillages cleaned up immediately
Litter conditions and management	Odours arising from wet litter and poor management Disease outbreaks leading to poorly conditioned birds. Excessive excretion leading to higher moisture in the litter.	Controls on feed and ventilation Use of veterinary health plan, with veterinary input as necessary
Drinking water systems	Spillages of water	Nipple drinkers and drips trays are used. Daily checks are carried out.
Power Outage	Loss of electrical supply resulting in failure of ventilation system.	Electricians on 24 hour standby

On Farm Monitoring and Continual Improvement

- Internal relevant humidity, temperature and litter quality is to be monitored and recorded.
- Complaints and actions to be recorded on site
- Staff to receive training regarding Environmental Permitting Regulations, which include odour management and company procedures.
- Sniff testing to be carried out weekly on the installation boundary, these will be recorded.

Odour Complaints Procedures

Any odour complaints received in direct relation to the installation will be recorded. Odour complaints will be fully investigated and records available at future inspections. Complaints received directly from the public will be notified to the Environment Agency (EA).

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.

Review

This Odour Management Plan will be subject to review following any EA substantiated complaint or every four years, whichever is sooner.