

Dust Management Plan

Meadowland Poultry Unit

Meadowland Poultry operations have sensitive receptors within 100m of the site boundary.
The table below lists receptors within 100m of the boundary

| Receptor Name | Description | Distance | Orientation | National Grid Reference |
|-----------------|-----------------|----------|-------------|-------------------------|
| Meadowland Farm | Staff Residence | 10m | West | 349047,326093 |

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 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 minimised by covers on hoppers, pan feeding system on timed feeding preventing over feeding | Continuous to prevent dust or potential contamination of water course |

| | | | |
|-------------------|--|--|---|
| | Feed spillages | Any feed spills cleared up immediately. | |
| Bedding | Bedding Type | Use of dust extracted shavings | In place |
| | Bedding depth Bedding application | Sufficient layer to absorb moisture produced during crop cycle Base layer spread inside houses with minimum ventilation running, top up bedding in sealed plastic bales | In place 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 roof extraction fans on houses 1 - 9 Air scrubbing on houses 7-9 | In place on all houses increasing dispersion/concentration 90% reduction of dust |
| House Cleaning | Dust production during de | No double handling of litter, trailers parked close to | In place/continuous |

| | | | |
|--------------|-------------------------------|---|---------------------|
| | littering/cleaning operations | 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 |
| Bird numbers | Stocking Density | Stocking rate determined by integrator | N/A |

Plan completed August 2022

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

Version 1 August 2022