**Dust Management Plan**

**Quarry Hill Farm Poultry Unit**

Quarry Hill 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 |
| Quarry Hill Farm | Operator Residence | 10m | North | 368464,238837 |

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  Feed milling  Feed Ingredients  Feed delivery system  Feed spillages | Vents from silos covered to prevent release to atmosphere  No milling undertaken  Oil coating on pellet  Some use of maize within diets  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  Any feed spills cleared up immediately. | In place  N/A  Limited as not in operator control  In place  Continuous to prevent dust or potential contamination of water course |
| 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 -7 | 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 August 2022**

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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