

# Odour Management Plan

D Williams

Merrystream Farm

Merrystream poultry operations has sensitive receptors within 400m of the installation. The closest being some 45m away in a north westerly direction. The installation has no history of substantiated odour complaints relating to the operations at the installation within the last three years.

A walk around assessment was conducted to identify sources and intensity of odour emissions at varying distances from the installation.

Consideration was given to prevailing weather conditions and operations at varying times during the production cycle.

1. Prevailing weather/wind direction from a west south west direction.
2. Odour production peak during catching and litter removal.

The following list identifies possible odour sources or operations:

1. Broiler House Ventilation Fan Outlets
2. Carcase Storage
3. Carcase Disposal
4. Litter Removal
5. Washing Operations
6. Litter Storage
7. Litter/slurry Spreading

Having identified the possible sources, the measures in place to minimise odour emissions have been given in the attached table.

In the event of a complaint, this would be recorded on the attached complaints log and a review conducted of the odour plan with any amendments added and the Environment Agency notified of the changes.

*Review to Natural Resources Wales 06.07.17*

## Odour Management Plan

| Potential Source           | Minimisation Technique                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Review Date |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Broiler Production Housing | <p>Litter to kept as dry and friable as possible</p> <p>Ventilation appropriate for bird welfare and to prevent a build up of humidity</p> <p>Staged protein reduction in diets for age</p> <p>Leak proof drinking system to prevent wet litter</p> <p>Drinking systems inspected twice daily as a minimum</p> <p>Additional bedding material applied during cycle to maintain dry litter</p> <p>Early disease detection as sick birds can cause poor/wet litter</p> <p>Water consumption monitored daily</p> <p>Humidity monitored daily</p> <p>Correct temperature maintained for bird age</p> <p>Adequate building insulation</p> <p>Integrity of buildings sound as to prevent the ingress of water</p> <p>Routine end of cycle maintenance</p> <p>Tree/ shrub planting as a screen</p> <p>Maintain site cleanliness</p> <p>Any spills dealt with promptly and correctly (see emergency plan)</p> <p>Site clean and foul water drainage systems kept clean</p> |             |
| Carcases                   | <p>Mortalities collected daily</p> <p>Stored in sealed vermin proof containers</p> <p>Regular collection (frequency increased during summer months) by licensed agent under the national fallen stock scheme</p> <p>Regular incineration in a DEFRA approved incinerator</p> <p>No incineration at weekends or bank holidays</p> <p>Avoid incineration if wind blowing towards sensitive receptors</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |
| Litter Removal             | <p>Trailers parked as close as possible to doors to reduce dust being blown away</p> <p>Trailers not overfilled</p> <p>Trailers sheeted</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |
| Washing Operations         | <p>Containment of all wash water</p> <p>Terminal hygiene plan followed</p> <p>Dilution rates adhered to</p> <p>Chemical product selection (if odorous use alternative approved product)</p> <p>Avoid weekends/bank holidays</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |

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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Litter Storage          | Temporary field heaps should be sited away from sensitive receptors                                                                                                                                                               |  |
| Litter/slurry Spreading | No spreading at weekends or bank holidays<br>No spreading in still, high humidity conditions<br>No spreading close to neighbours<br>Strict compliance with manure spreading plan<br>Incorporate as soon as possible (litter only) |  |

Reviewed.

04/07/2011 DSHW

09/07/2012 DSHW

03/06/2013 DSHW

02/06/2014 DSHW

02/06/2015 DSHW

06/06/2016 DSHW

03/06/2017 DSHW

04/06/2018 DSHW

03/06/2019 DSHW

03/06/2020 DSHW