

# Genauhafod Free Range Poultry Enterprise – IPPC Permit Site

## Best Available Techniques

| Relevant BAT | Compliant | Technique employed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BAT 1        | Yes       | EMS in place and regularly reviewed                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BAT 2        | Yes       | 2a) Odour Management Plan in place. 2b) Training in place. 2c) Emergency plan in place and regularly reviewed. 2d) Routine maintenance and inspections carried out and logged. 2e) Sealed carcass storage In addition - Separate Clean and dirty water channels to prevent contamination of water, Manure Management Plan and Drainage Plan                                                                                                                                                               |
| BAT 3        | Yes       | 2b) Multiphase feeding with a diet formulation adapted to the specific requirements of the production period.                                                                                                                                                                                                                                                                                                                                                                                             |
| BAT 4        | Yes       | 2a) Multiphase feeding with a diet formulation adapted to the specific requirements of the production period.                                                                                                                                                                                                                                                                                                                                                                                             |
| BAT 5        | Yes       | a) Record of Water Use kept on farm b) Routine maintenance and inspections of water systems undertaken c) High pressure cleaners used at the end of each production cycle d) nipple drinkers used to supply water so birds always have a clean and fresh water supply with no leakage.                                                                                                                                                                                                                    |
| BAT 6        | Yes       | a) Yard areas are minimal and have no access to livestock b) water use is minimised as a result of use of nipple drinkers.                                                                                                                                                                                                                                                                                                                                                                                |
| BAT 7        | Yes       | a) Waste water is contained in a sealed dirty water storage tank. c                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BAT 8        | Yes       | b) Optimisation of heating/cooling and ventilation systems and management d) use of energy efficient lighting.                                                                                                                                                                                                                                                                                                                                                                                            |
| BAT 9        | n/a       | No noise nuisance is expected at sensitive receptors. Noise Management Plan in place.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BAT 10       | Yes       | a) There is adequate distance between the farm and sensitive receptors and the closest property is owned and occupied by the Operator and family b) Sensible location of feed bins to minimise the movement of vehicles on the farm c) all doors to the poultry unit where equipment is are closed, Staff training to ensure all staff have full knowledge of equipment, Noise Management Plan restricting noisy activities in night and on weekends. E) noisy equipment is contained within poultry unit |
| BAT 11       | Yes       | 1.3 Apply ad libitum feeding, 1.4 use of pelleted feed for birds                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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| BAT 12 | n/a     | No odour nuisance is expected at sensitive receptors. Odour Management plan in place.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BAT 13 | Yes     | a) Business has ensured adequate distance between the farm and the sensitive receptors b) The housing system keeps the animals and surfaces dry and clean with no feed or water spillages, manure is removed on a regular basis to an external manure store, the litter in the unit is kept dry and friable c) the unit uses specially designed ventilation and outlet stacks to optimise the discharge conditions of exhaust air e1) The manure is covered during storage g2) the manure will be incorporated as soon as possible and solid manure is stored in a building. |
| BAT 14 | Yes     | b) Manure is stored in covered building.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BAT 15 | Yes     | a) Manure is stored in a covered building after it is dried on manure belts within the aviary poultry unit c) the store has an impermeable floor and a drainage system with any run off collected.                                                                                                                                                                                                                                                                                                                                                                           |
| BAT 19 | Yes     | Manure is stored in a sealed building and then applied to the land in line with a Manure Management Plan and c) use of an external tunnel for manure drying on the belts within the aviary poultry units.                                                                                                                                                                                                                                                                                                                                                                    |
| BAT 23 | Yes     | Ammonia Modelling report confirming the ammonia emissions are at an acceptable level to Natural Resources Wales.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BAT 24 | Yes     | B) estimation by using manure analysis for total nitrogen and phosphorus content.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BAT 25 | Yes     | C) Estimation by using emission factors.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BAT 26 | n/a     | No odour nuisance is expected at sensitive receptors. Odour Management plan in place                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BAT 27 | No -n/a | Due to cost of measurement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BAT 29 | Yes     | a) Water consumption recorded daily and invoices retained b) electric use is recorded each day and invoices retained c) Fuel used for generator is recorded d) Animal numbers recorded on a daily basis e) feed consumption is logged on a daily basis f) manure generation and any sales off farm is recorded                                                                                                                                                                                                                                                               |
| BAT 31 | Yes     | a) Manure removal by belts with air drying of the manure on the belts in modern aviary poultry units.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |