



TECHNICAL STANDARDS

DEVELOPMENT: IPPC PERMIT VARIATION APPLICATION

LOCATION: Lower Trederwen Farm
Arddleen
Llanymynech
Powys
SY22 6RZ

CLIENT: Mrs J Mountford

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V2
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OPERATIONS

The operation of the farm will be in accordance with SGN EPR6.09 'How to comply with your environmental permit for intensive farming'.

FEED

Selection and use of feed is in accordance with SGN EPR6.09 'How to comply with your environmental permit for intensive farming'.

HOUSING

Housing design and management is in accordance with SGN EPR6.09 'How to comply with your environmental permit for intensive farming'.

The housing is well insulated and the sheds have a damp proof course.

The sheds are fully insulated with a U-value of approximately 0.4 W/m²/°C to reduce condensation and heat loss.

The sheds are fan ventilated with an aviary housing system. Litter removed at the end of each production cycle and removed off site. House is equipped with non-leaking drinking systems. In each of the poultry houses ventilation is provided by side inlets and high velocity ridge extract fans. Ammonia air scrubbing units will be used to mitigate ammonia emissions.

Steps as described in SGN EPR6.09 'How to comply with your environmental permit for intensive farming' will be taken to rectify any changes to the quality of the litter.

Temperature in the sheds meets the health and welfare needs for the age and the number of birds.

The fans are fitted with back draft shutters to prevent drafts and unnecessary heat loss.

The shed is accessed via the control room, which prevents drafts.

A computer automatically controls ventilation so that temperature is maintained for the age of the birds.

The ventilation management system controls the ventilation rates depending on the health and welfare needs of the birds and the outside weather conditions.

GENERAL MANAGEMENT

In accordance with the management system at the farm, the buildings are regularly inspected and maintained. The floors and walls of the sheds are kept clean.

The site is regularly inspected and well maintained.

LIVESTOCK NUMBERS AND MOVEMENTS

A system is in place to record the number of animal places at Lower Trederwen Farm and animal movements.

The records will be available for inspection.

SLURRY SPREADING AND MANURE MANAGEMENT PLANNING – OFF SITE ACTIVITY

Litter is not to be stored at the installation.

Litter will be spread on operator controlled land in compliance with a manure management plan.

Any surplus litter will also be sold to third parties if need be.

Any litter that is exported from the installation has records kept of the quantities, destination and the date of transfer to separate farming businesses or to the Anaerobic Digestion Plant proposed to work with.

Contingency arrangements are in place with surrounding farms to accept the manure in the case of an emergency.

In these circumstances where the litter is exported for spreading to land, records are kept of the names, addresses of the receiving farms.

The receiver of the manure confirms by signing a docket that litter is spread to the land in accordance with the Code of Good Agricultural Practice, or in accordance with the manure management plan for the receiving land.

IMPROVEMENT PROGRAM

New houses constructed to BAT.

EMISSIONS AND MONITORING

Table of emission points;

EMISSION DESCRIPTION/ SOURCE AND LOCATION	POINT	SOURCE
AIR		
High velocity roof fan outlets		Houses 1 and 2
Air scrubbing units chimneys		Houses 1 and 2
Gable end fan outlets		Houses 1 and 2
Exhaust on generator as shown on site		Generator

layout plan	
Vent from fuel tank	Diesel Tank
Exhaust chimney from one Biomass Boiler	287 kWh Wood chip boiler
Exhaust chimney from one Biomass Boiler	287 kWh Wood chip boiler
LAND	
Outlet from clean water drains discharge to balancing pond	Clean uncontaminated rainwater draining from roofs of poultry houses and yard water

FUGITIVE EMISSIONS

Appropriate measures for preventing and minimising fugitive emissions are in place in accordance with the SGN EPR6.09 'How to comply with your environmental permit for intensive farming'.

Areas around buildings will be kept free from build-up of manure, slurry and spilt feed.

Footbaths will be managed so that they do not overflow.

Drainage from animal housing and water from cleaning out will be collected in underground storage tanks as shown on the site plan and drainage plan for Lower Trederwen Farm. Diverter bungs will be used during wash down periods to prevent the contamination of surface water systems and to divert the wash water to the dirty water tanks. Clean drainage systems will not be contaminated.

Drainage from yards contaminated by litter or wash water will be collected in dirty water tanks.

The wash water tanks will be built to confirm to specifications in SGN EPR6.09 'How to comply with your environmental permit for intensive farming'.

Spent disinfectants will be added to the dirty water collection tanks.

DUST

Feed is stored in purpose built covered feed silos located next to the poultry units.

No milling or mixing of feed takes place at the farm. All feed is delivered to the farm by lorry from feed suppliers. Feed is blown directly from the lorry into the storage silos.

Feed is piped from the silos to the sheds minimising dust emissions.

Ventilation systems are operated to achieve optimum humidity levels for the stage of production in all weather and seasonal conditions.

Control of minimum ventilation rates is planned to avoid the build-up of moisture in the houses. Ventilation is appropriate to the age and weight of the animal.

The sheds are managed to maintain the poultry litter in as dry and friable condition as possible. Dust is controlled through the management of litter and air quality.

The houses will have roof ventilation outlets. Rainwater run-off will be collected by the guttering system and routed to French drains to soak away.

Litter is not stored at the site.

CARCASS MANAGEMENT

Fallen stock is disposed of in accordance with the current Animal By-Products Regulations. Carcasses will be stored in sealed vermin proof containers awaiting regular collection by a licenced renderer. Records of dates, quantities and destination will be held on site.

FLIES/PEST CONTROL

A pest control contract will be in place using a specialist contractor. Appropriate actions will be put into place to prevent and control flies should a nuisance arise.

BUNDING AND CONTAINMENT

Agriculture Fuel Oil and other Chemical Storage

The fuel oil storage tank for the generator is bunded. The bund meets the requirements of the Water Resources (Control of Pollution) (Silage, Slurry and Agricultural Fuel Oil) Regulations 2010 (SSAFO Regulations) and meets the requirements outlined in SGN EPR6.09 'How to comply with your environmental permit for intensive farming'. The tank will be regularly inspected.

FOODSTUFF

Feed is kept in silos adjacent to the poultry units. No liquid feed is stored at the site. The silos are sited away from the site traffic and protected from collision damage by guard rails.

ODOUR

There are neighbours (sensitive receptors) within 400 metres of the farm. In accordance with SGN EPR6.09 'How to comply with your environmental permit for intensive farming' see Noise Management Plan.