



TECHNICAL STANDARDS

DEVELOPMENT: **EPR/VP3237WY/V005**

LOCATION: **Bryn y Groes
Llanblodwel
Oswestry
SY108NB**

SJ2445023200

CLIENT: **DV GE & JD Wigley**

Roger Parry & Partners LLP
Mercian House, 9 Darwin Court, Oxon Business Park, Shrewsbury, SY3 5AL
Tel: 01691655334
Email: richard@rogerparry.net

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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 buildings are insulated with fibre glass insulation to the walls and roofs to a U value of $<0.4 \text{ W/m}^2 \text{ }^{\circ}\text{C}$. This will eliminate condensation on the inner lining of the buildings and minimise any solar heat gain.

The sheds are fan ventilated and are managed via a computer controlled mechanical system. The ventilation system consists of roof mounted variable speed fans and air drawn in at the sides of the building. The fans operate at a variable rate dependent upon the age of the birds. There are also emergency fans built into an end wall of each building. Most of the year the roof fans will provide adequate ventilation, and the gable fans will only be needed in very hot weather.

Litter is removed from the buildings at the end of the crop cycle (every 37 days). The unit is fully cleaned out at the end of the production cycle, this should take 10 days.

House is equipped with non-leaking drinking systems.

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.

The sheds are heated via ground source heat pumps. The ventilation management system controls the ventilation rates depending on the health and welfare needs of the birds and the outside weather conditions.

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.

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 Bryn y Groes 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 sold to third parties such as local farmers and AD plants.

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. 'Duty of Care' notes (which contain this information) will be kept for up to 2 years and will be available to the EA upon request.

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

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 POINT DESCRIPTION/ SOURCE AND LOCATION	SOURCE
AIR	
Roof fans outlets on broiler houses as shown on site layout plan	Broiler houses 1, 2 & 3
Vent from fuel oil tank for generator as shown on site layout plan	Generator Fuel Tank
Exhaust on generator as shown on site layout plan	Generator
Summer Cooling Fans	Broiler houses 1, 2 & 3
LAND	

Clean Water draining clean water off site into stream using French drains	Roof water broiler houses 1, 2 & 3
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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.

Footpaths 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 Bryn y Groes. 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. Any contaminated water within the dirty water tanks will be collected by a contractor and removed from site.

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.

A diverter valve has been installed between the clean and dirty water tanks to ensure that in the event of a fire this can be utilised to ensure no firewater drains into the clean water tank, through the soak away and into the environment.

There will be an emergency generator on site with a thermal input capacity of 316kW, along side a >500L capacity Red Diesel fuel tank. Testing must not exceed 50 hours per annum (once per week) and will not be operated for more than 500 hours per year (averaged over 3 years) for combined testing and emergency use only when there is a mains power failure.

DUST

Feed is stored in purpose built covered feed silos located next to the broiler 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 free-range 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.

NOISE/VIBRATION

There are sensitive receptors within 400m of the proposed site and a Noise management plan has been carried out.

The ventilation system fans will be inspected every crop turnaround. Damaged fans will be withdrawn from use and noted for repair by an engineer. Broken or damaged machinery can generate excess noise resulting in greater stress for the birds as well as increased noise emissions. A full maintenance inspection will be undertaken by qualified engineers annually.

If a complaint is received an investigation will be instigated within one working day to identify the cause.