# **Technical Standards – Barn Farm, Navenby**

**Operations**

The operation of the farm is in accordance with Sector Guidance Note (SGN) EPR6.09.

# **Feed**

Selection and use of feed is in accordance with the SGN EPR6.09.

Protein is reduced over the growing cycle by providing different feeds.

Phosphorus levels in rations are reduced over the production cycle.

Feed storage bins are specifically designed to accommodate the required feeding regime.

# **Housing**

Housing design and management is in accordance with the SGN EPR6.09.

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 lost.

All sheds are fan ventilated, (by side inlets and ridge extract fans), with a fully littered floor equipped with non-leaking drinking systems.

Litter is kept loose and friable. The quality is regularly inspected to ensure it does not become excessively wet or dry. Steps as described in the SGN6.09 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 number of the birds.

LPG Brooders are spaced regularly within the sheds to prevent cold spots and extremes of temperature. The fans are fitted with back draft shutters to prevent drafts and unnecessary heat loss.

The shed is accessed via the control room/vestibule area, which prevent drafts.

A computer automatically controls ventilation and heating so that heat is not wasted by being drawn out of the building.

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 animal places and animal movements.

These records are available for inspection.

**Slurry spreading and manure management planning - off site-activity**

Litter is spread on land belonging to the applicant under a Manure Management Plan which includes all those farms owned by the applicant.

Litter is not stored at the installation – at the end of each crop litter is removed from the site and either spread directly on land or held on a designated pad awaiting spreading.

In the event of not being able to spread the litter on the applicant’s land, contingency arrangements are in place to export this. However, at this stage it is not considered necessary to do so. In these circumstances where the litter is exported for spreading to land, records will be kept of the names and addresses of the receiving farms with the receiver of the manure confirming, by signing a docket, that litter is spread to land in accordance with the Code of Good Agricultural Practice, or in accordance with the manure management plan for the receiving land.

# **Emissions and Monitoring**

Table of emission points

|  |  |
| --- | --- |
| **Emission point description/source and location** | **Source** |
| **Air** | |
| Roof ridge fan outlets on all six houses | Broiler Houses 1-6 |
| Vent from fuel oil tank for incinerator shown on site plan | Incinerator fuel oil tank |
| Emergency pressure release vent on LPG tanks shown on layout site plan | LPG Tanks |
| Chimney stack on incinerator shown on site layout plan | Incinerator |
| Exhaust on generator as shown on site layout plan | Generator |
| **Land** | |
| There are no emissions to land | N/a |

|  |  |
| --- | --- |
| **Water** | |
| Yard drainage discharge to off-site dyke’, as shown on the site drainage plan. | Uncontaminated surface water from roofs and yard areas around the site. |

There are no emissions to groundwater.

# **Fugitive Emissions**

Appropriate measures for preventing and minimising fugitive emissions are in place in accordance with the SGN EPR6.09.

Buildings are maintained in good repair.

Areas around buildings are kept free from build-up of litter and spilt feed.

Footbaths are managed so that they do not overflow.

# **Dust**

Feed is stored in purpose built covered feed silos located next to the broiler sheds.

No milling or mixing of feed takes place at the farm. All feed is delivered to the farm from the nearby feed mill owned by the applicant. Feed is blown directly from the trailer 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 house. 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 broiler houses have roof ventilation outlets. Rainwater run off is collected by the guttering system and routed to the dyke.

Litter is not stored on the site.

# **Carcass management**

Fallen stock is disposed of in accordance with the Animal By-Products Regulations 2003. Carcasses are incinerated on site in an incinerator approved by Animal Health.

# **Flies**

There is no history of any fly nuisance at the farm. 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 tanks for the incinerator and generator are to be bunded. The bunds will meet the requirements of the Control of Pollution (Silage, Slurry and Agricultural Fuel Oil) Regulations 1991 (amended 1997) and the requirements outlined in SGN EPR6.09. The tanks will be included with the site inspection schedule.

The Liquid Petroleum Gas tanks are protected from collision damage by guard rails.

Pesticides and veterinary medicines are kept in a store capable of retaining spillage, resistant to fire, dry, frost free and secure. 3

**Feedstuff**

Feed is kept in silos adjacent to the broiler sheds. No liquid feed is stored at the site.

The silos are sited between the sheds (as shown on Appendix 1d –site services) and thus away from site traffic and protected from collision damage.

# **Odour**

There are a number of neighbours (sensitive receptors) within 400m of the farm as shown on Appendix 1c “Location of Sensitive Receptors”.

In accordance with the SGN EPR6.09 and the H1 assessment refer to Appendix 9 Odour Management Plan.

# **Noise and vibration**

There are a number of neighbours (sensitive receptors) within 400m of the farm as shown on Appendix 1c “Location of Sensitive Receptors”.

In accordance with the SGN EPR6.09 and the H1 assessment refer to Appendix 10 Noise Management Plan.