

## Technical Standards

### North Farm HP3330AY Dec 24

#### 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'.

Protein is reduced over the laying 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

The site current houses 160,000 birds in six sheds.

##### The sheds

Shed Number	Number of Free-range layers	Ventilation type
1	16,000	Gable end fans
2	16,000	Gable end fans
3	32,000	Gable end fans and roof mounted fans
4	32,000	Gable end fans and roof mounted fans
A	32,000	Gable end fans and roof mounted fans
B	32,000	Gable end fans and roof mounted fans

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/m<sup>2</sup>/°C to reduce condensation and heat lost.

The houses are fan ventilated with an aviary housing system. Litter is belt removed at least twice a week and removed off site. House is equipped with non-leaking drinking systems. In each layer houses ventilation is important to maintain a suitable environment. Houses 1&2 – gable end fans houses 3&4 and A&B uses gable end fans and roof mounted fans.

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 number of the birds.

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 so that temperature is maintained for the age of 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 animal places and animal movements.

These records will be available for inspection.

### **Manure management planning – off/on site-activity**

Litter is proposed to be stored within the installation boundary. Proposed construction of a well-ventilated covered manure store with a capacity of 500t. Manure would be closely monitored in the store.

Litter will be used on operator-controlled land or exported to local farmers.

Any litter that is exported from the installation has records kept of the quantities, destination and the date of transfer to separate farming businesses.

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

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

The receiver of the manure confirms 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.

### **Improvement Program**

N/A new and existing building will meet the new BAT requirements

### **Emissions and Monitoring**

Table of emission points

Emission point description/source and location	Source
<b>Air</b>	
Gable fan outlets on Layer House as shown on the site layout plan	Laying Houses 1, 2, 3, 4, A, B
Sheds 3 and 4 have additional roof mounted fans	Laying houses 3 & 4, A & B
Area Adjacent of Manure store	Manure Store
Vent from fuel oil tank for generator as shown on site layout plan	Generator fuel oil tank
<b>Land</b>	
Land and soakaways	Roof water from layer houses, Manure store and the surrounding yard area.
<b>Water</b>	
N/A	

### **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, proposed manure store and water from cleaning out will be collected in underground storage tanks as shown on the site drainage plan. 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 a dirty water tanks.

Proposed manure store would be closely monitored for fugitive emissions.

The wash water tanks will be built to conform to SSAFO specifications and 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 laying sheds.

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 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.

Layer houses will have roof ventilation outlets on houses. Rainwater run-off will be collected by the guttering system and routed to soakaways.

Proposed 500t muck store would have good natural ventilation whilst limiting the potential for dust escaping into environment. Manure will closely monitored in store.

### **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 licensed 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 meet the requirements of the Water Resources (Control of Pollution) (Silage, Slurry and Agricultural Fuel Oil) Regulations 2010 (SSAFO Regulations) and meet the requirements outlined in SGN EPR6.09 'How to comply with your environmental permit for intensive farming'. The tank will be regularly inspected, see flock document, weekly inspection of generator.

### **Foodstuff**

Feed is kept in silos adjacent to the layer sheds. No liquid feed is stored at the site. The silos are sited away from site traffic and protected from collision damage by barriers and no drive posts.

### **Odour**

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

### **Noise and vibration**

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