

Attachment D

Infrastructure and Operation

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D.1. Operational Information Requirements

Traffic Levels

Traffic levels come under the following headings:

- Staff transport
- Service staff, sales, inspectors etc.
- There a number of visits per week for service men, salesmen and inspections from all regulatory authorities to this Poultry Unit.
- Feed deliveries
- Gas/oil delivery
- Stock sales
- Carcasses
- Removal of litter

All drivers regulatory entering the site are trained in the areas of disease prevention and health and safety while onsite.

Litter Production

The farm produces approximately 480 tonnes/annum of poultry litter.

Management and Stockmanship

Michael O' Connor keeps accurate records. All the figures in relation to performance are calculated on a monthly basis. Records of growth rates, food conversion efficiency and mortality in each stage of the growth help to ensure that efficiency is maintained. These measurements together with the weight determine the value of the end product.

Vermin baiting programmes are followed, according to An Bord Bia standards. Records of these programmes are kept in the flock records as attached.

The management of the farm maintains detailed waste management records onsite for disposal of animal carcasses, veterinary waste, general refuse etc.

A record is also maintained of poultry manure to Custom Compost, Co. Wexford.

Documented procedures are also maintained onsite in respect of Emergency Response Procedures, Corrective Action Procedures, Training Procedures etc. Copies of these are attached.

Ventilation

All buildings are ventilated. Standard calculations are used which take into account the following:

- The air volume inside the building
- The desired temperature within the building

- The insulation value of the building
- The number and size of stock in the building
- The feeding method used

All the above factors determine the number and size of the extractor fans required and the number and size of air outlets required. The temperature in the building determines how often these fans are activated. The higher the temperature, the more stages of fans required.

The method employed is that air is drawn through a number of air inlets of equal intervals down the length of the building. These inlets are controlled by computer also. The air inlets normally run at 15% to maintain a healthy atmosphere in the house. This fresh air mixes with the existing air in the building and the warm air is expelled through the apex of the roof by the extractor fan. This process is computer controlled.

From within the computer program, the owner can enter details as follows:

1. The desired room or building temperature
2. The degree by which the temperature may fluctuate before the computer starts making adjustments.
3. Whether the temperature is to be changed over a specific period.
4. Minimum and maximum ventilation rates.
5. Whether humidity levels are to be controlled.
6. Whether artificial heat should be turned on if the temperature drops below a specified level.

Apart from the computer, the system comprises a series of air vents, a winch which is connected to the air inlets by stainless steel cables and a number of extractor fans. When the temperature rises within the building, a temperature sensor informs the computer of the rise and according to the program requirements the computer sends signals to the extractor fan to increase speed. At the same time, the computer instructs the winch motor to wind the cable. This in turn opens the flaps in each outlet, allowing more air into the buildings.

The combination of the flaps opening and the fans increasing will then reduce the temperature to the desired level. This process is continuous, with the temperature sensor informing the computer every 15 seconds as to the building temperature.

Where additional heat is required (i.e. the temperature has fallen below the desired level) and the ventilation has reduced to the minimum level acceptable for the health of the stock and the stock person, then the computer will switch on artificial heat. The heat sources are 1.5kW electric elements placed below an air vent, so that the incoming air is warmed as it enters the building. However, in the event of the temperature in any house rising 5 degree Celsius above the desired room temperature, the computer will set off an audible alarm. The same applies in the event of a fire or a power failure.

In the event of a power failure, a battery back-up in the computer operates the winch motor which in turn opens up the air inlets to their maximum.

The purpose of using this ventilation system is:

1. The extent and accuracy of temperature control helps maintain the health and comfort of the stock which affects the efficiency of production.
2. The use of artificial heat is confined only to those times when the stock needs it, thus minimising ESB consumption.
3. The alarm system together with automatic air inlet opening gives a high degree of safety.
4. The number of air changes per hour is strictly controlled and this has a substantial effect on reducing the spread and the intensity of respiratory infections.

D.2. Development and Operational History of the Site

Chronology of Planning

A search of the Planning Register shows that there are a number of planning permissions and applications on the holding.

Planning or Appeal Reference Number	Planning Authority/ An Bord Pleanala	Date of Planning Decision (Final)	Brief description
91177	Limerick County Council	22/02/1991	Erection of poultry house and boundary wall
931292	Limerick County Council	23/12/1993	The construction of poultry house at
12283	Limerick County Council	15/08/2012	the construction of a broiler unit (an Environmental Impact Statement has been submitted as part of this application)
13366	Limerick County Council	13/08/2013	amendments to condition no. 17 of planning reference no. 12/283 to include installation of a low pressure ventilation system

**Michael O' Connor Poultry Unit
Rathcahill West, Templeglantine, Newcastle West, Co. Limerick**

**AS PART OF ENVIRONMENTAL MANAGEMENT,
THERE IS A REQUIREMENT TO INFORM THE AGENCY OF THE
FOLLOWING**

- Incidents that effect the normal operation of the activity, and which may create an environmental risk
- Emergency situations that develop on site
- Malfunctions of any continuous monitors
- Any malfunction or breakdown of control equipment or monitoring equipment
- Any release to atmosphere or emission that does not comply with the requirements of the license.

DATE OF INCIDENT _____

DESCRIPTION OF INCIDENT

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DESCRIPTION OF ACTION TAKEN

AUTHORITIES NAME NUMBER DATE CONTACTED

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CORRECTIVE ACTION PROCEDURE

**IN THE EVENT OF A REPORTED NON COMFORMITY,
RESPONSIBILITY AND AUTHORITY FOR INITATING
FURTHER INVESTIGATION AND CORRECTIVE
ACTION SHALL FOLLOW THE FOLLOWING STEPS**

- 1. DETERMINE THE REASONS WHY THE SPECIFIED REQUIREMENTS WERE NOT MET.**
- 2. DRAW UP A PLAN OF ACTION TO CORRECT THE NONCOMFORMITY WITH THE SPECIFIED REQUIREMENT**
- 3. IMPLEMENT PREVENTIVE ACTIONS TO A LEVEL CORRESPONDING TO THE RISK ENCOUNTERED**
- 4. APPLY CONTROLS TO ENSURE THAT CORRECTIVE ACTIONS ARE TAKEN AND THAT THEY ARE EFFECTIVE**
- 5. IMPLEMENT AND RECORD ANY CHANGES IN PROCEDURES RESULTING FROM CORRECTIVE ACTION.**
- 6. PROVIDE SUCH APPROPRIATE TRAINING OR RETRAINING AS MAY BE NECESSARY.**

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**EMERGENCY RESPONSE PROCEDURES
IN THE EVENT OF THE AN EMERGENCY
SITUATION WHICH MAY CREATE AN
ENVIRONMENTAL RISK PLEASE CONTACT
THE FOLLOWING:**

Emergency Contact	Michael O' Connor 086 3708870
Doctor	
Hospital	Mid-Western Regional Hospital Limerick 061 301111
Garda	Newcastle West 069 20650
Immediate Garda/Fire Brigade Response	112/999
Environmental Protection Agency	053 9160600/1890 335 599
Limerick County Council	061 496200
Regional Fisheries Board	Limerick 061300238
National Poisons Information Centre	01 8379964
Beaumont Hospital	01 8377755
Digger	John White 086 1717576
Environmental	NRGE Ltd. 06255385