



Submission

Submitter:	Miss Claire O'Dwyer
Organisation Name:	HSE
Submission Title:	P0871-03
Submission Reference No.:	S010255
Submission Received:	16 March 2022

Application

Applicant:	Mr Vincent Quinn
Reg. No.:	P0871-03

See below for Submission details.

Attachments are displayed on the following page(s).

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Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

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HSE EIS SUBMISSION REPORT
Environmental Health Service Consultation Report
(as a Statutory Consultee (Planning and Development Acts 2000,
& Regs made thereunder)).

Date: 15th March 2022

Our Reference: 2227

Report To: Environmental Licensing Programme
Office of Environmental Sustainability
Environmental Protection Agency
Johnstown Castle Estate
Co. Wexford

EPA Reference: P0871-03

Type of Consultation: Industrial Emissions

Applicant: Mr. Vincent Quinn, Ballylusk, Ballybay, Co. Monaghan

Nature of Activity: Activity Class 6.1 (a), "The rearing of poultry in an installation, where the capacity exceeds 40,000 places."

Introduction

The following HSE Stakeholders were made aware of the licence application for the proposed development on 21st February 2022.

- Emergency Planning – Brendan Lawlor
- Estates – Helen Maher/Stephen Murphy
- National Clinical Director for Health Protection
- CHO – John Hayes

This report only comments on the Environmental Health impacts of the licence application.

Site Location

The proposed development is adjacent to an existing poultry farm site at Cornanagh, Ballybay, Co. Monaghan, 5.4km north-east of Ballybay. The site is 3.188 hectares in area and it is accessed via a local third class road. The existing poultry farm consists of 4 existing poultry houses with ancillary structures. It has capacity for c. 100,000 birds and operates under E.P.A. Licence No. PO871-02. The proposed development of 1 No. Broiler rearing house will be completed within a low set area of the existing landholding. The cumulative capacity of the farm upon completion will be limited to c. 150,000 birds.

Water Supply

According to the Geological Survey of Ireland the aquifer classification of the site is 'P1, Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones Area with a High (H) vulnerability rating. Water is required on site for stock feeding and for washing; this is to be sourced from the on-site well. The estimated water use will be c. 6,000 m³ per annum for the activity.

I could not locate details of the existing well in the EIAR. It is recommended the applicant highlights the location of the well on a site layout plan and provides details of its depth, construction and well head protection. Evidence should also be provided of the existing wells capacity to cater for the new proposed development.

Surface Water

There is to be separation of clean and dirty water systems on site. Clean roof water and water from clean surface will be collected by land drains around the poultry houses and discharged to local drains. It is stated these are likely to flow north towards the Six Mile Lake Stream, which is 467m north of the site. It is stated that storm water emission points to be visually inspected and recorded on a weekly basis. **There appear to be no proposals by the applicant to sample surface water discharge from the site. It is recommended that periodical sampling of surface water discharge is undertaken to verify no contamination is occurring.**

It is not stated in the EIAR if the rate of discharge of clean surface water runoff will be controlled. **The applicant should assess the impact the discharge of clean surface water shall have on the surrounding environment in the case of heavy rainfall. If necessary, mitigation measures should be implemented to store and control the rate of surface water runoff from the proposed development.**

I could not locate any proposals for rainwater harvesting or recycling water in the operational management plan for the site. In light of the current climate crisis it is

recommended that the applicant should explore options to reuse grey water for washing purposes on site.

Soiled Water

Soiled water from the proposed development will be collected in a dedicated soiled water collection tanks, located on site. The estimated soiled water production will be c. 241.5 m³/annum. There is on site storage capacity for c. 70M³ with additional storage capacity available in the applicants slatted tanks located off-site. This soiled water will then be applied to farmland farmed by the applicant in line with S.I. 605 of 2017.

I could not locate details of the additional storage capacity to be provided off site. The applicant should provide evidence they have capacity for 26 week storage of soiled water, in line with the requirements of S.I. 605 of 2017. It is also recommended that all soiled water storage tanks are fitted with leak detection facilities to prevent overflowing.

The applicant has provided the following evidence of compliance with S.I. 605; *“The stocking rate for 2019 was c. 151kg Organic N/ha. The application of c. 241.5 m³ of soiled water from the proposed expanded development with an estimated N content of 1 Kg Organic N/Ha will increase this stocking rate to c.166 Kg Organic N/Ha (on the remaining c. 30.7 Ha) inside the 170 Kg Organic N/Ha limit”*. Land spreading maps were also included in Appendix 16. **I could not locate details of soil analysis tests in the information submitted by the applicant. It is recommended that any nutrient management plan takes into account existing soils conditions on which soiled water is to be spread.**

Poultry Litter

The estimated manure production upon completion of the proposed development will be a total of c. 1,150-1,350 tonne / annum increasing from c. 700-900 tonne / annum as currently approved. The poultry manure from this farm will be removed off site by an authorised contractor, CLR Co-op, on behalf of the applicant. Evidence they are registered with the Department of Agriculture for the transport of Animal ByProducts was provided.

This organic fertiliser is not considered a waste product and is to be utilised as an organic fertiliser in line with S.I. 605 of 2017. All organic fertiliser is destined for compost production, or supplied to customer farmers for use as organic fertiliser in accordance with S.I. 605 of 2017, as amended in response to demand.

It is stated the applicant will implement and manage a programme for the allocation of organic fertiliser in each particular year. This will involve the continuous recording of all organic fertiliser transfers off the farm. **The disposal of organic waste from this facility has the potential to cause harmful emissions to groundwater and surface water if not adequately controlled. An agreement between ‘importers’ and ‘exporters’ of all animal manures and other**

wastes are required. It is recommended that all lands to be used for poultry litter disposal are identified and evaluated for suitability prior to the acceptance of this organic waste.

Waste

Dead animals and animal tissues which are estimated to be cc. 1.5 tonnes/month will be accumulated in a sealed leak proof container on site for collection by College Proteins at 1 - 2 week intervals for transport to an authorised Animal By-products facility at Nobber, Co. Meath.

Odour

The applicant states *“There are no processes proposed which will constantly or regularly release odorous emissions from the site at nuisance levels”*. It is stated that odour emissions will be reduced by the use of automated feeding and ventilation systems. The applicant proposes to implement a strict washing routine so as to prevent the built up of odour within the houses. Fugitive odour emissions at the site will be limited to times at which birds/manure are being removed from the site, which is for a short period every cycle. Meteorological data for the area was provided in an appendix of the EIAR. **It is recommended that an assessment of the impact of the prevailing weather conditions on odour from the facility in relation to the location of the nearest sensitive receptors is carried out. The odour assessment should also take into account local topographical conditions.**

Noise

It is stated that the nearest third party dwelling is located 175 metres from the proposed development. No baseline noise monitoring was carried out by the applicant to establish the existing noise environment.

An operational noise impact assessment was carried out by the applicant in which four identified operational noise emission sources of significance associated with the proposed development were examined. These were

- Livestock Emissions
- Feed Delivery Truck Events
- Poultry House Ventilation Fans
- Emergency Generator.

The impact of noise from each was examined in detail and the noise impact assessment concluded that there would be no negative noise impact on sensitive noise receptors in the vicinity.

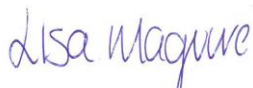
Pest Control

It is stated a rodent control programme in line with Bord Bia and Department of Agriculture, Food and The Marine requirements will be developed for the site. Detailed records regarding bait point location, frequency of baiting and products used are to be maintained. Housekeeping to ensure the proper storage and disposal of all wastes, proper storage of all feedstuffs and maintaining the houses and external areas in a clean and tidy manner will also control pests.

Traffic

The increased traffic to/from the poultry farm upon completion of the proposed development has been calculated at 1 additional journey per week. It is stated that this traffic movement will not adversely impact on the local road network which will be more than adequate to accommodate same.

Should you have any queries in relation to this report please contact me at lisa.maguire@hse.ie



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Lisa Maguire
Environmental Health Officer



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Dear Sir/Madam

Please find enclosed the HSE consultation reports in relation to the above licence application. If you have any queries regarding any of these reports the initial contact is Ms Claire O'Dwyer, Principal Environmental Health Officer, who will refer your query to the appropriate person

Yours faithfully,

Claire O'Dwyer
Principal Environmental Health Officer