



Submission

Submitter:	Miss Claire O'Dwyer
Organisation Name:	HSE EHS
Submission Title:	P1109-01
Submission Reference No.:	S005577
Submission Received:	21 June 2019

Application

Applicant:	Mr. Martin Mulligan
Reg. No.:	P1109-01

See below for Submission details.

Attachments are displayed on the following page(s).

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Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

Environmental Health Service
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Cavan and Monaghan
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Ref: BC/COD

21 June 2019

Ms. Claire O'Dwyer
Principal Environmental Health Officer
Environmental Health Office
The Arcade
Main Street
Cavan
Co. Cavan

Re/ Application for Integrated Pollution Prevention and Control Licence.

Class and Nature of Activity/ Class 6.1

The rearing of poultry in installations weather within the same complex or within 100 metres of the same complex, where the capacity exceeds 40,000 places.

Applicant: Mr Martin/Mary Mulligan, Killeevan Glebe, Killeevan Co. Monaghan.

Location of facility: Killeevan Glebe, Killeevan Co. Monaghan.

Ref. No/ P1109-01

EHIS Ref: 0952

Dear Claire,

I refer to an application for an IPPC licence for No. 2 proposed poultry houses from the above named applicant. The IPPCL application for these units was submitted to the EPA on the 07 June 2019. The applicant is proposing to construct No. 2 poultry houses on what is currently a green-field site located on the applicants existing farm at Killeevan Glebe, Killeevan Co. Monaghan. The proposed two houses will have the capacity to accommodate approximately 100,000 broilers on-site when completed.

The following are observations made whilst reviewing the said application and related documents in conjunction with EPA guidance documents and associated Legislation. Further observations were made during the site visit and discussions with Mr. Martin and Mary Mulligan, the applicants, on the 14 June 2019.

Site Location

The site in question is located in a rural area within the townland of Killeevan Glebe. The site is 410m west of Killeevan village and 2 km north-west of Newbliss at National Grid Reference E254941 N325075. The site comprises an overall area of c. 1.3578 hectares owned by the applicant with a total of c. 34.06 hectares farmed. The activity on this site will be a poultry farming activity similar to the current activities in the area. The existing site, while remotely located is serviced by a good road network, accessed by a local road which subsequently connects with the Regional Route R183 Clones - Cootehill Road, c. 400 m east of the site. This proposed site is to be accessed via an existing entrance.

The applicant stated that they have substantial experience in farming in general having been involved in dairy farming for most of their lives. Following assessment of the site it was determined that the nearest non-family neighbour is approximately 130m or more from the proposed site. The applicant stated that there has been no objection or complaints to-date regarding the proposed development from any of the neighbours. This office has not been made aware of any complaints regarding this development.

Water Supply

The applicant advised that the proposed houses will be supplied with water from Irish Water mains supply which is monitored by the local authority. Currently the site has no water connection and it is therefore proposed that water will be connected to the site by Irish Water. They further advised that they may decide to drill a deep bored well on site as a back-up water supply. Furthermore the applicant intends to explore options for rain harvesting. This office is not aware of any existing issues with any Mains Water supply in that locality.

It is recommended that a condition of the licence stipulate that the applicant maintain all results for water testing on site for the purpose of examination.

It is recommended that if the applicant decides to develop a bored well for use at the facility that a groundwater protection plan is drawn up by the applicant to address, but not be limited to the following for wells used for human consumption;

- details of water source
- details of bedrock
- details of overburden
- vulnerability of the borehole
- groundwater flows and gradient
- inner and outer zones of protection
- details and assessment of land use
- current activities and past activities in the source protection zones.

Manure:

It is proposed that all manure will be collected by a licensed contractor namely CLR Co-op T/A Poultry Manure Supplies (PMS) Mount Louise, Smithboro, Co. Monaghan, who will remove the manure from the houses for the purpose of composting. The applicant stated that no manure will be stored on site. If however in the event manure needs to be stored on-site there are currently suitable facilities on his other farm to accommodate manure storage.

Wash Water

Wash water from the proposed units will be collected and stored in dedicated and newly constructed wash water tanks. The applicant stated that the said tanks will each have at least 6 months storage capacity as required. The wash water will be subsequently spread on the applicants surrounding lands. In the event the applicant is unable to spread the wash water on his surrounding lands, during the months in which he is permitted to do so due to for example weather conditions, the applicant has adequate facilities on site i.e. slated shed units, for the storage of wash water.

It is recommended that the applicant is made aware that the following applies to all poultry manure and wash-water storage structures whether or not on the site of the unit:

- A minimum of six months storage capacity dedicated to the unit is required.
- All construction work should be certified by a chartered engineer as having been constructed according to S108 or S123 as appropriate, (DAFF, 1987 and 1994).
- Where the poultry manure storage structures are constructed to another design specification, then both the design specification and the subsequent construction work should be certified by a chartered engineer as being suitable for the task and comparable to the Department of Agriculture, Food and Forestry specifications.
- All storage tanks should be inspected by a chartered engineer and certified as structurally sound for the purpose they were intended subsequent to construction and at appropriate intervals thereafter.
- Leak detection facilities based on inspection chambers and perimeter wall and under floor drains should be provided as appropriate.

It is recommended that the applicant is advised to adhere with Section 4.6 of Batneec Guidance Note for the Poultry Production Sector and the conditions therein particularly S.I. 605 of 2017.

It is recommended that a Nutrient Management Plan (NMP) is maintained by the applicant on site for the management of soiled-water arising at the facility and should include:

- Calculation of the quantity of manure and the amount of nutrients available from manure including any manure or other wastes imported.
- The results of soil fertility and drainage tests on existing or proposed land spreading areas.
- A representative soil sample, to a depth of 10cm, should normally be taken biennially from every 2 to 4 hectares and at least one per farm. However, where soil types are similar and cropping and treatments of the lands were the same during the previous 5 years or more, a composite sample from an area up to 12 hectares is acceptable.
- An assessment of the relationships between manure application rates, cropping routine, crop nutrient requirements and existing soil nutrient status on all land spreading areas.

- Ordinance Survey Maps to a scale of 1:10,560 showing the location of the said land spreading areas and all environmentally sensitive features on the lands or in their vicinity; including *inter alia* dwellings houses and sensitive buildings, drains, streams, watercourses and other sources of water supply.
- Agreements between 'importers' and 'exporters' of all animal manures or other wastes are required.

The Nutrient Management Plan should be up-dated and issued to the Agency for approval on an annual basis.

It is further recommended that the applicant install High Level Monitors to the proposed wash water tank(s) in order to minimize the risk of unintentional overflow. This is particularly important given the vulnerability of the nearby water course.

Storm Water / Surface Water

Storm water from roofs and clean yards will discharge to field drainage via a storm water collection system and will ultimately be discharged to the Newbliss Stream. The application site lies within the Erne Hydrometric Area and Catchment, and the Finn (Monaghan) Sub-Catchment/Sub-Basin. There are no drains or streams within or adjacent to the application site. However, the closest mapped watercourse to the site is the Newbliss Stream which is 110m south of the application site. This stream flows in a north-westerly direction until its confluence with the Finn River, at a point 1.4km north of the application site. The EPA has defined the ecological status of the Newbliss Stream and the Finn River as moderate. Under the requirements of the Water Framework Directive in Ireland, this is unsatisfactory and good status must be achieved by 2021.

The applicant further advised that the storm water discharge points will be regularly tested, inspected and monitored. There will be no discharge of any soiled water or any effluent from the site to any watercourse or to groundwater. Due to the ecological status of the surrounding water courses it is vital that the applicant take all due care in ensuring that there is no discharge of contaminated waters from the proposed development.

It is recommended that the licence stipulate that all discharge points must be labeled and identified on site for the purpose of monitoring and sampling including grid references.

It is recommended that the baseline conditions of the groundwater are established in the neighbourhood of the site and of the land spreading areas. Periodic water quality monitoring of relevant parameters as per licence. Where appropriate test wells should be provided at the site of the poultry unit.

It is recommended that a condition of the licence stipulate that a surface water quality monitoring scheme is put in place and that the baseline conditions of the groundwater are established in the neighbourhood of the site and of the land spreading areas. That periodic water quality monitoring is established of the relevant parameters and that relevant records are maintained by the applicant for inspection.

Due to the elevation of the proposed site the applicant stated that the site has never flooded and that there is no risk of future flooding.

Waste

The applicant stated that College Proteins will be the contractor employed to remove dead birds off-site.

It is recommended, given the capacity, that adequate and suitable storage facilities are provided by the applicant for the storage of dead bird carcasses on site. That the applicant is advised that the carcasses should be removed by a registered contractor, in this case College Proteins, as often as necessary and in any event before the storage containers overflow.

It is recommended that all other waste products are disposed of at Monaghan Co. Co. civic amenity centre or returned to the supplier for recycling in a timely manner and that there is no accumulation of waste on site.

Odour

It is recommended that the applicant be advised to continually monitor odour from the installation.

Noise and Dust

The site is located in a rural environment. B.A.T. specifies the standard noise emission limit values of 55 (daytime) and 45 (night time) dB(A) at any noise sensitive location.

It is recommended that the applicant be advised to continually monitor noise and dust from this installation particularly during the construction phase. That work on-site is limited to day time hours 06:00am – 20:00pm to avoid any noise nuisance.

Pest Control

The applicant intends to apply pest control measures to the facility themselves.

It is recommended that the applicant is advised of his obligations in terms of vermin control.

It is further recommended that the applicant is advised to apply adequate pest control measures to the proposed poultry houses and that the bait boxes are monitored regularly to ensure an adequate amount of bait is present in the boxes. That pest control records and measures be maintained by the applicant on site in line with the Bord Bia bait programme.

Oil Storage

The applicant stated that he does not intend to store oil on-site of the proposed poultry units and that gas will be used to heat the houses. The applicant advised that a back-up generator will be used on-site which will be powered by diesel.

It is recommended therefore that the applicant is advised that in accordance with Batneec Guidance oil storage tanks on site should be self bunded or placed on impervious bases and shall be located within oil tight bunds, capable of holding 110% of the volume of the largest tank within the bund. The fill and draw pipes shall be enclosed within the bund.

Chemical Storage

It is recommended that the applicant be advised to store all chemicals safely in a bunded area.

Conclusion:

Other than the issues stated above, the Environmental Health Service have no further concerns at this time regarding this facility.

Yours faithfully,



Barry Goady
Environmental Health Officer

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Ref/ BC/CO'D

21 June 2019

Environmental Licensing Programme
Office of Climate, Licensing & Resource Use
Environmental Protection Agency
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PO Box 3000
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Re/ Application for Integrated Pollution Prevention and Control Licence.

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Ref. No/ P1109-01

EHIS Ref: 0952

To whom it may concern;

Please find enclosed the Health Service Executive consultation report in relation to the above application.

The following HSE departments were made aware of the consultation request for the above application on 11 June 2019:

- Emergency Planning
- Estates
- Assistant National Director for Health Protection
- RDPI.

The Environmental Health Service response to the application is in the attached consultation report.

- The assessment is based on an assessment of documentation submitted to this office.
- A site visit was conducted on 14 June 2019.
- All commitments to future actions including mitigation and further testing have been taken as read and all data results have been accepted as accurate.
- No additional investigations / measurements were undertaken.
- This report refers only to those sections of the documents which are relevant to the HSE.
- We have made observations and submissions under the following specific areas;

Human Beings
Water
Climatic Factors
Interaction of the above

Soil
Air
Material Assets
Waste

All correspondence or any queries with regard to this report, including acknowledgement of this report, should be forwarded to Ms. Claire O'Dwyer, Principal Environmental Health Officer.

Yours sincerely,



Claire O'Dwyer
Principal Environmental Health Officer