



Submission

Submitter:	Miss Claire O'Dwyer
Organisation Name:	HSE EHS
Submission Title:	P1092
Submission Reference No.:	S004963
Submission Received:	12 December 2018

Application

Applicant:	Kevin McVicar
Reg. No.:	P1092-01

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
HSE Dublin/North East
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Ref/ BC/CO'D

12 December 2018

Environmental Licensing Programme
Office of Climate, Licencing & Resource Use
Environmental Protection Agency
Headquarters
PO Box 3000
Johnstown Castle Estate
Co. Wexford

_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: Kevin McVicar, Mullaliss, Glaslough, Co. Monaghan.

Location of facility: Mullaliss, Glaslough, Co. Monaghan.

Ref. No/ P1092- 01

EHIS Ref: 0852

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 08 November 2018:

- 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 07 December 2018.
- 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

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

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EHIS Ref: 0852

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 25 October 2018. 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 Mullaliss, Glaslough, Co. Monaghan. The proposed two houses will have the capacity to accommodate approximately 100,000 broilers on-site.

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. Kevin McVicar on the 07 December 2018.

Site Location

The site of the proposed development is located in a rural setting in north Co. Monaghan, approximately 10.25km, to the north east of Monaghan Town. Glaslough Village is located approx. 1.75km to the south east of the site, while the village of Emyvale is situated approx. 3.75km to the west. The site comprising a total area of 1.47ha, is a greenfield site, located adjacent to the northern corner of the applicant's/applicant's family existing bovine farmyard complex. The applicant also leases 26.8ha of land which he utilises for beef production.

Following assessment of the site it was determined that the nearest non-family neighbour is approximately 170m from the site. The applicant has stated that the proposed development has been discussed with all the neighbours and none of whom have any objection to same. This office has not been made aware of any complaints.

Water Supply

The applicant advised that currently the existing farm is supplied with water from Emyvale GWS however it is proposed that the poultry houses will be supplied with drinking water from a proposed deep bore well. This office is not aware of any existing issues with any Group Water Scheme 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 George Coulson & Sons Ltd. Tircooney, Clones 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 the existing farm to accommodate manure storage.

Wash Water

Wash water from the proposed units will be collected and stored in No.2 dedicated and newly constructed wash water tanks located at the end of each of the two proposed houses. The applicant stated that the said tanks will 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 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 further recommended that the applicant install High Level Monitors to the proposed wash water tanks in order to minimize the risk of unintentional overflow.

Storm Water / Surface Water

The applicant has stated that storm water drainage infrastructure will be installed onsite to collect all roof rainwater and clean yard runoff. This will consist of 225mm diameter storm drains, which will pass through a silt trap and swale prior to discharge to a drainage ditch located to the south of the proposed development site. The Slieve Beagh SPA is located approx. 9.8km to the west of the site. The proposed development site is located within the Lough Neagh and Lower Bann Hydrometric Area and WFD Catchment. Additionally, the site is located within the Blackwater Trib Sub-catchment. The closest hydrological feature to the site is the Cloncaw Stream which is a 1st order stream located approx. 260m to the east.

The Cloncaw Stream flows in an approximate south to north east direction and enters the Mullaliss Stream, which is a tributary of the River Blackwater, approximately 1km from the site. A further river, the Mountain Water is located approx. 790m to the north of the site. In addition, a drainage ditch is located to the south of the site. There are three lakes in the vicinity of the site, namely Emy Lough (1.7km), Monmurry Lough (1km) and Glaslough Lake (1.7km). The drainage ditch located to south of the site feeds into Monmurry Lough. The applicant has stated that storm water discharge points will be regularly checked, inspected and monitored and that there will be no discharge of any soiled water or any effluent from the site to any watercourse or to groundwater.

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.

The applicant stated that the site has never flooded.

Waste

The applicant stated that College Proteins an authorised Animal-By-Products Facility at College Road, Nobber, Co. Meath 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 have reached there capacity.

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

It is recommended that the applicant be advised to continually monitor noise and dust from this installation particularly during the construction phase and restrict construction times to not before 8am or after 6pm and none on Sundays and public holidays. 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.

Pest Control

The applicant intends to self administer pest control on-site.

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 ensure that adequate pest control measures are put in place 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 may be used to heat the houses. A back-up generator will be used on-site which will be powered by diesel however, the generator will incorporate a self bunded system to avoid any accidental leakage of fuel to surface or ground water.

Chemical Storage

The applicant has suitable chemical storage facilities on-site

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,

p.p. Fiona Smith

Barry Coady
Environmental Health Officer