



### Submission

Submitter:	Miss Claire O'Dwyer
Organisation Name:	HSE EHS
Submission Title:	1100 01
Submission Reference No.:	S005313
Submission Received:	08 February 2019

### Application

Applicant:	Mr. Mark Breaky
Reg. No.:	P1100-01

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  
Cavan and Monaghan  
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Ref: BC/COD

08 February 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 6.2**

**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: Mark Breakey, Ardnasallem, Emyvale, Co. Monaghan.**

**Location of facility: Ardnasallem & Tullyard, Emyvale, Co. Monaghan.**

**Ref. No/ P1100- 01**

**EHIS Ref: 0896**

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 11 January 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 Ardnasallem & Tullyard, Emyvale, Co. Monaghan. One of the houses is however currently under construction. The proposed two houses will have the capacity to accommodate approximately 90,000 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. Mark Breakey, the applicant, on 05 February 2019.

### **Site Location**

The site/existing farm is located in north Co. Monaghan, c. 3 kms south west of Emyvale, c. 3km's northeast of Tydavnet and c. c. 2 km from the N2 Monaghan - Derry Road, at National Grid Reference E265978 N341302. The site comprises an overall area of c. 1.66 hectares owned by the applicant with a total of c. 61.59 hectares farmed. The proposed poultry farming activities will be the only agricultural activities to be carried out by the applicant on this site, although the additional lands within proximity of this site, upon which bovine livestock are farmed will continue to be farmed in this manner. The applicant stated that he has substantial experience in farming in general having been involved in farming all of his life. Following assessment of the site it was determined that the nearest non-family neighbour is approximately 100m or more from the site. The applicant stated that there has been no objection or complaints to the proposed development from any of the neighbours. This office has not been made aware of any complaints.

### **Water Supply**

The applicant advised that the proposed houses will be supplied with drinking water from the local Tydavnet Group Water Scheme (GWS) which is monitored by the local authority. He was unsure as to the name of the GWS nor did the EIA mention the GWSs name. However he advised that the water supply is tested regularly by the Group Water Scheme operators. He further advised that the applicant may decide to drill a deep bored well on site in the future as a back-up water supply. 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 no suitable facilities on the existing site 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, during the months in which he is permitted to do so due to for example weather conditions, the applicant has adequate facilities at another location 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 advised that all storm water and clean surface waters will be drained via a piped drainage system into field drain namely Killygavna Stream which is located to the south of the site, and from there to the Mountain Water a tributary of the Blackwater River. The site of the proposed development is located in the Lough Neagh and Lower Bann River Basin District. The applicant further stated that the storm water discharge points will be regularly checked, inspected and monitored and 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 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

It is recommended that the applicant be advised to continually monitor noise and dust from this installation particularly during the construction phase.

#### Pest Control

The applicant intends to employ a pest control contractor.

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. 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

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 Coady**  
**Environmental Health Officer**

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08 February 2019

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: Mark Breakey, Ardnasallem, Emyvale, Co. Monaghan.**

**Location of facility: Ardnasallem & Tullyard, Emyvale, Co. Monaghan.**

**Ref. No/ P1100- 01**

**EHIS Ref: 0896**

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 29 January 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 conducted on 05 February 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**