



Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

Environmental Health Service
HSE Dublin/North East
Cavan and Monaghan
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Ref/ BC/CO'D / EHIS Ref: 0660

18 September 2017

Mr Patrick Doyle
Office of Climate, Licensing & Resource Use
Environmental Protection Agency
Headquarters P.O. Box 300
Johnstown Castle Estate
Co. Wexford.



Re: Application for a review of 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. James Corr, Corlat, Smithboro, Co. Monaghan.

Ref. No: P0853- 02

Dear Mr. Doyle,

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

If you have any queries regarding the report, the initial contact is Ms. Claire O'Dwyer,
Principal Environmental Health Officer.

The following HSE departments were made aware of the consultation request for the
above application on 21 July 2017:

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

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

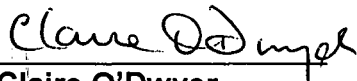
- The assessment is based on an assessment of documentation submitted to this office.
- A site visit was conducted on 14 September 2017.
- All commitments to future actions including mitigation and further testing have been taken as read and all data results have been accepted as accurate.
- No additional 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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18 September 2017

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



Re: Application for a review of an Integrated Pollution Prevention and Control License.

Class and Nature of Activity: 6.1

The rearing of poultry in installations where the capacity exceeds 40,000 places.

Applicant: Mr. James Corr, c/o Mr Padraic Fay, CLW Environmental Planners Ltd, The Mews, 23 Farnham Street, Cavan.

Location of Facility: Conlat, Smithboro, Co. Monaghan.

Ref. No: P0853-02

EHIS Ref: 0660

I refer to a review of an existing IPPC license for a poultry production unit belonging to the above named applicant. The IPPCL review application for the existing units was submitted to the EPA on the 24 August 2017. There are currently 3 fully operational poultry houses to accommodate 100,000 broilers onsite. Rearing of chickens is carried out from day olds until removed off site for meat production. The applicant is proposing to construct a fourth poultry house on site to accommodate a further 50,000 broilers.

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. James Corr on 14 September 2017.

Site Location

The nearest neighbour is located approximately 150m from the facility. It was established that both the poultry site and the nearest neighbour have been living side by side for a long number of years without any issues arising. The applicant has stated that there have been no complaints and this office has not been made aware of any complaints.

Manure

Currently all manure is collected by the contractor George Coulson located at Tircooney, Clones, Co Monaghan, who removes the manure to be used in the manufacture of mushroom compost at various compost yards. There is a suitable storage area for manure on site which has the capacity to accommodate manure storage for a period greater than 6 months as required however; no manure is currently stored on site. The current arrangement is to continue with the new development.

Soiled Water

Currently, soiled water is collected from the three existing houses in soiled water tanks located at the front end of house No. 1 and at the lower end of house No. 2 and 3. There is a natural fall in the concrete yard in front of all 3 houses which drains clean surface water to a soak pit directly in front of house No. 1. The applicant stated that if the tanks are getting full he spreads the liquid on his adjoining land or mixes the soiled water in the cattle slurry tank and it is subsequently spread on the family land surrounding the site in accordance with the Nitrates Directive. There is however no high level monitors on the soiled water tanks belonging to house No. 2 and 3. If the tanks were to overflow it may adversely affect the water quality in the water course directly to the rear of the site.

It is recommended that all soiled water tanks including the tank associated with the new development have high level monitors installed.

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 also recommended that the applicant take all precautions during de-stocking and clean down to ensure that soiled water does not contaminate the clean surface water soak pit located beside house No. 1. It would be advisable that the applicant install a diversion system to divert clean surface water to the soak pit and any soiled water to the soiled water tank located beside the soak pit.

Surface Water

Storm water and surface water are generated from the roofs of the poultry units and yards respectively. Storm water is drained by natural means from the roofs of the existing poultry houses via a guttering system to a stone drainage system and then discharged to a soak pit which in turn is discharged to a land drain. The surface water associated with the yard to the front of the existing poultry houses is drained to a separate collection point that being a soak pit. The land drain discharge point associated with the storm water from the roofs is not identified in the EIS nor was it adequately identified on site.

It is recommended that the applicant clearly identify all clean surface and storm water discharge points including grid references for the purpose of monitoring and sampling.

There is currently no surface water quality monitoring scheme put in place by the applicant to determine water quality at the discharge point.

It is recommended that a surface water quality monitoring scheme is put in place as per licence. Periodic water quality monitoring of relevant parameters as per licence.

There has been no sampling by the applicant of groundwater in the neighbourhood of the site to establish baseline conditions of groundwater quality.

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. This is particularly important when considering the significant increase in production.

Water Supply

The facility is supplied by Stranooden Group Water Scheme. The applicant has stated that the water supply is tested regularly as per the Bord Bia requirements.

The applicant advised that there is a bored well on site however it is not currently being used to supply water to the facility. If the applicant decides to start using the well again then:

It is recommended that the well water is tested and a groundwater protection plan be drawn up 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.

Waste

There is adequate storage facilities provided for the storage of dead bird carcasses on site. The applicant advised that the carcasses are removed every two weeks, or more often if necessary, by College Protein however, the EIS appendix 6 states that it is Michael Galligan, Gortnaleck, Ballyconnell Co Cavan who fulfills this role and again the Technical Summary gives a different address for Michael Galligan than that in appendix 6. Other waste will be disposed of at Monaghan Co. Co. amenity centre or recycled.

Odour

Emissions to atmosphere from this facility include normal respiration gases and odours emitted from the poultry houses. Increased emissions may at times be associated with the loading of poultry manure from the existing poultry units once every 6-8 weeks for around 4 hours per house. At the time of the site visit odour levels appeared acceptable for this type of farming activity. This office is not aware of any odour complaints regarding this facility.

It is recommended however that the applicant monitor odour from the facility closely particularly when the new development becomes active.

Noise

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. At the time of the site visit noise levels appeared acceptable for this type of farming activity. This office is not aware of any noise complaints regarding this facility.

It is recommended however that the applicant monitor noise closely particularly during the construction phase of the proposed development.

Pest Control

Pest control measures are carried out by the applicant. A visual inspection of the bait boxes was carried out. The boxes were in good condition and located at regular intervals around the houses. The applicant advised that records of pest control measures are maintained on site. The applicant plans to apply the same pest control measures to the new development.

It is recommended that the applicant's license include conditions regarding maintenance of pest control measures on site and that these measures are applied to the proposed new development.

Conclusion:

The facility is operated in a very efficient manner by the applicant. Other than the issues stated above, the HSE have no further concerns at this time regarding this facility.

Yours faithfully,


Barry Coady
Environmental Health Officer

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