



Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

SUBMISSION NO. 1

Environmental Health Service
HSE Dublin/North East
Cavan and Monaghan
The Arcade
Main Street
Cavan
Co Cavan

Tel No: +353 (0) 49 4373418
Fax No: +353 (0) 49 4373427

Ref/ BC/CO'D / EHIS Ref: 0643

02 August 2017

Ms Liz Leacy
Office of Climate, Licensing & Resource Use
Environmental Protection Agency
Headquarters P.O. Box 300
Johnstown Castle Estate
Co. Wexford.



Re; Application for an 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. John Sheridan, Maghernacaldry, Cootehill, Co Cavan.

Ref. No: P1058- 01

Dear Ms Leacy,

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 10 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.

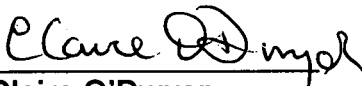
- The assessment is based on an assessment of documentation submitted to this office.
- A site visit was conducted on 27 July 2017.
- All commitments to future actions including mitigation and further testing have been taken as read and all data results have been accepted as accurate.
- No additional 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



Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

Environmental Health Service
HSE Dublin/North East
Cavan and Monaghan
The Arcade
Main Street
Cavan

Tel: 049 4373418
Fax: 049 4373427

02 August 2017

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

Re: Application for 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. John Sheridan, c/o Mr Padraic Fay, CLW Environmental Planners Ltd, The Mews, 23 Farnham Street, Cavan.

Location of Facility: Maghernacaldry, Cootehill, Co. Cavan.

Ref. No: P1058-01

EHIS Ref: 0643

Dear Claire,

I refer to an application for an IPPC licence for a proposed extension No. 2 existing poultry production units and a proposed new poultry unit on the same site belonging to the above named applicant. The IPPCL application for these units was submitted to the EPA on the 27 June 2017. There is currently 2 fully operational poultry houses to accommodate 39,700 broilers onsite. The applicant is proposing to construct an additional poultry house and extend the two existing units which will increase capacity to 104,700 broilers on site.

The following are observations made whilst reviewing the EIS and related documents in conjunction with EPA guidance documents and associated Legislation. Further observations were made during a site visit and discussions with Mr. John Sheridan, on 27 July 2017.

Site Location

The nearest non-family neighbour is located more than 100m from the site. 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

There is currently no suitable storage area for manure on site however; all manure is collected by the contractor Mr Eamon Fitzpatrick, Clonavilla, Clones, Co. Monaghan who removes the manure for tillage use.

Water Supply

There is currently one source of water supplying the facility, Barraghy Group Water Scheme. The applicant does not intend to bore a well as stated in 8.4 of the EIS. The applicant stated that the water is tested every 6 months in line with Bord Bia requirements. This department is not aware of any issues with this water supply.

Wash Water

There is currently no facilities to collect wash water from the existing poultry units as the extension of both houses is underway and the original wash water tank, which serviced both existing poultry units, had to be removed. The applicant is in the process of constructing two new wash water tanks to service both poultry units.

The extension and the wash water tanks will not be operational before the next removal of birds for meat production. The applicant has stated that when he is cleaning out the two existing poultry houses he intends to collect all wash water with a front loader on his tractor.

It is recommended that the applicant take all due care when collecting wash water as there is the potential to contaminate ground water during this process.

The applicant has no system in place to separate soiled and clean surface water running off the front concrete yard where the loading of birds takes place. Possible contamination may arise during the removal of birds off site, particularly during wet weather, where clean surface water and soiled water may mix and both drain into the clean surface water gully which is then discharged to a field drain.

It is recommended that the applicant ensures that in any future development that soiled water and clean surface water are drained separately.

The applicant stated that when the two new wash water tanks are operational and are reaching their capacity, the tanks will be emptied and mixed in the cattle slurry tank and it is then subsequently spread on the family land surrounding the site at the appropriate time of the year and in accordance with the Nitrate directive.

It is recommended that the applicant install high level monitors on the proposed wash water tanks in order to minimize the risk of unintentional overflow.

It is further 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.

The applicant is proposing to construct additional wash water tanks to facilitate the new extensions and the new poultry house.

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.**

Storm Water / Surface Water

Storm water from the roofs and the yards drains directly onto the surrounding concrete yards and discharged to a field drain via gullies. The current roof water drainage system is not identified in any Appendices. Clean surface water from the concrete yard located at the front end of the existing poultry house is drained via a natural fall to a piped drainage system and directly discharged to a land drain located on the boundary of the applicants land to the front of the existing poultry houses. There was no evidence at the time of the visit to suggest that the clean surface water is being contaminated however due care should be taken when birds are being removed from the house as there is the potential for contamination of surface water at that stage particularly during wet weather. The clean surface water discharge points are not identified on the EIS nor are the discharge points identified by the applicant on site.

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.

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.

There is currently no surface water quality monitoring scheme in place to determine water quality at the discharge points.

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

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 the contractor Mr. Michael Galligan, Gortnaleck, Ballyconnell, Co. Cavan.

Odour

Emissions to atmosphere from this farm include normal respiration gases and odours emitted from the houses and from the manure.

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. The applicant stated that there have been no complaints regarding odour nor is this office aware of any odour complaints regarding this facility.

It is recommended that the applicant be advised to continue to monitor odour from the installation in light of the proposed increase in production.

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

It is recommended that the applicant be advised to continue to monitor noise from this installation in light of the proposed increase in production and particularly during the construction phase.

Pest Control

Pest control measures are carried out by the applicant in line with Bord Bia requirements. A visual inspection of the bait boxes was carried out. The boxes were located at regular intervals around the houses however the applicant was unable to locate the key for the boxes to determine if the boxes had been baited. Records of pest control measures are being maintained by the applicant on site.

It is recommended that the applicant ensures the same pest control measures are applied to the proposed extensions and the new poultry house and that the bait boxes continue to be monitored regularly to ensure an adequate amount of bait is present in the boxes and that pest control records and measures continue to be maintained by the applicant on site.

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

For inspection purposes only.
Consent of copyright owner required for any other use.