



Integrated Pollution Prevention and Control Licensing

Application Form Pig & Poultry Sector

EPA Reg. N^o: <i>(Office use only)</i>	<input type="text"/>
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This document does not purport to be and should not be considered a legal interpretation of the provisions and requirements of the EPA Acts 1992 and 2003.

Environmental Protection Agency
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Environmental Protection Agency

Application for an Integrated Pollution Prevention and Control Licence

Environmental Protection Agency Acts, 1992 and 2003.

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INTRODUCTION

A valid application must contain the information prescribed in the Environmental Protection Agency (Licensing) Regulations, 1994 to 2004. **The applicant is strongly advised to read the *Application Guidance Notes for Pig & Poultry Integrated Pollution Prevention and Control Licensing*, available from the EPA.**

The applicant must conform to the format set out in the guidance notes for applications (available from the EPA). Each page of the completed application form must be numbered, e.g. *page 5 of 45*, etc. Also duplicated pages from the application form should be uniquely numbered, e.g. page 5(i) of 45, etc. **The basic information should for the most part be supplied in the spaces given in application form** and any supporting documentation should be supplied as attachments, as specified. Consistent measurement units must be used throughout.

The applicant should note that the application form has been structured so that it requires information to be presented in an order of progressive detail.

When it is found necessary, additional information may be provided on supplementary attachments which should be clearly cross referenced with the relevant sections in the main document.

While all sections in the application form may not be relevant to the activity concerned, the applicant should look carefully through all aspects of the form and provide the required information, in the greatest possible detail.

All maps/drawings/plans must be no larger than A3 size and scaled appropriately such that they are clearly legible. In exceptional circumstances, where A3 is considered inadequate, a larger size may be requested by the Agency.

Information supplied in this application, including supporting documentation will be put on public display and open to inspection by any person. Should the applicant consider information to be confidential, this information should be submitted in a separate enclosure bearing the legend “ In the event that this information is deemed not to be held as confidential, it must be returned to”. In the event that information is considered to be of a confidential nature, then the nature of this information, and the reasons why it is considered confidential (with reference to the “ Access to Information on the Environment” Regulations) should be stated in the Application Form, where relevant.

CHECK LIST FOR ARTICLE 10 COMPLIANCE

Article 10 of the Environmental Protection Agency (Licensing) Regulations, 1994 to 2004 sets out the statutory requirements for information to accompany a licence application. The application form is designed in such a way as to set out these questions in a structured manner and not necessarily in the order presented in Article 10. In order to ensure a legally valid application in respect of Article 10 requirements please complete the following check-list.

Article 10(2)(a) give the name, address and telephone number of the applicant and, if different, any address to which correspondence relating to the application should be sent and, if the applicant is a body corporate, the address of its registered or principal office,

LOCATION	Section B.1	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (b) give -
- (i) in the case of an established activity, the number of employees and other persons working or engaged in connection with the activity on the date after which a licence is required and during normal levels of operation, or
 - (ii) in any other case, the gross capital cost of the activity to which the application relates,

LOCATION	Section B.4	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (c) give the name of the planning authority in whose functional area the activity is or will be carried on,

LOCATION	Section B.5	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (d) give the location or postal address (including where appropriate, the name of the relevant townland or townlands) and the National Grid reference of the premises to which the activity relates,

LOCATION	Section B.2	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (e) specify the relevant class or classes in the First Schedule to the Act to which the activity relates,

LOCATION	Section B.3	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (f) specify the raw and ancillary materials, substances, preparations, fuels and energy which will be produced by or utilised in the activity,

LOCATION	Section H	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (g) describe the plant, methods, processes, ancillary processes, abatement, recovery and treatment systems, and operating procedures for the activity,

LOCATION	Section D	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (h) indicate how the requirements of section 83(5)(a)(i) to (v) and (vii) to (x) of the Act shall be met, having regard, where appropriate, to any relevant specification issued by the Agency under section 5(3) of the Act and the reasons for the selection of the arrangements proposed,

LOCATION	Section L	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (i) give particulars of the source, nature, composition, temperature, volume, level, rate, method of treatment and location of emissions, and the period or periods during which the emissions are made or are to be made,

LOCATION	Section E	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (j) describe the arrangements for the prevention or minimisation of waste and, where waste is produced, the on and off site arrangements for the recovery or disposal of solid and liquid wastes,

LOCATION	Section H	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (k) specify, by reference to the relevant European Waste Catalogue codes as prescribed by Commission Decision 2000/532/EC of 03 May 2000, the quantity and nature of the waste or wastes produced or to be produced by the activity,

LOCATION	Section H	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (l) provide:
- (i) details, and an assessment, of the impacts of any existing or proposed emissions on the environment, including on an environmental medium other than that or those into which the emissions are or are to be made, and
- (ii) details of the proposed measures to prevent or eliminate, or where that is not practicable, to limit, reduce or abate emissions,

LOCATION	Section I & F	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (m) identify monitoring and sampling points and outline proposals for monitoring emissions and the environmental consequences of any such emissions,

LOCATION	Section F	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (n) describe the condition of the site of the installation,

LOCATION	Section I.3	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (o) describe in outline the main alternatives, if any, to the proposals contained in the application which were studied by the applicant,

LOCATION	Section I.8	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (p) specify the measures to be taken to comply with an environmental quality standard where such a standard requires stricter conditions to be attached to a licence than would otherwise be determined by reference to best available techniques,

LOCATION		
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (q) describe the measures to be taken for minimising pollution over long distances or in the territory of other states,

LOCATION	Section I	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (r) describe the measures to be taken under abnormal operating conditions, including start-up, shutdown, leaks, malfunctions, breakdowns and momentary stoppages,

LOCATION	Section J	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (s) describe the measures to be taken on and following the permanent cessation of the activity or part of the activity to avoid any risk of environmental pollution and to return the site of the activity to a satisfactory state,

LOCATION	Section K	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (t) include any other information required under Article 6(1) of Council Directive 96/61/EC of 24 September 1996 concerning integrated pollution prevention and control,

LOCATION	Section G & I	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

- (u) include a non-technical summary of information provided in relation to the matters specified in paragraphs (f) to (v) above,

LOCATION	Section A	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

Article 10(3) Without prejudice to Article 12(1), an application for a licence shall be accompanied by -

- (a) a copy of the relevant page of the newspaper in which the notice in accordance with article 6 has been published,

LOCATION	Attachment B.7	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

(b) a copy of the text of the site notice erected or fixed on the land or structure in accordance with article 7,

LOCATION	Attachment B.7	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

(c) a copy of the notice given to the planning authority under section 85(1)(a) of the Act,

LOCATION	Attachment B.7	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

(d) a copy of such plans, including a site plan and location map, and such other particulars, reports and supporting documentation as are necessary to identify and describe -

(i) the activity

LOCATION	Attachment B.2 & D	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

(ii) the position of the site notice in accordance with article 7,

LOCATION	Attachment B.7	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

(iii) the point or points from which emissions are made or are to be made, and

LOCATION	Attachment E	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

(iv) monitoring and sampling points, and

LOCATION	Attachment F.2	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

(e) a fee specified in accordance with section 94 of the Act.

LOCATION		
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

Article 10(4)(b) A signed original and 2 hardcopies of the application and accompanying documents/particulars in hardcopy format plus 2 copies of all files in electronic searchable PDF format on CD-Rom shall be submitted to the headquarters of the Agency.

In cases where an E.I.S. is required to be submitted to the Agency in support of the application, a signed original and 2 hardcopies of the EIS plus 16 copies of all files in electronic searchable PDF format on CD-Rom shall be submitted to the headquarters of the Agency.

LOCATION		
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

CD version PROVIDED Y/N		
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

SECTION A NON-TECHNICAL SUMMARY

Non-Technical Summary of IPC Licence Application

A non-technical summary of the application is to be included here. The summary should identify all environmental impacts of significance associated with the carrying on of the activity/activities, and describe mitigation measures proposed or existing to address these impacts. This description should also indicate the normal operating hours and days per week of the activity.

The following information must be included in the non-technical summary:

A description of:

- the installation and its activities,
- the raw and auxiliary materials, other substances and the energy used in or generated by the installation,
- the sources of emissions from the installation,
- the conditions of the site of the installation,
- the nature and quantities of foreseeable emissions from the installation into each medium as well as identification of significant effects of the emissions on the environment,
- the proposed technology and other techniques for preventing or, where this not possible, reducing emissions from the installation,
- where necessary, measures for the prevention and recovery of waste generated by the installation,
- further measures planned to comply with the general principles of the basic obligations of the operator i.e.
 - (a) all the appropriate preventive measures are taken against pollution, in particular through application of the best available techniques;
 - (b) no significant pollution is caused;
 - (c) waste production is avoided in accordance with Council Directive 75/442/EEC of 15 July 1975 on waste; where waste is produced, it is recovered or, where that is technically and economically impossible, it is disposed of while avoiding or reducing any impact on the environment;
 - (d) energy is used efficiently;
 - (e) the necessary measures are taken to prevent accidents and limit their consequences;
 - (f) the necessary measures are taken upon definitive cessation of activities to avoid any pollution risk and return the site of operation to a satisfactory state.
- measures planned to monitor emissions into the environment.

Supporting information should form **Attachment N^o A.1**

SECTION B GENERAL

B.1. Owner/Operator

Name
* Applicants Name: _____

Address: _____
Address

_____ *Address*

_____ *Address*

Telephone N^o: _____ Fax N^o: _____

e-mail : _____

* This should be the name of the applicant on the date the Application is lodged with the Agency. This should be the name of the legal entity (which can be a limited company or a sole trader). A trading/business name is not acceptable.

Address for correspondence : _____ *As above*
(if different from above)

Address of Body Corporate : _____ *N/A*
(if applicable)

e-mail : _____

The applicant must also supply the following:

- (a) Certified Copy of Certificate of Incorporation
- (b) Company's Number in Company's Registration Office and
- (c) Particulars of Registered Office of the Company

Name and address of the proprietor(s) of the Land on which the Activity is situated (if different from applicant named above).

Proprietor's Name: _____ *Name* _____

Address: _____

Name and address of the owner(s) of the building and ancillary plant in which the activity is situated (if different from applicant named above).

Name: _____ *As above* _____

Address: _____

B.2. Location of Activity (Complete for Each site)

Name: _____

Full Address: _____

Telephone N^o: _____ Fax N^o: _____

Contact Name(s): _____ Mr/Ms.

Position(s): _____ Site manager

e-mail : _____

National Grid Reference (12 digit-6E,6N) _____

Location maps (no larger than A3), with grid references should be enclosed in **Attachment N^o B.2.**

See attached:

- 1-50000 (location map)
- 1-2500 (outline boundary in red)
- Site map

B.3. Class of Activity

Identify the relevant activities in the First Schedule to the EPA Acts 1992 and 2003 to which the activity relates :

Schedule	Class	Description ^{Note 1}
<i>New First Schedule to EPA Act 1992 as amended by POE Act 2003.</i>	<i>6.1</i>	<i>The rearing of poultry in installations, whether within the same complex or within 100 metres of the same complex, where the capacity exceeds 40,000 places.</i>

Note 1: In order to give a precise identification **select only those words** from the description of the class or classes that best describes the nature of the activity for which the licence is being applied for.

B.4. Employees/ Capital Cost

Give-

(i) In the case of an established activity, the number of employees and other persons, working or engaged in connection with the activity on the date after which a licence is required and during normal levels of operation, or

(ii) In any other case, the gross capital cost of the activity to which the application relates.

Number of Employees (existing facilities): _____

Gross Capital Cost (new proposals) € _____

B.5. Relevant Planning Authority

Give the name of the planning authority in whose functional area the activity is or will be carried out.

Name: County Council

Address: _____

Telephone N^o: _____

Planning Permission for this installation :-

Obtained Is being processed Not applied for

Local Authority Planning File Reference N^o: _____

Attachment N^o B.5 should contain a schedule of all planning permissions. For existing activities, all licences and permits past and present in force at the time of application should be submitted.

B.6. Relevant Health Board Region

The applicant should indicate the Health Board Region where the installation is or will be located.

Name: _____

Address: _____

Telephone N^o: _____

B.7. Site Notice, Newspaper Advertisement and Planning Authority Notice.

Give the position of the site notice in accordance with article 7 of the Regulations.

Attachment N^o B.7 should contain:

- a copy of the text of the site notice, a map (no larger than A3) showing its location on site and
- a copy of the newspaper advertisement .
- A copy of the notice given to the Planning Authority should also be included.

B.8 IPPC Directive

Specify whether the facility is a category of industrial activity referred to in Annex I of the IPPC Directive (96/61/EC) and if yes specify the category.

Supporting information should be included in **Attachment N^o B.8**.

Category 6.6a of Annex 1 of IPPC directive for the capacity exceeds 40,000 places.

SECTION C MANAGEMENT OF THE INSTALLATION

C.1 Site Management & Control

Details should be provided on the management structures for the activity and any quality control systems.

This information should form **Attachment N^o C**.

*This facility is owned by **NAME & ADDRESS**. The manager on-site who is also the responsible person on-site is **NAME**.*

The main activities at this facility occur during normal working hours between 08.00 a.m. and 20.00 p.m. Stock inspections in line with normal farming practices are carried out everyday including weekends and holidays. Automatic feeding and ventilation systems will operate on a 24-hour basis and in addition, essential activities may be carried out outside of core working hours.

SECTION D INFRASTRUCTURE & OPERATION

D.1. Operational Information Requirements

Describe the plant, methods, processes, abatement, recovery and treatment systems, and operating procedures for the activity, and include a copy of such plans, drawings or maps, (site plans and location maps, process flow diagrams – no larger than A3), and such other particulars, reports and supporting documentation as are necessary to describe all aspects of the activity. Provide a description of the housing and ventilation system employed on-site.

Introduction

The objective of the activities carried out at this facility are: to make a profit through the rearing of birds, specifically bred for efficient poultry meat production, from day olds until they are removed off site to the processing facility. This must be carried out as efficiently and economically as possible. In poultry production, this is achieved by the efficient use of inputs (especially feed) and the best housing and management to sell the maximum output of lean carcass meat to the processing factory. To achieve this objective requires:

- 1. Have efficient food conversion ratio (feed to lean meat conversion)*
- 2. Have fast growth rate to slaughter weight.*
- 3. Operate according to current Environmental Legislation.*

To maximise output the following are essential elements for the success of the enterprise;

- 1. Genetic potential of the stock*
- 2. Minimal disease status*
- 3. Good quality buildings and environments.*
- 4. High quality feeds.*
- 5. Good management and stockmanship.*

Size of Development

*The layout of these yards is shown on the layout plan contained in **Attachment 9.1***

The activity on the site is the rearing of poultry in a licensable installation/facility. The facility is located in a rural area. The installation comprises animal houses, ancillary structures and equipment necessary for the accommodation, management and husbandry of the animals, and the administration of the enterprise. The structures and equipment on the site were designed and installed for the purpose of rearing poultry for sale off the site. The farm will have the capacity to accommodate 00000 places. While production on the site is continuous, the presence of operative staff and deliveries / collections are normally between 06.00 and 20.00 hours. Ventilation and feeding operations are continuous on site.

The principal inputs are feed which is supplied by the processor (e.g. cereals, soya protein), water, veterinary medicines and a modest amount of energy (electricity and heating oil/gas) for heating. Feed is supplied by the processor from the animal feed industry. Water for stock and for washing is acquired from a private well on the site. Animal houses will be insulated to minimise use of heating fuel. The outputs are chickens (primary product) and animal manure (by-product).

Some animals die of natural causes before maturity. Dead animal carcasses are placed in a closed skip on the farm before being transported to a rendering plant by a contractor. There is a programme in place for the control of vermin and pests in the site. There is no significant pollution caused by the activity. It is policy to minimise waste accumulation and to recycle as much as possible, but the recyclable volume is small.

Storm water from roofs and paved yards is not permitted to flow over soiled areas and is discharged to a monitoring point identified as SW1 on site layout plan. This monitoring point will be visually inspected weekly. There is no process effluent discharge from the site. Normal respiration gasses and odours emit from the animal houses and from animal manure, particularly during movement of the manure. Odours emitted from the site will not interfere with amenities outside the site boundary.

The structures and equipment on the site are in good serviceable condition and will be maintained that way. The practices and technology used in the site for the rearing of stock and for the control of emissions from the installation are the best available that the enterprise can afford.

Poultry manure is a rich source of plant nutrients and is a valuable fertiliser for farmland. Poultry manure from this site will be utilized as a fertilizer source in accordance with the regulations set out in Statutory Instruments S.I. No 378 of 2006 for the purposes of efficient grass/crop production. All of the required information to be maintained as outlined in S.I 378 of 2006 will be kept by the IPPC license applicant. The license applicant will also provide all required details to the farmer receiving the organic fertilizer.

In certain situations the organic manure from this site may be removed from the site for composting and used in the mushroom industry. Should this occur all the relevant records will be maintained.

If activity on the site were to cease, arrangements would be made so that the cessation would be integrated with normal production. The house would simply not be refilled after the last batch of birds was removed. At this stage all litter/organic manure would be removed as per normal practice. It would be organised so that at this stage the minimum amount of inputs are present on site. All remaining inputs will be returned to the supplier where possible; otherwise all materials will be disposed of from the site in accordance with IPPC license requirements.

Minimal Disease Status*Minimum disease status*

The day old chicks are delivered from the hatchery where they have been hatched under clean hygienic conditions. The birds are moved into a clean house and all hygiene and biosecurity measures are taken to maintain this in so far as possible.

All stock entering the Unit will be free from all major diseases as the day old chicks are sourced from specialized supply farms. To minimise the risk of personnel bringing infection into either yard, all visitors are banned with the exception of essential personnel such as veterinarians and servicemen. All visitors must sign a register.

Designated lorries are used to deliver feed to the minimal disease units.

The final part of maintaining health within the unit is the necessity to fully clean out after each batch is removed. This avoids the build up of bacteria and viruses which challenge the incoming stock and which may affect their growth efficiency. On these units special emphasis has been laid on providing a system that ensures adequate time for cleaning, disinfection and resting between successive batches.

D.2. Development and Operational History of the Site

A development and operational history of the site should be included here.

*This facility is a poultry production unit, which has developed at this site since the late **sixties/seventies/eighties/ninties**. The activities on site involve the normal management, and monitoring of stock for the production of meat. Feeding and ventilation systems are fully automated. Staff on site carry out, record, and document all practices and duties necessary for the proper management and monitoring of this facility. This unit has operated as a **000000** place during that period.*

If a full and proper planning history is available full details should be given.

Attachment N^o D should contain a list of all unit operations (process) to be carried out, including a flow diagrams of each with any relevant additional information.

SECTION E EMISSIONS

E.1. Emissions to AtmosphereFugitive emissions.

Give summary details of fugitive and potential emissions (including Dust and Odour). Predict odour emissions from the activity and assess their impact off-site.

Full details and any supporting information should form **Attachment N^o E.1.**

Process emissions to the atmosphere from a conventional poultry farm include the expelling of warm air from the ventilation system in the buildings and odour and gas volatilization from the organic manure. Increased emissions may at times be associated with loading of poultry and/or the loading of poultry manure. The potential impact of poultry manure is deemed to be a minor issue due to the fact that it happens only once in every c.8 week cycle (6 weeks production plus 2 weeks empty). In any event it only takes c.4-6 hours to completely empty the litter from the house and have it removed from the site.

Control Measures to Minimise and Abate Odour on site at present

Emissions from this site are currently minimized using the following recommendations;

- *Litter management kept to a high standard.*
- *Adequate use of litter bedding material.*
- *Stocking density maintained at design level.*
- *Quality ventilation due to computerized/automated control.*
- *Quality house design with state of the art insulation standards.*
- *Minimisation of carcasses by keeping the flock health to the highest possible standard. As a result of this, mortality rates will be kept to a minimum. Any dead birds will be stored in covered leak proof containers awaiting collection by college proteins Ltd.*
- *The feed used on this unit has been formulated to the optimum crude protein levels thus minimizing nitrogen excretion. This will keep ammonia emissions from the ventilation system and from manure transport to a minimum.*
- *Water and feed systems will be maintained in optimum condition and operation so as to minimise water and feed wastage. This will have a significant effect on keeping any possible odour emissions from this facility as low as possible.*
- *The proposed/existing landscaping around the boundary of the site will help improve the attributes of the entire site as well as ensure that the proposed development has no adverse effect on the local environment.*

Proposed Measures to further Minimize and Abate Odour on site

As a result of the comprehensive management and other practices currently carried out on site, which is evidenced by the fact that in all the years of operation of this facility, there has not been a single complaint regarding odour emanating from this site, no additional measures are deemed to be required. It will be ensured by the applicant that all current, management practices are continued and improved upon where possible so as to attempt to minimize any potential odour emissions.

Should a complaint have been received in the past, it would be addressed on a site-specific basis.

E.2 Emissions to Surface Waters

Tables E.2(i) must be completed.

A summary list of the emission points, together with maps, drawings (no larger than A3) and supporting documentation should be included as **Attachment N^o E.2**.

All surface water runoff and storm water drains discharging to surface water bodies must be included. A National Grid References (10 digit, 5E, 5N) must be given for all discharge points. The identity and type of receiving water (river, ditch, estuary, lake, etc.) must be stated.

There will be one stormwater monitoring point to be visually inspected at each site. This is identified as SW1 on the site layout plans and drawings attached (Grid Ref: E N). All soiled surface water is diverted to the soiled water storage tanks, and clean water to the stormwater collection system.

E.3. Emissions to Ground

E.3.A. Storm water emissions to ground.

Table E.3(i) must be completed.

All surface water runoff and storm water drains discharging to ground must be included. A National Grid Reference (10 digit, 5E, 5N) must be given for all discharge points. The groundwater aquifer classification and vulnerability assessment must be included in Table E.3(i).

There is no discharge of stormwater from this facility to ground. Therefore this section is not relevant to this application.

E.3.B Landspreading

The applicant should supply details of the nature and quality of all substances (agricultural and non-agricultural waste) to be landspread (slurry, effluent, ash, sludges etc) as well as the proposed application rates, periods of application and mode of application (e.g., pipe discharge, tanker).

Full details and any supporting information should form **Attachment N^o E.3**.

Poultry manure generated at this facility which is not sent for composting will be utilized in accordance with the regulations set out in S.I. 378 of 2006, and all relevant information will be maintained on site for inspection at all reasonable times.

E.3.C Septic tanks/percolation area etc.

Summary details of all direct emissions onto or into the ground must be presented including percolation areas, septic tanks etc.

Full details as well as a summary list of the emission points or areas together with maps, drawings and supporting documentation should be included as **Attachment N^o E.3**. Details of effluent treatment/abatement systems should also be included, together with schematics as appropriate.

There is an existing septic tank for the disposal of domestic sewage from this site. The percolation area of the septic tank is a source of the emission to ground from this facility. The location of the septic tank and percolation area are marked on the Site Layout Plan.

OR

There is no septic tank located at this facility. The normal operations at this facility require 1-3 hours on site per day, which is effectively part-time. All necessary facilities are available at adjacent accommodation.

E.4 Noise Emissions

Give particulars of the source, location, nature, level, and the period or periods during which the noise emissions are made or are to be made.

Supporting information should form **Attachment N^o E.4**

For emissions outside the EPA Noise Guidance Note limit, a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits as set out in the guidance note.

There have been no complaints of noise emissions for this facility to date. The activities currently on site do not generate noise levels that could be detected at site boundary, similar to most poultry farms in the country.

This facility will not result in audible noise outside of acceptable limits at or beyond site boundary.

SECTION F CONTROL & MONITORING

Describe the proposed technology and other techniques for preventing or, where this is not possible, reducing emissions from the installation/facility.

Attachment N^o F.1 should contain any supporting information.

The main emissions from this activity may include noise and odour.

As previously stated it is not anticipated that noise and odour emissions from this farm will cause any significant concern. Noise and odour emissions from this farm will be minimized by implementing the comprehensive management practices currently employed on site. Most important of these are;

- *Ensuring houses and associated feeding and ventilation systems are well maintained.*
- *Ensuring houses are stocked at the correct rate.*
- *Ensuring that the licensable site is kept well maintained and clean.*
- *Ensuring that all houses are properly cleaned between each batch.*

F.1: EMISSIONS MONITORING AND SAMPLING POINTS

Identify monitoring and sampling points and outline proposals for monitoring **emissions**. Table F.1(i) should be completed (where relevant) for air emissions, for emissions to surface waters, for emissions to sewers, for emissions to ground, and for waste emissions.

Include details of monitoring/sampling locations and methods.

Attachment N^o F.1 should contain any supporting information

Surface water monitoring points will be identified on-site and referenced on the site plan.

SECTION G RESOURCE USE AND ENERGY EFFICIENCY

G.1 Give a list of the raw and ancillary materials, substances, preparations, medicines, disinfectants, fuels and energy which will be produced by or utilised in the activity.

The list(s) given should be very comprehensive, all materials used, fuels, intermediates, laboratory chemicals and product should be included. The listings should include quantities typically stored at the site and annual throughput. Particular attention should be paid to feed materials used at the site. Supporting evidence of the nutritional composition of these feeds should be included.

Provide copies of European MSDS Sheets for all chemicals used on-site.

G.2 Energy Efficiency

A description of the energy used in or generated by the activity must be provided. Outline the measures taken to ensure that energy is used efficiently and where appropriate, an energy audit with reference to the EPA Guidance document on Energy Audits should be carried out.

Supporting information should be given in **Attachment N° G**

Details of energy usage are maintained on site, including heating oil/electricity/gas. In order to ensure the future viability of this facility it is imperative that all costs are minimized. All equipment therefore is serviced regularly where relevant, and a watchful eye is maintained on energy usage trends.

SECTION H MATERIALS HANDLING

H.1 Raw Materials, Intermediates and Product Handling

Details of the location, storage conditions (fridge, locked cabinet etc.), segregation system, transport of material within the site, solid, liquid or sludge transported by pipe, vehicle or conveyor any analysis required where relevant should be supplied in **Attachment N^o.H.1** including references to the most recent testing of bunded structures, tanks and pipelines.

Raw materials

The raw materials used in the poultry farm are, Feed, Heating Oil/Gas, Medication, electricity, and water.

About 000 tonnes of feed will be used annually on site, and 000 M³ of water in the production of meat. All feeds are supplied by the processor on a dry basis, thereby negating any requirement for bunding of liquid feed systems.

The average volume of heating oil used on site will be 000 litres. The veterinary medicines usage on site is minimized by restricting access to the site by unnecessary personnel, and maintaining the site as, a minimal disease unit.

It is anticipated that approx 0000 units of electricity will be utilized per annum on site, and 0000 litres of heating oil in the production of poultry.

Products

The two products produced from this activity are:

- *Chickens (for the poultry processing sector)*
- *Organic fertilizer (to be used as an organic fertilizer in accordance with S.I. 378 of 2006.*

Intermediates

The main raw materials feed and water are used to produce the main products (1) poultry meat (liveweight gain) and (2) organic fertilizer. All remaining raw materials such as energy, medication, etc. are required for the management and husbandry of the flock. The finished stock from this facility is transported to a processing facility for slaughter. Poultry manure is utilized by farmers in the area in accordance with the regulations set out in Statutory Instruments S.I. 378 of 2006. The average nutrient content of the poultry manure is as per table 8 of S.I. 378 of 2006 is 11 Kgs N/Tonne and 6 Kgs P/Tonne.

H.2 Waste Handling

Describe the arrangements for the recovery or disposal of solid and liquid wastes generated by the installation/facility.

For each waste material, give full particulars of;

- | | |
|--|--------------------------------------|
| (a) Name | <i>Domestic Refuse</i> |
| (b) Description & nature of waste | <i>Canteen waste & packaging</i> |
| (c) Source | <i>Work areas and canteen</i> |
| (d) Where stored and integrity/
impermeability of storage areas | <i>Bin on site</i> |
| (e) Amount (m ³) and tonnage | <i>0.0 Tonne (Approx)</i> |
| (f) Period or Periods of generation | <i>continuously</i> |
| (g) Analysis (include test methods and Q.C.) | <i>N/A</i> |
| (h) European Waste Catalogue Code | <i>20 03 01</i> |
| (i) Waste Category per EC Reg 1774/2002/EC where relevant | |

Where any waste would be classified as Hazardous Waste as defined in the Waste Management Acts, 1996 to 2003, this should be made clear in the information provided.

Describe the arrangements for the prevention and recovery of waste generated by the activity.

Summary Tables H.1(i) should also be completed, as appropriate, for each waste. The licence/permit register number of the waste collection agent or disposal/recovery operator should be supplied as well as the expiry date of the relevant permits

Supporting information should form **Attachment N^o H.**

This waste is stored in a covered area on site and removed regularly.

H.3 Waste Handling

Describe the arrangements for the recovery or disposal of solid and liquid wastes generated by the installation/facility.

For each waste material, give full particulars of;

- | | |
|--|---|
| (a) Name | <i>Veterinary waste containers</i> |
| (b) Description & nature of waste | <i>Empty medicine containers
(Rinsed out)</i> |
| (c) Source | <i>Vet, Chemist, Animal houses</i> |
| (c) Where stored and integrity/
impermeability of storage areas | <i>Bins on site, domestic refuse</i> |
| (e) Amount (m ³) and tonnage | <i>0.0 tonne
Domestic refuse</i> |
| (f) Period or Periods of generation | <i>continuously</i> |
| (g) Analysis (include test methods and Q.C.) | <i>N/A</i> |
| (h) European Waste Catalogue Code | <i>02 01 99</i> |
| (i) Waste Category per EC Reg 1774/2002/EC where relevant | |

Where any waste would be classified as Hazardous Waste as defined in the Waste Management Acts, 1996 to 2003, this should be made clear in the information provided.

Describe the arrangements for the prevention and recovery of waste generated by the activity.

Summary Tables H.1(i) should also be completed, as appropriate, for each waste. The licence/permit register number of the waste collection agent or disposal/recovery operator should be supplied as well as the expiry date of the relevant permits

Supporting information should form **Attachment N^o H.**

This waste is stored in a covered storage area on site, and removed regularly.

H.4 Waste Handling

Describe the arrangements for the recovery or disposal of solid and liquid wastes generated by the installation/facility.

For each waste material, give full particulars of;

- | | |
|---|-----------------------------|
| (a) Name | <i>Animal tissue waste</i> |
| (b) Description & nature of waste | <i>Dead stock</i> |
| (c) Source | <i>Animal Houses</i> |
| (d) Where stored and integrity/
impermeability of storage areas: | <i>Covered Skip on site</i> |
| (e) Amount (m ³) and tonnage | <i>0.0 Tonne (approx)</i> |
| (f) Period or Periods of generation | <i>continuously</i> |
| (g) Analysis (include test methods and Q.C.) | <i>N/A</i> |
| (h) European Waste Catalogue Code | <i>02 01 02</i> |
| (i) Waste Category per EC Reg 1774/2002/EC where relevant | |

Where any waste would be classified as Hazardous Waste as defined in the Waste Management Acts, 1996 to 2003, this should be made clear in the information provided.

Describe the arrangements for the prevention and recovery of waste generated by the activity.

Summary Tables H.1(i) should also be completed, as appropriate, for each waste. The licence/permit register number of the waste collection agent or disposal/recovery operator should be supplied as well as the expiry date of the relevant permits

Supporting information should form **Attachment N^o H.**

*Carcasses are regularly collected from this facility and delivered to a licensed rendering plant at: **Insert name of rendering plant here?***

H.5 Waste Handling

Describe the arrangements for the recovery or disposal of solid and liquid wastes generated by the installation/facility.

For each waste material, give full particulars of;

- (a) Name *Fluorescent lighting tubes*
- (b) Description & nature of waste *Used fluorescent tubes*
- (c) Source *lights throughout unit*
- (d) Where stored and integrity/impermeability of storage areas: *Designated container*
- (e) Amount (m³) and tonnage *00 approx per annum*
- (f) Period or Periods of generation *Continuously*
- (g) Analysis (include test methods and Q.C.) *N/A*
- (h) European Waste Catalogue Code *20 01 21* **Hazardous***
- (i) Waste Category per EC Reg 1774/2002/EC where relevant

Where any waste would be classified as Hazardous Waste as defined in the Waste Management Acts, 1996 to 2003, this should be made clear in the information provided.

Describe the arrangements for the prevention and recovery of waste generated by the activity.

Summary Tables H.1(i) should also be completed, as appropriate, for each waste. The licence/permit register number of the waste collection agent or disposal/recovery operator should be supplied as well as the expiry date of the relevant permits

Supporting information should form **Attachment N^o H.**

H.6 Waste Handling

Describe the arrangements for the recovery or disposal of solid and liquid wastes generated by the installation/facility.

For each waste material, give full particulars of;

- | | |
|--|-------------------------------------|
| (a) Name | <i>Poultry Manure</i> |
| (b) Description & nature of waste | <i>Poultry Manure</i> |
| (c) Source | <i>Poultry House</i> |
| (d) Where stored and integrity/
impermeability of storage areas | <i>Manure storage tanks on site</i> |
| (e) Amount (m ³) and tonnage | <i>000 m³/Tonnes</i> |
| (f) Period or Periods of generation | <i>continuously</i> |
| (g) Analysis (include test methods and Q.C.) | <i>Avg; N Kgs/M3, P Kgs/M3,</i> |
| (h) European Waste Catalogue Code | <i>02 01 06</i> |
| (i) Waste Category per EC Reg 1774/2002/EC where relevant | |

Where any waste would be classified as Hazardous Waste as defined in the Waste Management Acts, 1996 to 2003, this should be made clear in the information provided.

Describe the arrangements for the prevention and recovery of waste generated by the activity.

Poultry manure from this site is only considered to be a waste when it is removed for further processing such as composting.

Summary Tables H.1(i) should also be completed, as appropriate, for each waste. The licence/permit register number of the waste collection agent or disposal/recovery operator should be supplied as well as the expiry date of the relevant permits

Supporting information should form **Attachment N^o H.**

SECTION I EXISTING ENVIRONMENT & IMPACT OF THE ACTIVITY

Describe the conditions of the site of the installation

Provide an assessment of the effects of any emissions on the environment, including on an environmental medium other than that into which the emissions are made.

Describe, where appropriate, measures for minimising pollution over long distances or in the territory of other states.

I.1. Assessment of atmospheric emissions

Give summary details and an assessment of the impacts of any existing or proposed air emissions i.e. dust and odour, on the environment, including environmental media other than those into which the emissions are to be made. Give details of all **odour** control measures used to minimise and abate odour.

Identify all residential dwelling houses and sensitive locations within 1 km and sensitive areas or areas of special interest within 5km of the activity and predict the extent of odour emissions from the activity.

Attachment N^o I.1 should also contain full details of any dispersion modelling of atmospheric emissions from the activity, where required.

A site location map is attached based on a Discovery Series OS (Scale 1:50000), with the site location of this facility marked thereon.

I.2 Assessment of impact of ground emissions

Describe the existing groundwater quality at the site of the activity. Tables I.2 (i) should be completed. Assess the impact due to contaminated discharges from otherwise clean discharges.

Not applicable to this site.

Landspreading of Agricultural Manures

Tables I.2 (ii) and I.2.(iii) should be complete where applicable. Further information is available in the Application Guidance Document.

I.3 Ground and/or groundwater contamination

Summary details of known ground and/or groundwater contamination, historical or current, on or under the site must be given.

Full details including all relevant investigative studies, assessments, or reports, monitoring results, location and design of monitoring installations, plans, drawings, documentation, including containment engineering, remedial works, and any other supporting information should be included in **Attachment N^o I.3**.

There has been no historical contamination of groundwater at this site. This site is maintained in a clean and proper manner.

I.4 Noise Impact.

A map (no larger than A3) of the site and surrounding area should be supplied, indicating the main sources of noise on site. Give details of the impacts of any existing or proposed noise emissions on the environment, including environmental media other than those into which the emissions are to be made.

This information should be **Attachment N° I.4.**

Due to the nature of site activities at a poultry facility, noise is not an issue at these facilities at or beyond the site boundary.

I.5 Environmental Considerations and BAT

Describe in outline the main alternatives, if any, to the proposals contained in the application.

Describe any environmental considerations which have been made with respect to the use of cleaner technologies, waste minimisation and raw material substitution.

Describe the measures proposed or in place to ensure that:

- (a) The best available techniques are or will be used to prevent or eliminate or, where that is not practicable, generally reduce an emission from the activity;
- (b) no significant pollution is caused;
- (c) waste production is avoided in accordance with Council Directive 75/442/EEC of 15 July 1975 on waste; where waste is produced, it is recovered or, where that is technically and economically impossible, it is disposed of while avoiding or reducing any impact on the environment;
- (d) energy is used efficiently;
- (e) the necessary measures are taken to prevent accidents and limit their consequences;
- (f) the necessary measures are taken upon definitive cessation of activities to avoid any pollution risk and return the site of operation to a satisfactory state.

Supporting information should form **Attachment N° I.5.**

This facility is and will be operated in an efficient manner using optimum insulation to minimize energy usage and minimize animal loss, thereby minimizing overall waste generation. All other wastes generated are recycled wherever possible.

SECTION J ACCIDENT PREVENTION & EMERGENCY RESPONSE

Describe the existing or proposed measures, including emergency procedures, to minimise the impact on the environment of an accidental emission or spillage together with the provisions for response to emergency situations outside of normal working hours, i.e. during night-time, weekends and holiday periods.

Detail the emergency arrangements and procedures for dealing with a Class A disease outbreak.

Describe the arrangements for abnormal operating conditions including start-up, leaks, malfunctions or momentary stoppages.

Supporting information should form **Attachment N^o J**.

An Emergency Response Procedure has been put in place for this facility. A copy of this is attached.

This procedure sets out the contact numbers of all the key personnel on-site, who are the responsible people. It also identifies the emergency contact numbers of relevant contractors and specialists that may be required in the event of an emergency. It further includes contact numbers for local gardai, fire brigade and doctors.

This procedure is laminated and erected at a number of key locations around the facility. A register is in place to record all notifiable events on-site in the event of such an incident.

A farm safety statement has been drawn up for the farm.

SECTION K REMEDIATION, DECOMMISSIONING, RESTORATION & AFTERCARE

Describe the existing or proposed measures to minimise the impact on the environment after the activity or part of the activity ceases operation, including provision for post-closure care of any potentially polluting residuals.

Supporting information should be included as **Attachment N^o. K.**

If the enterprise had to cease operation, all feeding, animal production, poultry manure production and waste production would cease also. At such time there would be normal inputs still in stock (e.g. feed in bins and gas/oil in tanks, medicines, etc.) and there would be stock in houses, manure in tanks and also some of the wastes (dead animals, medicine containers) in their respective containers. All of those materials would then be disposed of or distributed in the same ways as was normal during the normal operation of the enterprise. Saleable stock would be sold to the usual outlet. All remaining feed, gas, oil and medicines would be returned/sold back to the respective suppliers. The buildings, once empty of stock would be washed clean and all dirty wash water would be spread on farmland with the poultry manure, there would be no special or adverse impact on the environment.

In the unlikely event of closure being the result of a Class A disease incident, any non-saleable stock would be humanely put down and consigned either for rendering (as currently done for the dead animal tissues) or for incineration. In such a situation, all of that would be under the control of the veterinary Division of the Department of Agriculture.

SECTION L STATUTORY REQUIREMENTS

Indicate how the requirements of Section 83(5)(a)(i) to (v) and (vii) to (x) of the EPA Act's, 1992 and 2003 shall be met, having regard, where appropriate, to any relevant specification issued by the Agency under section 5 (3) of the Act and the reasons for the selection of the arrangements proposed.

Indicate whether or not the activity is carried out on, or may be carried out on, or is located such that it is liable to have an adverse effect on -

- (a) a site placed on a list in accordance with Chapter 1 of SI 94 of 1997, or
- (b) a site where consultation has been initiated in accordance with Article 5 of the EU Habitats Directive (92/43/EEC), or
- (c) a European site as defined in Article 2 of SI 94 of 1997

Indicate whether or not the activity is liable to have an adverse effect on water quality in light of S.I. No. 258 of 1998 (Local Government (Water Pollution) Act, 1977 (Water Quality Standards for Phosphorus) Regulations, 1998).

Indicate whether any of the substances specified in the Schedule of the EPA (Licensing)(amendment) 2004 are discharged by the activity to the relevant medium.

Supporting information should be included as **Attachment N^o L** with reference to where the information can be found in the application.

No relevant specifications issued by the EPA under Section 83(3) of the Act.

In relation to those activities to which Section 83(3) of the act may apply, the requirements of Section 83(3)(a) to (e) of the EPA Act, 1992 shall be met by operating the facilities and managing the site so that:

- (a) *Any emissions from the activity will not result in the contravention of any relevant air quality standard specified under Section 50 of the Air Pollution Act, 1987, and will comply with any relevant emission limit value specified under section 51 of the Air Pollution Act, 1987.*
- (b) *Any emissions from the activity will comply with or will not result in the contravention of, any relevant quality standard for waters, trade effluents and sewage effluents and standards in relation to treatment of such effluents prescribed under section 26 of the Local Government (Water Pollution) Act, 1977.*
- (c) *Any emissions from the activity or any premises, plant, methods, processes, operating procedures or other factors, which affect such emissions, will comply with, or will not result in the contravention of, any relevant standard including any standard for an environmental medium prescribed under regulations made under the European Communities Act, 1972 or under any other enactment.*
- (d) *Any noise from the activity will comply with, or will not result in the contravention of, any regulations under section 106.*

- (e) Any emissions from the activity will not cause significant environmental pollution and
- (f) The best available technology not entailing excessive costs will be used to prevent or eliminate or, where that is not practicable, to limit abate or reduce an emission from the activity.

The Applicant is satisfied that the activity is not in or near and is not likely to have an adverse effect on the integrity of

- (a) A site placed on a list in accordance with Chapter 1 of SI 94 of 1997 or
- (b) A site where consultation has been initiated in accordance with Article 5 of the EU Habitats Directive (94/43/EEC), or
- (c) A European site as defined in Article 2 of SI 94 of 1997

The activity is not likely to have an adverse effect on water quality in the vicinity of the activity. All organic fertilizer produced at this facility is to be used in accordance with S.I. 378 of 2006, with the exception of any litter that may be moved off site for composting etc.

Fit and Proper Person.

The EPA Acts 1992 and 2003 (Section 83(5) (xi)) specifies that the Agency shall not grant a licence unless it is satisfied that the applicant or licensee or transferee as the case may be is a fit and proper person. Section 84(4) of the Act specifies the information required to enable a determination to be made by the Agency.

- Indicate whether the applicant or other relevant person has been convicted under the EPA Acts 1992 and 2003, the Waste Management Acts 1996 to 2003, the Local Government (Water pollution) Acts 1977 and 1990 or the Air Pollution Act 1987.

NOTE: The applicant has no previous convictions.

- Provide details of the applicant's technical knowledge and/or qualifications, along with that of other relevant employees.

NOTE: The applicant is a highly experienced operator of multi site poultry farms or operator of an efficient poultry farm.

- Provide information to show that the person is likely to be in a position to meet any financial commitments or liabilities that may have been or will be entered into or incurred in carrying on the activity to which the application relates or in consequence of ceasing to carry out that activity.

Provide the necessary information that will allow the Agency determine these requirements as **Attachment N^o L**.

SECTION M DECLARATION

Declaration

I hereby make application for a licence / revised licence, pursuant to the provisions of the Environmental Protection Agency Acts, 1992 and 2003 and Regulations made thereunder.

I certify that the information given in this application is truthful, accurate and complete.

I have no objection to the provision by the agency or local authority of a copy of the application or part thereof to any person.

Signed by : _____
(on behalf of the organisation)

Date : _____

Name in block letters: _____

Position in organisation : _____

Company stamp or seal:

Annex 1 Tables/Attachment

TABLE E.2(i): UNCONTAMINATED EMISSIONS TO SURFACE WATERS
 (One page for each emission)

Emission Point:

Emission Point Ref. N°:	<i>SWI Surface water drain outlet</i>
Source of Emission:	<i>Uncontaminated roof water and clean yard run off</i>
Location :	
Grid Ref. (10 digit, 5E,5N):	<i>E, N</i>
Name of receiving waters:	

TABLE E.3(i): UNCONTAMINATED EMISSIONS TO GROUND

(1 Page for each emission point)

Emission Point or Area:

Emission Point/Area Ref. N ^o :	
Emission Pathway: (borehole, well, percolation area, soakaway, landspreading, etc.)	
Location :	
Grid Ref. (10 digit, 5E,5N):	
Aquifer classification for receiving groundwater body:	
Groundwater vulnerability assessment (including vulnerability rating):	
Identity and proximity of groundwater sources at risk (wells, springs, etc):	
Identity and proximity of surface water bodies at risk:	

TABLE F.1(i) : EMISSIONS MONITORING AND SAMPLING POINTS - (1 table per monitoring point)

Emission Point Reference No. : Not applicable

Parameter	Monitoring frequency	Accessibility of Sampling Points	Sampling method	Analysis method/ technique

Emission Point Reference No. : Not applicable

Parameter	Monitoring frequency	Accessibility of Sampling Points	Sampling method	Analysis method/ technique

TABLE H.1(i) WASTE - Waste Recovery/Disposal

Waste material	EWC Code	Hazardous(H) /Other Waste (O)	Main source 1	Quantity		On-site recovery/disposal ² (Method & Location)	Off-site Recovery, reuse or recycling (Method, Location & Undertaker)	Off-site Disposal (Method, Location & Undertaker)
				Tonnes / month	m ³ / month			
Domestic Refuse	20 03 01	0	Work areas And canteen	0.0				
Vet Waste containers	02 01 99	0	Vet, Animal Houses	.00				
Animal Tissue Waste	02 01 02	0	Animal Houses	0.00				
Sharps	18 02 02	H	Animal Houses	0.00				Healthcare Initial collect & deliver to Sterile Tec. Irl Ltd.
Fluorescent Tubes	20 01 21	H	Light throughout unit	1 or 2/month				Irish Lamps Recycling
Poultry Manure	02 01 06	0	Storage Tanks		000		To Facility for composting	

- 1 A reference should be made to the main activity/ process for each waste.
- 2 The method of disposal or recovery should be clearly described and referenced to Attachment H.1

Table I.2(i) GROUNDWATER QUALITY *Not applicable*

(Sheet 1 of 2) Monitoring Point/ Grid Reference: _____

Parameter	Results (mg/l)				Sampling method (composite etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
pH							
Ammoniacal nitrogen NH₄-N							
Phosphate PO₄							
Faecal coliforms (/100mls)							
Total coliforms (/100mls)							
Water level (m OD)							
Phosphate PO₄							
Faecal coliforms (/100mls)							
Total coliforms (/100mls)							
Water level (m OD)							

TABLE I.2(ii): LIST OF OWNERS/FARMERS OF LAND

Land Owner	Townlands where landspreading	Map Reference	Fertiliser P requirement for each farm
			*NMP must take account of on-farm slurry

Total P requirement of the client List _____

TABLE I.2(iii): LANDSPREADING

Land Owner/Farmer _____

Map Reference _____

Field ID	Total Area (ha)	(a) Usable Area (ha)	Soil P Test Mg/l	Date of P test	Crop	P Required (kg P/ha)	Volume of On-Farm Slurry Returned (m ³ /ha)	Estimated P in On-Farm Slurry (kg P/ha)	(b) Volume to be Applied (m ³ /ha)	P Applied (kg P/ha)	Total Volume of imported slurry per plot (m ³)

TOTAL VOLUME THAT CAN BE IMPORTED ON TO THE FARM.

Concentration of P in landsread matterial	- kg P/m ³
Concentrarion of N in landsread material	- kg N/m ³



IPPC Application Form
