Environmental Protection Agency
An Ghníomhaireacht um Chaomhnú Comhshaoil

Integrated Pollution Prevention and Control Licensing

Application Form
Pig & Poultry Sector

EPA Reg. Nº: *(Office use only)*	

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
P.O. Box 3000, Johnstown Castle Estate, Co. Wexford
Telephone: 053-60600 Fax: 053-60699

Environmental Protection Agency

Application for an Integrated Pollution Prevention and Control Licence

Environmental Protection Agency Acts, 1992 and 2003.

CONTENTS

INTRODUCTION		3
CHECK LIST FOR ARTICLE 10 COMPLIANCE		4
SECTION A	NON-TECHNICAL SUMMARY	10
SECTION B	GENERAL	14
SECTION C	MANAGEMENT OF THE INSTALLATION	20
SECTION D	INFRASTRUCTURE & OPERATION	21
SECTION E	EMISSIONS	25
SECTION F	CONTROL & MONITORING	29
SECTION G	RESOURCE USE AND ENERGY EFFICIENCY	31
SECTION H	MATERIALS HANDLING	32
SECTION I	Existing Environment & Impact of the activity	39
SECTION J	ACCIDENT PREVENTION & EMERGENCY RESPONSE	42
SECTION K	REMEDIATION, DECOMMISSIONING, RESTORATION & AFTERCARE	43
SECTION L	STATUTORY REQUIREMENTS	44
SECTION M	DECLARATION	499

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 application 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. Any 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.

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 of 1993) 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** ☑	**Official** ☐

(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** ☑	**Official** ☐

(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** ☑	**Official** ☐

(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** ☑	**Official** ☐

(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** ☑	**Official** ☐

(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** ☑	**Official** ☐

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

LOCATION	Section D	
CHECKED	**Applicant** ☑	**Official** ☐

(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** ☑	**Official** ☐

(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** ☑	**Official** ☐

(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** ☑	**Official** ☐

(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** ☑	**Official** ☐

(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** ☑	**Official** ☐

(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** ☑	**Official** ☐

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

LOCATION	Section I.3	
CHECKED	**Applicant** ☑	**Official** ☐

(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** ☑	**Official** ☐

(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** ☑	**Official** ☐

(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** ☑	**Official** ☐

(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** ☑	**Official** ☐

(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** ☑	**Official** ☐

(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** ☑	**Official** ☐

(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** ☑	**Official** ☐

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** ☑	**Official** ☐

(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** ☑	**Official** ☐

(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** ☑	**Official** ☐

(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** ☑	**Official** ☐

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

LOCATION	Attachment B.7	
CHECKED	**Applicant** ☑	**Official** ☐

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

LOCATION	Attachment E	
CHECKED	**Applicant** ☑	**Official** ☐

(iv) monitoring and sampling points, and

LOCATION	Attachment F.2	
CHECKED	**Applicant** ☑	**Official** ☐

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

LOCATION		
CHECKED	**Applicant** ☑	**Official** ☐

Article 10(4)(a) A signed original and 5 copies of the application and the accompanying documents and particulars as required under sub-articles (1) and (2)(a) to (d) shall be submitted to the headquarters of the Agency.

LOCATION		
CHECKED	**Applicant** ☑	**Official** ☐

[In cases where an E.I.S. is required to be submitted to the Agency, in support of the application, 15 copies are to accompany the application.]

Article 10(4)(b) Notwithstanding the requirements of paragraph (a) all or part of the 5 copies of the said application and accompanying documents and particulars may be submitted to the Agency in a computer or other non-legible format where such format has been specified by the Agency.

CD version PROVIDED Y/N	YES	
CHECKED	**Applicant** ☑	**Official** ☐

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 Nº A.1**

1. NON-TECHNICAL SUMMARY

This Statement is prepared in respect of a 400 Sow Integrated Unit in accordance with the Planning & Development Regulations 2002. It is in support of this application for permission to construct a new Store, Cover existing open pig manure storage tank with a house for Hospital Pens, Replace 4 No existing pig houses with 2 new modern design buildings, and construct a covered geomembrane lined storage basin adjacent to his existing pig farm, to provide additional space per animal in compliance with new Animal Welfare Regulations and in accordance with the New Nitrates Directive S.I. No. 378 of 2006. A separate application was submitted previously for a Loose Dry Sow House and planning was granted 15 March 2007(planning Ref 06/3801). The proposed development would in part be a replacement of existing old pig houses and an extension to pig housing in an existing farm yard at Ballyfauskeen, Ballylanders, Co. Limerick.
The pigs to be housed would be reared for sale to the pig meat processing industry. The capacity of the site following the proposed development is 400 sows and their progeny to be reared to bacon weight.
That is greater than the capacity for which an Integrated Pollution
A new planning application is currently being processed by Limerick County Council (Ref 10/234) to construct a mill house, dry sow house, extension to farrowing house D, replace existing farrowing house E and associated site works for animal welfare purposes.
This Enterprise will now provide full-time employment for the Director/Owner Mr. Pat Ryan, supported by 3 full time staff. The site drains naturally through a field drain to an unnamed stream and ultimately to the River Aherlow. Storm water from roofs and clean yards will discharge to field Drainage via a storm water collection system, which will flow through 1 No storm water monitoring point. The location of which is identified on the site layout plan in attachment 2. There will be no discharge of any soiled water or any effluent from the site to any watercourse. There will be no discharge of soiled Water or effluent to groundwater.

The site is in a rural area. The activity on the site is and will be farming activity appropriate to the area and consistent with the development plan for Co. Limerick. The existing site is adjacent to a local road. It currently Accommodates an integrated herd of 400 sows and their progeny reared to bacon weight. The structure for which permission is sought would be about 13m and 130m respectively from the public road. The purpose of the new facilities is to replace old throbridge style pig houses

with new modern design low emission house systems. The proposed Basin provides separate covered storage capacity for pig manure, to ensure compliance with new animal welfare regulations, and Nitrate Directive Regulations.
The planting of shrubs and trees on a low embankment on the perimeter of the site would blend the site into the landscape. The site is not in and is not near any NHA, SAC or SPA site and does not threaten any such site in any way.

The only hazardous waste generated at this site would be spent Fluorescent lighting tubes and veterinary waste (medicine containers, Syringes and needles). The annual quantity of each of these classes of waste generated in the site would be less then 50kg. It is proposed to accumulate the used fluorescent tubes in a specialised storage area in the site pending periodic disposal at a civic waste site. It is proposed to accumulate the veterinary waste in a specified location in the site pending collection by an authorised collector for disposal at an authorised disposal site.

Weekly output of bacon pigs from this site would be about 250 animals. The associated weekly output of 153 m3 pig manure would equate to about be about 7950 m3 per year. There is strong local demand from other farmers for pig manure for use by them on their farmlands instead of manufactured chemical fertiliser products imported from outside the State. The application of animal manure to farmland is now regulated Under S.I. 378 of 2006 and distribution of manure from the site will comply with those Regulations. The Applicant is entitled to give manure to any local farmer who wants it and is obliged to record all dispatches from the holding and the farmers acquiring manure are obliged to record all consignments acquired and to use it in compliance with the Regulations.

Storage of manure in the site will be in compliance with the relevant Regulations that have given effect to the Nitrates Directive in Ireland.
It is proposed that all dispatches of manure from the site be recorded and the record will be maintained and be available at the site for inspection by an officer of the Local Authority at all reasonable times.

It is proposed that on-site storage capacity for pig manure including the new developments will be about 18324m3, of which 9516m3 is located in channels and tanks under the houses, which will now act as a collection system to deliver pig manure to the covered storage basin with 6080 m3 capacity, sufficient for about 40 weeks production of manure, and well in

excess of the 6 months storage capacity generally required for pig manure. It is also proposed that manure will not be supplied to customer farmers between 15th October and 31st January in any year except with consent of the planning authority or any other relevant authority. Outside that period, manure will be dispatched from the site to a farmer customer only in response to an order from a customer. Managed and used in that way, manure produced in the site will not have any adverse impact on environmental parameters either inside the site or outside the site.

Emissions to air from the site would be small, and would be mostly attributable to the animals that are currently on the site and the pigs that would be fattened in the proposed development on the site. The provision of a covered engineered geomembrane storage basin will ensure reduction of emissions on site, and convert existing tanks and channels to collection systems only. The odour associated with a site of the proposed capacity does not and will not cause annoyance and will not interfere with amenity outside the boundary of the site. The family's own dwelling is the only dwelling within 200 metres of the site.

A small proportion of animals born and maintained in a farm die prematurely. These carcasses are stored in a covered sealed container on site. Duggan Waste is an authorised contractor who regularly removes these carcasses that will die in the site to an authorised rendering plant (Waterford Proteins), in compliance with existing law.

The potential of the proposed development for adverse impact on environmental parameters is negligible because of the nature and scale of the development, and because all wastes would be removed from the site for either disposal or use elsewhere. While waste generated in the site would be accumulated and stored temporarily in the site, there would be no disposal or recovery of any waste undertaken on the site.

SECTION B GENERAL

B.1. Owner/Operator

** Applicants Name:* **Ballyfaskin Enterprises Ltd**

Address: **Ballyfauskeen,**

Ballylanders,

Co. Limerick

Telephone Nº: 062-46960 *Fax Nº:* N/A

E-mail: N/A

* 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: **Michael Sweeney,**
(if different from above)

NRGE,

Mooresfort, Lattin,

Co. Tipperary.

Address of Body Corporate: Ballyfauskeen
(If applicable)

Ballylanders

Co Limerick

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: Mr. Pat Ryan,

Address: Ballyfauskeen,

Ballylanders,

Co. Limerick.

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:

Number 425481

Certificate of Incorporation

I hereby certify that

BALLYFASKIN ENTERPRISES LIMITED

is this day incorporated under
the Companies Acts 1963 to 2005,
and that the company is limited.

Given under my hand at Dublin, this

Friday, the 25th day of August, 2006

for Registrar of Companies

B.2. Location of Activity

Name: Pat Ryan,
Full Address: Ballyfauskeen,
Ballylanders,

Co. Limerick.

Telephone Nº: Fax Nº: 062-46960

Contact Name(s): Mr. Pat Ryan

Position(s): Site Owner/Manager

e-mail : N/A

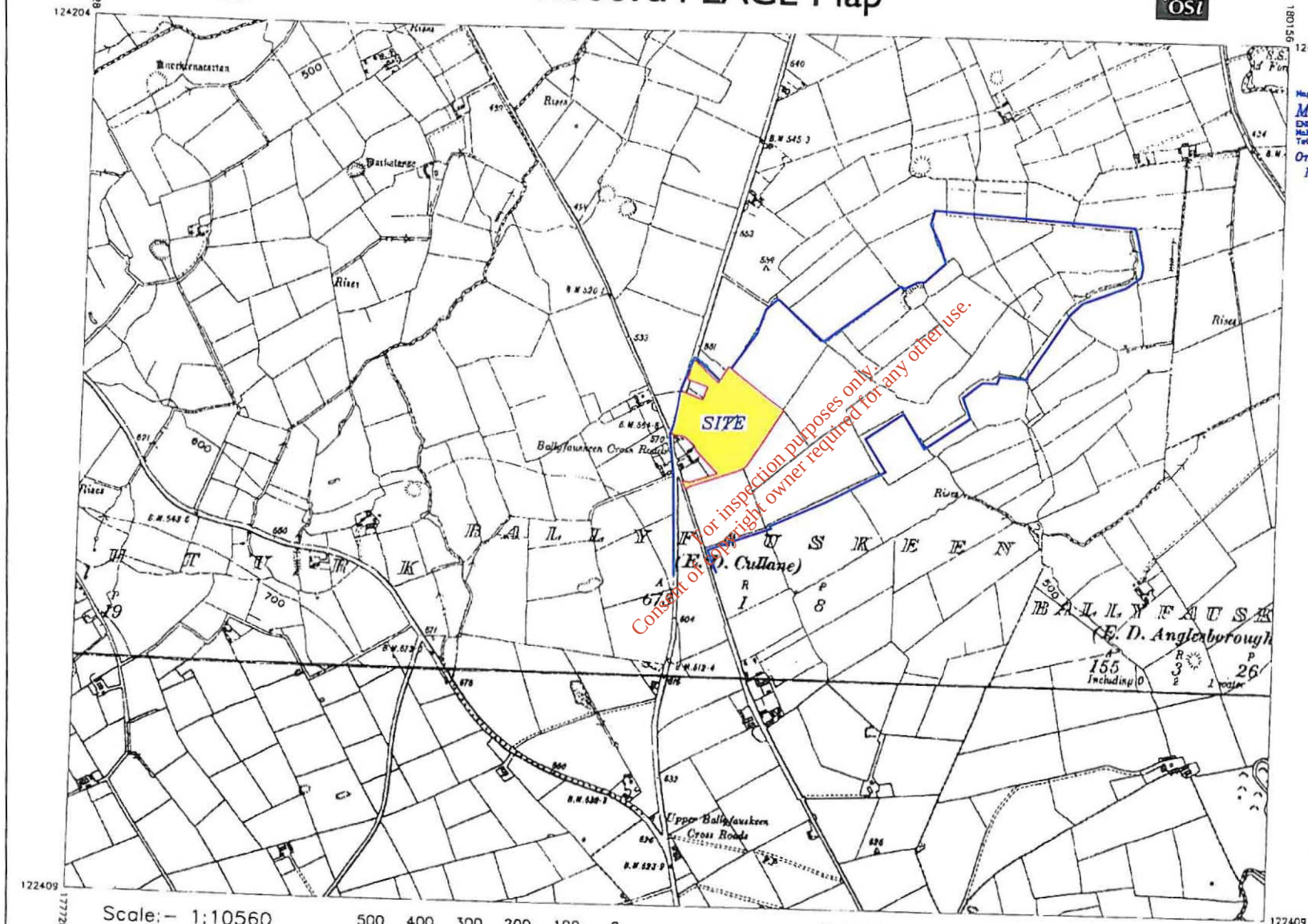
National Grid Reference (12 digit-6E,6N) **262406E, 162457N**

Location maps, with grid references should be enclosed in **Attachment Nº B.2.**

Also please refer to enclosed Environmental Impact Statement Appendix F "Site Location Maps"

Surveyed 1840 – 1841
Revised 1904 – 1924
Levelled 1924

Record PLACE Map



N

DESCRIPTION

Maps Prepared By
M & J. Mc Enirry
ENGINEERS.
Main Street, Ballyporeen, Co Tipperary.
Tel. 052 67151 Fax 052 67831 E-mail mcenirry@iol.ie
Ordinance Survey Licence .
No AR 0068910

MAP SCALES

6inch
TY073+073A LK057
LK049

Authorised Selling Agent

Produced by Central Bureau Services, Cork
On behalf of Ordnance Survey Ireland,
Phoenix Park, Dublin 8.

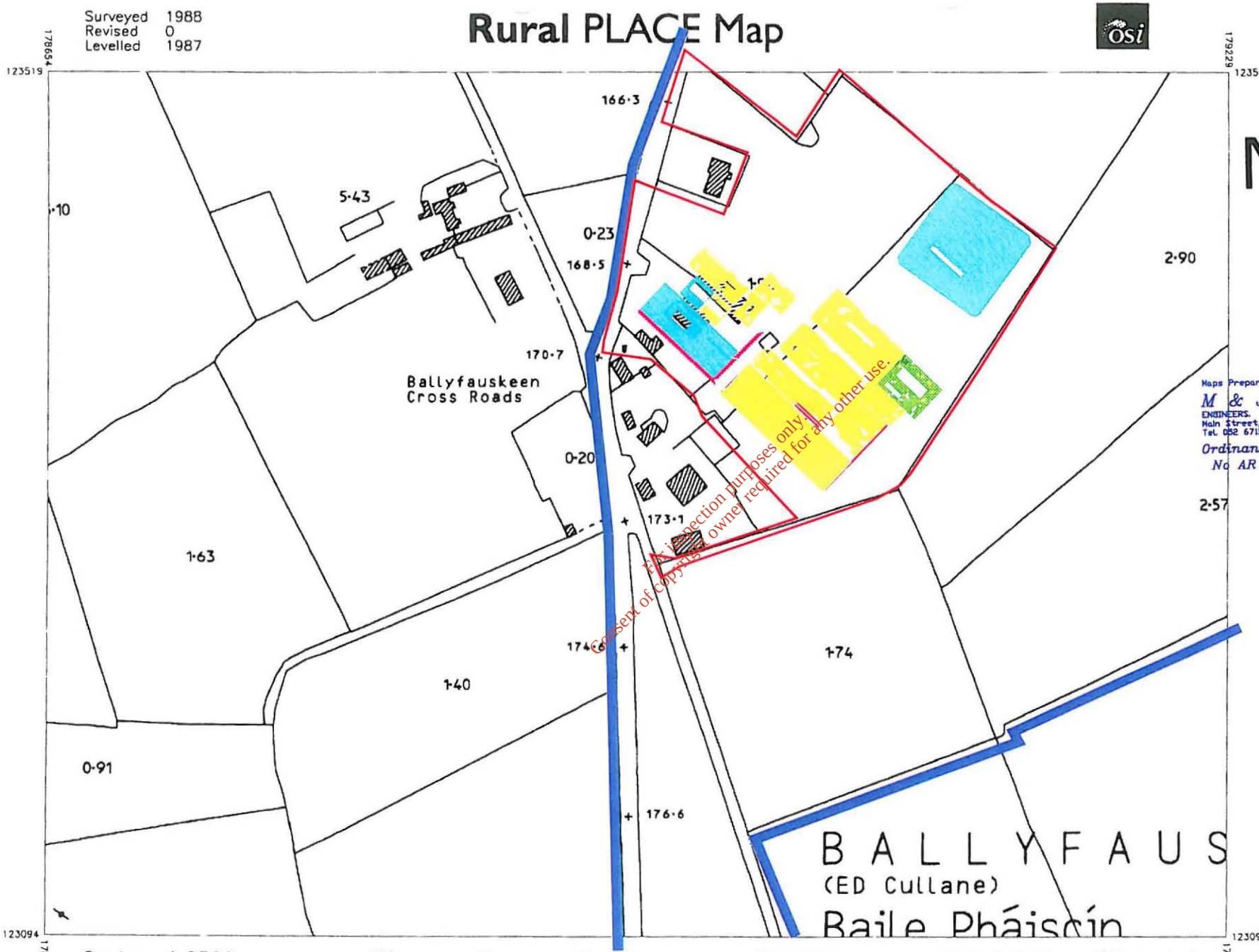
Scale:– 1:10560
Scála:– 1:10560

500 400 300 200 100 0 500 Metres
1000 500 0 1000 Feet

Plot Ref. No. 43761_8_7
Plot Date 04–AUG–2006

Surveyed 1988
Revised 0
Levelled 1987

Rural PLACE Map



DESCRIPTION

N

MAP SCALES

1:2500
5419–B

Maps Prepared By
M & J. Mc Enirry
ENGINEERS.
Main Street, Ballyporeen, Co. Tipperary.
Tel. 052 67151 Fax 052 671851 E-mail mcenirry@eircom.net
Ordnance Survey Licence
No AR 0068916

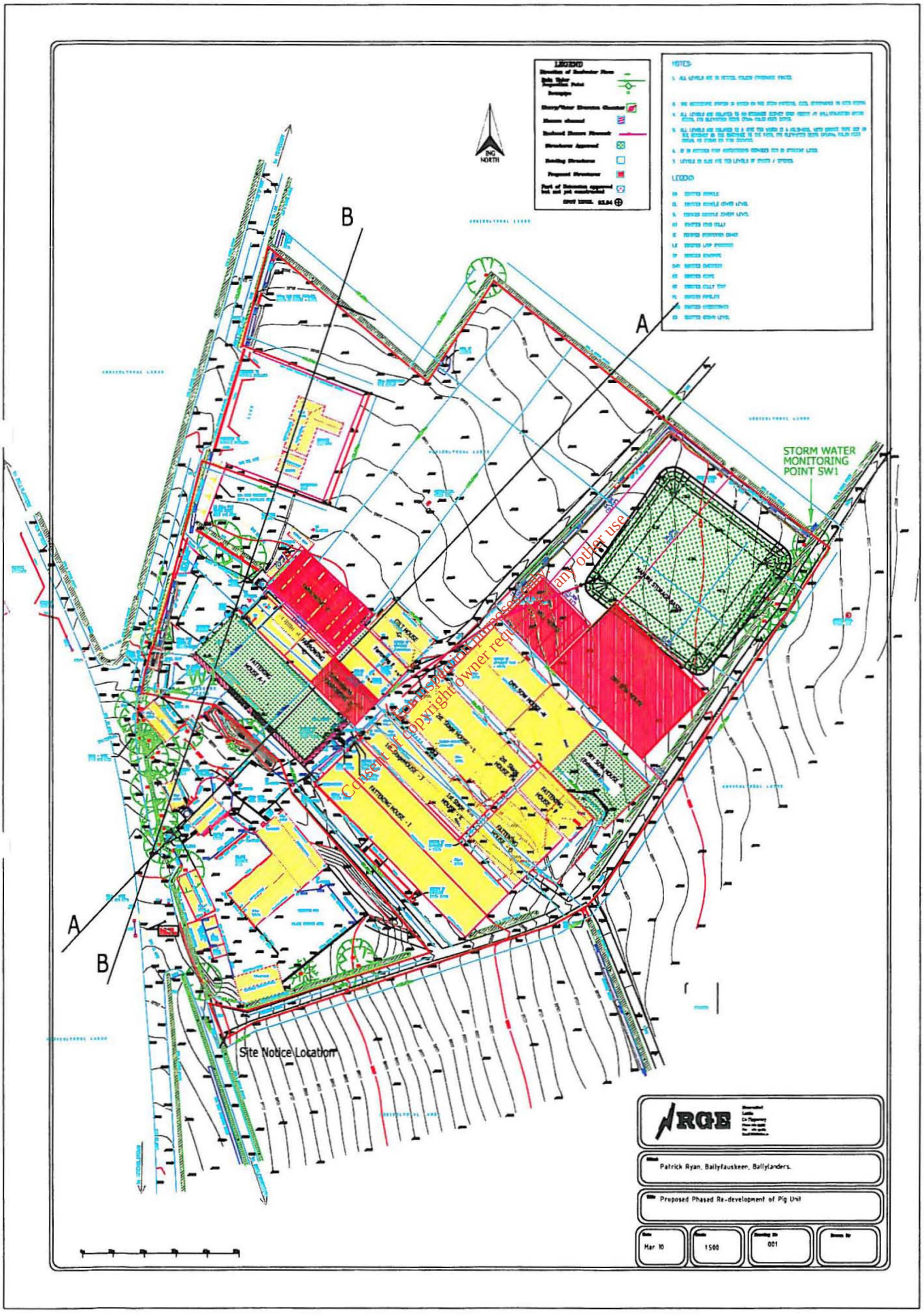
Authorised Selling Agent

Produced by Central Bureau Services, Cork
On behalf of Ordnance Survey Ireland,
Phoenix Park, Dublin 8.

Scale:– 1:2500
Scála:– 1:2500

100 50 0 100 Metres
200 100 0 200 Feet

Plot Ref. No. 43761_8_2
Plot Date 04–AUG–2006



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]
New First Schedule to EPA Act 1992 as amended by POE Act 2003.	6.2	The rearing of pigs in an installation, whether within the same complex or within 100metres of the same complex, where the capacity exceeds 2000 places for the production of pigs.

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) : 3

Gross Capital Cost (new proposals) €1.8m

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: Limerick County Council,

Address: County Hall,

Dooradoyle,

Co. Limerick.

Telephone Nº: 061-496378

Planning Permission for this installation:-

Obtained ☑ *is being processed* ☑ *not applied for* ☐

Local Authority Planning File Reference Nº: *06/3255 ; 07/2101; 09/588; 10/234*

Attachment Nº 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.

A copy of the planning application lodged in respect of planning file reference No. 10/234 regarding the to construct a mill house, dry sow house, extension to farrowing house D, replace existing farrowing house E and associated site works for animal welfare purposes is included in attachment B.5.
A copy of the most recent planning application Decisions with Conditions (References No 06/3255; 07/2101; 09/588) regarding the development of animal housing, and necessary facilities on this pig farm to comply with animal welfare regulations and the Nitrate Directive Regulations is also included in attachment B.5.

Search Results

[redacted]

Number of records found: 4

<< Previous Next >>

App. Num	Authority	Applicant Name	Development Address	Applicatio
10234	Limerick County Council	Patrick Ryan	Ballyfauskeen, Ballylanders	19/03/2
09588	Limerick County Council	Patrick Ryan	Ballyfauskeen, Ballylanders	11/05/2
072101	Limerick County Council	Patrick Ryan	Ballyfauskeen, Ballylanders	29/06/2
063255	Limerick County Council	Pat Ryan	Ballyfauskeen, Ballylanders	27/10/2

<< Previous Next >>

Registration of Application

View on Map | New Enquiry | Results List | More Details

File Number:	10234	**Applicant Name:**	Patrick Ryan
Local Authority:	Limerick County Council	**Development Description:**	the construction of a mill house, dry sow house, extension to farrowing house D, replace existing farrowing house E and associated site works for animal welfare purposes (this development comprises of an activity in relation to which a license under Part IV of the new first schedule to Environment Protection Agency Act 1992 as amended by Protection of the Environment Act 2003, is required)
Date Received:	19/03/2010		
Type:	PERMISSION		
Submissions By:	22/04/2010		
Due Date:	13/05/2010		
Decision:	n/a		
Decision Date (MO):	n/a		
Application Status:	NEW APPLICATION		
Grant Date:	n/a		
Further Info. Requested:	n/a		
Further Info. Received:	n/a	**Development Address:**	Ballyfauskeen Ballylanders
Number of Appeals:	0		

B.6. Relevant Health Board Region

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

Name: Mid Western Health Board,
Address: 31-33 Catherine Street,
Limerick.

Telephone Nº: 061-316655

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 Nº B.7 should contain a copy of the text of the site notice, a map 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 Nº B.8**.

Application to the Environmental Protection Agency for an IPPC Licence

Mr Patrick Ryan, of Ballyfauskeen, Ballylanders Co Limerick is applying to the Environmental Protection Agency for an Integrated Pollution Prevention Control licence, for a pig rearing installation located in Ballyfauskeen, Ballylanders Co Limerick. The application is in respect of an installation for the rearing of pigs as specified under class 6.2 in the First Schedule to the Environmental Protection Agency Acts 1992 and 2003. "*The rearing of pigs in an installation, whether within the same complex or within 100 metres of the same complex, where the capacity exceeds 2000 places for the production of pigs.*" A copy of the application for the IPPC Licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application will, as soon as practicable after receipt by the Agency, be available for inspection or purchase at the Headquarters of the Agency, Johnstown Castle Estate, Wexford. (Tel: Locall 1890 33 55 99 or 053-60600).

SIGNED: Patrick Ryan

DATE: 27 March 2010

Public Notices

LIMERICK LOCAL GOVERNMENT COMMITTEE PUBLIC NOTICE

Invitation for Submissions

Notice is hereby given that Mr John Gormley T.D., Minister for the Environment, Heritage and Local Government, has established a committee to prepare a report under Part V of the Local Government Act 1991 into the most appropriate arrangements for local government for the city and county of Limerick.

The Committee, chaired by Mr Denis Brosnan, will examine various options, including boundary changes, the creation of a unified city and county authority, and alternative arrangements to share and/or coordinate functions, administration and leadership between the city and county authorities.

Further details can be found at:

www.limericklgc.ie

Submissions, in writing, are invited in relation to the Committee's work, which should be provided to the undersigned not later than **Tuesday 4th May, 2010**. Submissions may be sent by post, emailed or submitted electronically to the Committee's website. All submissions will be published online.

Following consideration of submissions and consultation, and a review of the issues, the committee will make such recommendations that it considers to be necessary in the interests of effective, efficient and innovative local government, and will prepare and furnish to the Minister for the Environment, Heritage and Local Government a report in writing of that review and its recommendations. The committee is independent in the performance of its functions.

Eoin Corrigan
Room 2.07
Custom House
Dublin 1
(01) 888 2858
eoincorrigan@limericklgc.ie

LEGAL NOTICES

Application to the Environmental Protection Agency for a Licence

Mr Patrick Ryan, of Ballyfauskeen, Ballylanders Co Limerick (Grid Referrence E178991 N123370) is applying to the Environmental Protection Agency for an Integrated Pollution Prevention Control licence, for a pig rearing installation located in Ballyfauskeen, Ballylanders Co Limerick. The application is in respect of an installation for the rearing of pigs as specified under class 6.2 in the First Schedule to the Environmental Protection Agency Acts 1992 and 2007. "The rearing of pigs in an installation, whether within the same complex or within 100 metres of the same complex, where the capacity exceeds 2000 places for the production of pigs." A copy of the application for the IPPC Licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application will, as soon as practicable after receipt by the Agency of the application for a license, be inspected at or obtained from the Headquarters of the Agency, Johnstown Castle Estate, Wexford. (Tel: Locall 1890 33 55 99 or 053-60600).

PLANNING NOTICES

APPLICATION TO PLANNING AUTHORITY

Limerick County Council: Co. Limerick - Planning Permission is sought from Limerick County Council to construct detached home, garage, entrance, wastewater treatment system and percolation area, including all ancillary work and site works at Mongfune, Murroe, Co. Limerick - Liam Kemp.
The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the planning authority during its public opening hours and a submission or observation in relation to the application may be made to the authority in writing on payment of the prescribed fee within the period of five weeks beginning on the date of receipt by the authority of the application.

APPLICATION TO PLANNING AUTHORITY

Limerick County Council:
Peter Healy intends to apply to Limerick County Council for planning permission for development comprising revisions to Planning Permission Register Reference 09/117 to provide 6 No off-street car parking spaces within revised site curtilage in lieu of 2No car parking spaces permitted under Register Reference 09/117; planning permission for retention of development

PLANNING NOTICES

APPLICATION TO PLANNING AUTHORITY

Limerick County Council: I, Pat O'Connell seek permission for the construction of a single storey extension to the side of existing dwelling to be used as bedroom/ensuite at Castleroberts, Adare, Co. Limerick.
The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the planning authority during its public opening hours and a submission or observation in relation to the application may be made to the authority in writing on payment of the prescribed fee within the period of five weeks beginning on the date of receipt by the authority of the application.

APPLICATION TO PLANNING AUTHORITY

Limerick County Council: Significant Further Information/Revised Plans, Gibbonstown, Kilmallock, Co. Limerick. Significant further information/revised plans are being submitted to Limerick County Council by Joseph Hargrow c/- Gilleece McDonnell O'Shaughnessy Ltd in relation to Planning Ref. No. 09/1097. Permission consequent on grant of Outline Permission for the construction of a dwelling house, entrance, boundary walls, installation of waste water treatment unit and ancillary site works (Ref. No. of Outline Permission 08/973) at Gibbonstown, Kilmallock, Co. Limerick. The significant

NOTICE IN A GOVERNME ACTS 2000 DEVELOPM

PROPOSE

In accordance 2008 and Art Regulations 20 notice of its pr

LOCATION:

Glennahaglis Ballylanders, Co. Limerick.

Plans and par available for in

- **the Housing County Hall, 4.30 p.m., M**
- **Limerick Co Kilmallock, (**

from FRIDAY 2010 BOTH D

Submissions development, development o would be situa **CONSTRUCTI COUNTY HALL**

The latest dat is FRIDAY 21

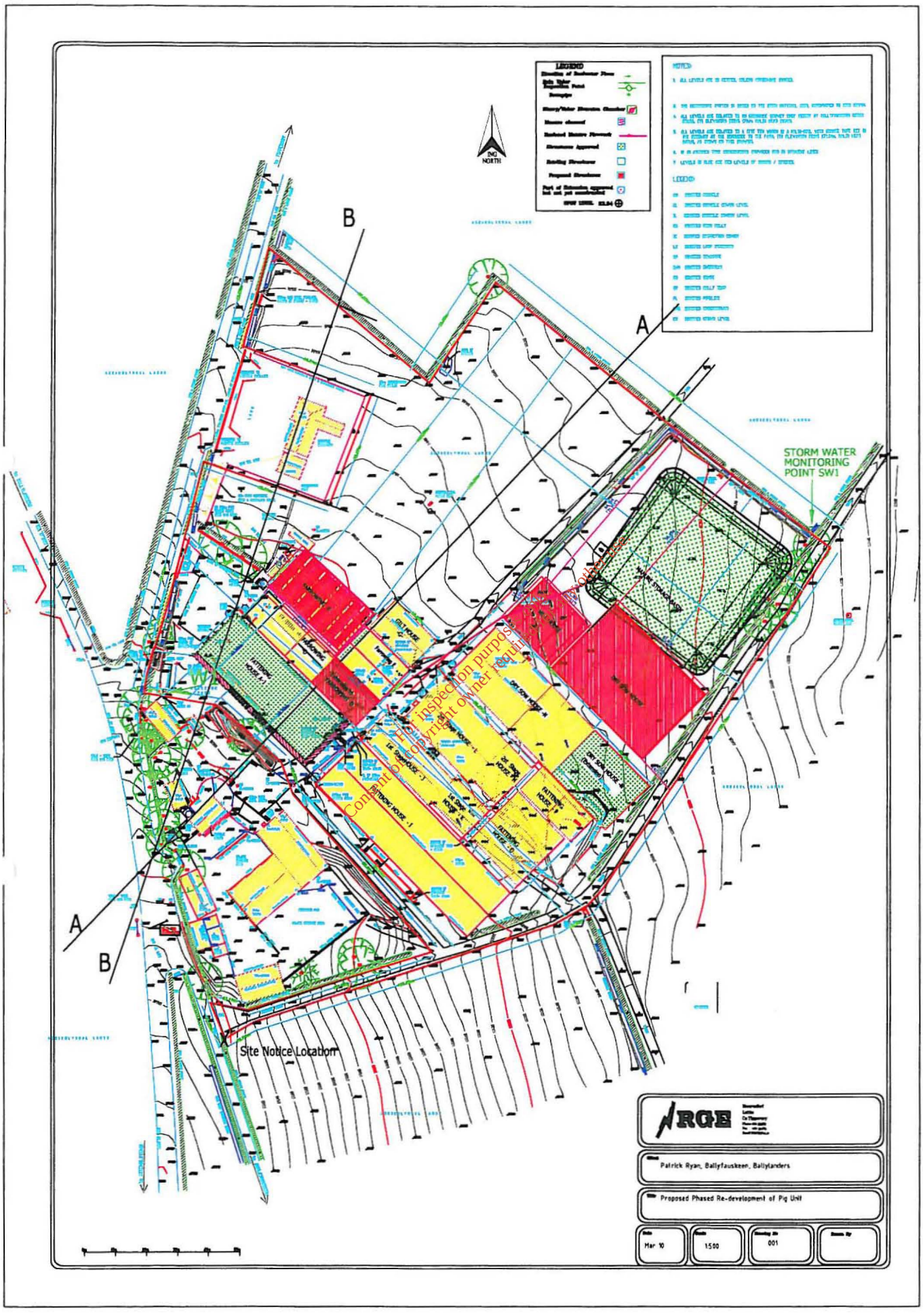
PLANNING

APPLICAT PLANNING A

Limerick City notice that Pat apply to Limeri cil for planning following dev existing C premises at 8 M Limerick. 1. sought to retain takeaway for period and 2. sought for revisi nage to the fron The planning app inspected or purch exceeding the rea making a copy, at planning authority opening hours and observation in rela cation may be ma ity in writing on prescribed fee wit five weeks beginni receipt by the application.

APPLICAT PLANNING A

Limerick Coun



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 Nº C**.

This facility is owned by Mr. Pat Ryan, who is the manager on-site and is also the responsible person on-site for this facility.

The main activities at this facility occur during normal working hours between 8.00 a.m. and 6.00 p.m. Stock inspections in line with normal farming practices are carried out everyday including weekends and holidays.

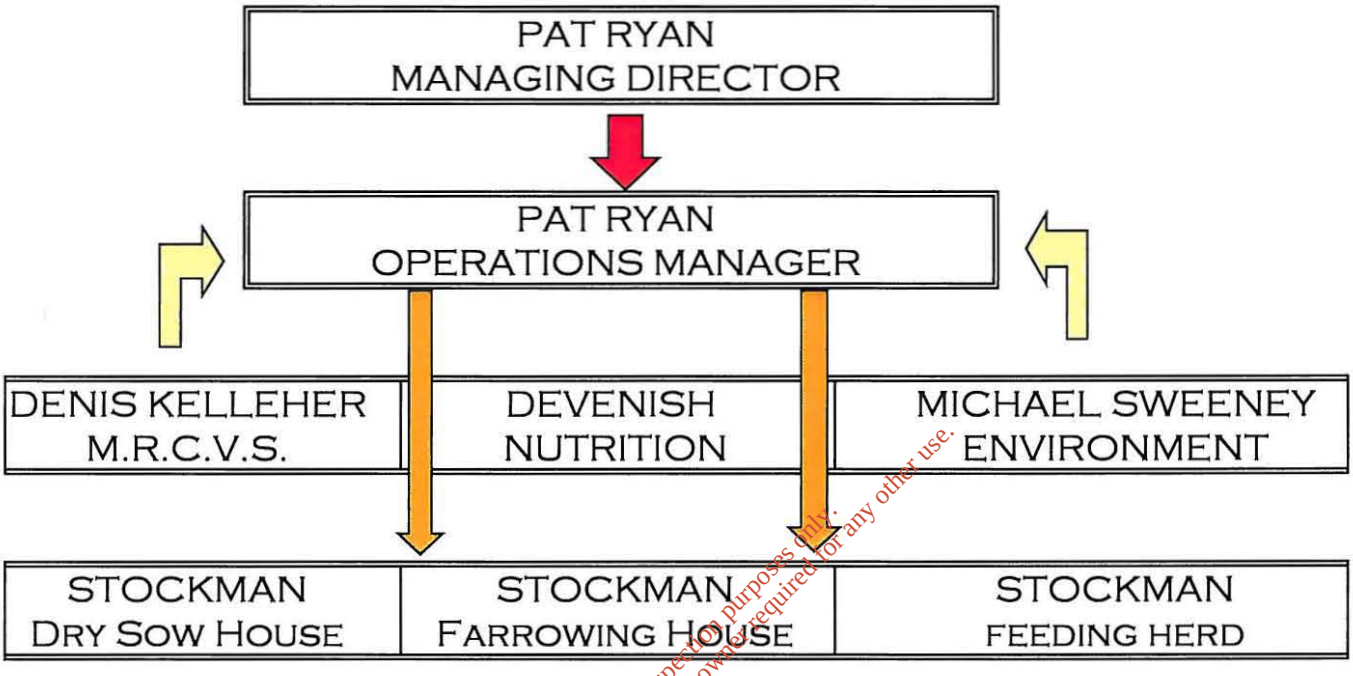
Specialist services are utilized by management on-site in specific areas of responsibility, in order to ensure the efficient and proper running of the facility. These are Devenish Nutrition to monitor the efficiency of all diets on-site, Michael Sweeney of NRGE Ltd, to monitor environmental performance, including internal audits and Denis Kelleher, M.R.C.V.S, to provide veterinary advice.

There is a training procedure on-site to ensure that on going training is provided to all existing staff members as required. This also provides for training of new staff members or temporary staff. Documentation in respect of this training procedure and training events are maintained on site and available for inspection at all reasonable times.

Management Structures Table attached.

BALLYFASKIN ENTERPRISES LTD

BALLYFAUSKEEN BALLYLANDERS CO LIMERICK



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, to include a copy of such plans, drawings or maps, (site plans and location maps, process flow diagrams), 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 any business is to make a profit, in pig production, profit is made by the efficient use of inputs (especially feed) to sell the maximum output of lean carcass meat to the processing factory. To achieve this objective requires this pig unit to:

1. Rear a high number of piglets/sow/year
2. Have efficient food conversion ratio (feed to lean meat conversion)
3. Have fast growth rate from birth to slaughter weight.
4. 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 pig environments.
4. High quality feeds.
5. Good management and stockmanship.

With a view to complying fully with current and forthcoming Environmental Legislation, Mr. Pat Ryan engaged Michael Sweeney of NRGE Ltd to undertake a study for the development of this unit. This study reviewed all possible housing systems for animals, and storage systems for pig manure.

Size of Development

The layout of this yard is shown on the layout plan contained in **Attachment 9.1**

As part of the proposed development programme it is planned to make this a viable integrated pig farm, by finishing all stock reared on site, and to help comply with the new welfare regulations and Nitrate Directive Regulations.

The activity on the site is the rearing of pigs in a licensable installation. The facility is located in a rural area. The installation comprises animal houses, manure collection and storage tanks, 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 breeding and rearing pigs for sale off the site for processing into human food by the pork/bacon industry. The farm will have the capacity to accommodate 400 sows and their progeny and to feed the progeny to bacon weight. While production on the site is continuous, the presence of operative staff and deliveries / collections is normally between 06.00 and 20.00 hours.

The principal inputs are pig feed (e.g. cereals, soya, protein), water, veterinary medicines and a modest amount of energy (electricity and heating oil) for heating. Pig feed is acquired from the animal feed industry. Water for pigs and for washing is acquired from private wells on the site. Animal houses will be insulated to minimise use of heating fuel. The outputs are pigs (primary product) and pig 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 licensed 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, and tested quarterly for COD. 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, as all pig manure is stored in tanks underneath the houses.

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 pigs and for the control of emissions from the installation are the best available that the enterprise can afford.

Pig manure is a rich source of plant nutrients and is a valuable fertiliser for farmland. It will be collected and stored in covered tanks until some local farmers acquire it for use on their farmland. The distribution of manure to individual farmer customers who use it is limited to the amount demonstrated to be needed by them to maintain their soil fertility, in accordance with the Nitrate Directive Regulations S.I. 378 of 2006. Use of pig manure reduces the amount of fertiliser farmers need to purchase from the chemical fertiliser industry.

The discharge of storm water from the site will be monitored to detect any adverse effect of the activity on surface waters. Water from the groundwater wells adjacent to the site will be monitored to detect any adverse effect of the activity on ground water.

If activity on the site ceased, animals in stock would be sold, consumable inputs returned to source, manure tanks emptied and the site would be secured.

Genetic Potential

To provide stock with the best genetic potential, GP gilts are outsourced, which in turn will produce commercial mothers, to ensure that all pigs produced are of a very high standard.

Selection of the stock by physical measurements (e.g. litter size, growth rate, backfat depth) and the use of computers enable genetically transmitted performance to be improved each year. Thus the facility will be stocked with pigs which have a high genetic potential which will be continually monitored and improved by replacement.

Minimal Disease Status

The health status of the stock is probably the most important single element to ensure the efficiency of the enterprise. There are approximately six diseases that have a major economic impact on any pig unit and many more with a lesser effect. One or more of these diseases acting in combination are capable of reducing output by 10 – 20%. Two of these diseases can be spread by aerosol droplets, but as they are located in an area of low pig density, the risk of a disease outbreak is greatly reduced.

All stock entering the Unit will be free from all major diseases. All replacement stock for this pig farm will be sourced from breeding units, which are also free of these diseases. As a secondary method of disease prevention all the pigs are vaccinated with (Mycoplasma) as soon as they arrive and once again 3 weeks later.

To minimise the risk of personnel bringing infection into either yard, all staff entering the yards must shower in, and have a complete change of clothing. All visitors are banned with the exception of essential personnel such as company veterinarians and servicemen. All visitors must sign a register stating that they have not been in contact with any other piggery in at least 4 days.

Designated lorries are used to deliver feed to the minimal disease units. Each lorry is washed out and disinfected on a daily basis, to minimise the transfer of disease between units. Pigs are loaded for the factory 2 days per week and the haulier who collects the pigs washes and disinfects the lorry before entering the site. The Cull Sow transporter for this pig farm is also instructed on the importance of cleanliness of their vehicle.

The final part of maintaining health within the unit is to allow sufficient space on the unit such that pigs are moved in an "All In – All Out" basis, as they progress from building to building. Each age group of pigs have a different level of immunity, and even in high health status herds it is important not to mix pigs of different age groups. Equally important is the necessity to clean out pens or rooms after each batch moves on to the next section of the unit. This avoids the build up of bacteria and viruses which challenge the incoming pigs 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 of pigs.

If pigs are kept at a high health status, then the necessity for widespread medication is substantially reduced. This is important from the viewpoint of cost efficiency, the

welfare of stock, and particularly the consumer who will be able to purchase the product without concern for drug residues.

D.2. Development and Operational History of the Site

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

Attachment Nº D should contain a list of all unit operations (process) to be carried out, including a flow diagram of each with any relevant additional information.

Attachment D

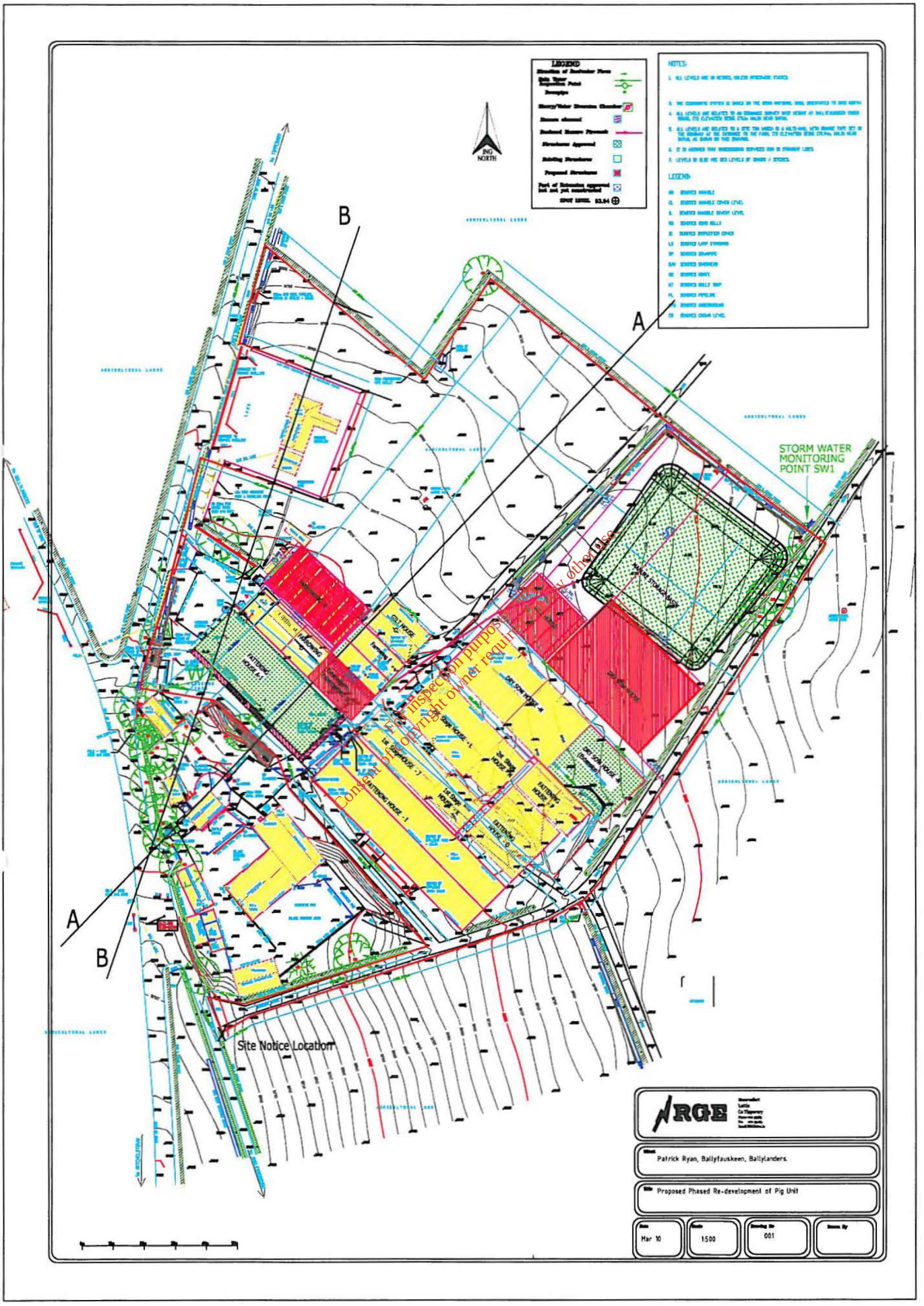
This facility is a pig production unit, which has developed at this site since the late seventies. The activities on site involve the normal management, feeding, and monitoring of stock for the production of meat. Staff on site carry out, record, and document all practices and duties necessary for the proper management and monitoring of this facility. This unit currently operates as a 400 sow partially fully integrated pig farm.

FARM STRUCTURES TABLE Rev 1

Patrick Ryan, Ballyfauskeen

*Covered Structures to Stormwater System	0
Paved Areas to Stormwater System only	
# Paved Areas to Foul/Stormwater System	0
Paved Areas to Foulwater System Only	57
Unpaved Areas	1075

TITLE	STATUS	CLASS	STRU LGT (M)	CTURE WTH (M)	AREA SQ MTS	TOTAL AREA B/F		TANK WIDTH	TANK LENGHT	TANK DEPTH	CAPACITY CUBIC MTS	TOTAL CAPACITY	EFFECTIVE CAPACI WITH 200 FREE BO	TOTAL EFFECTIVE CAPACITY
Fattening A-1	Existing		49.58	18	892.44	892.44		18	43.5	4	3132.0	3132.0	2975.4	2975.4
D Farrowing	Existing	6	29.7	11.3	335.0	1227.5		11.3	29.7	0.6	201.0	3333.0	134.0	3266.0
G Gilt House	Existing	6	18.3	11.8	215.0	1442.5		11.8	18.3	0.9	193.5	3526.5	150.5	3416.5
Farrowing E	Existing		20.0	13.0	260.0	1702.5		13.0	20.0	0.9	234.0	3760.5	182.0	3598.5
H Open Tank	Existing	7	0.0	0.0	0.0	1702.5		6.6	8.7	2.5	143.6	3904.1	132.1	3730.6
					0.0	1702.5	*	0.0	0.0	0.0	0.0	3904.1	0.0	3730.6
I Fattening House	Existing	6	69.2	19.9	1376.7	3079.2		19.9	69.2	1.8	2478.0	6382.1	2202.7	5933.3
J 1st Stage Weaner	Existing	6	30.3	11.0	333.7	3412.8		11.0	30.3	0.6	200.2	6582.3	133.5	6066.7
K 1st Stage Weaner	Existing	6	15.5	11.2	173.6	3586.4	##	11.2	15.5	0.6	104.2	6686.5	69.4	6136.2
L 2nd Stage Weaner	Existing	6	29.4	17.9	524.8	4111.3		17.9	29.4	1.2	629.8	7316.3	524.8	6661.0
M 2nd Stage Weaner	Existing	6	16.4	11.3	184.8	4296.1		11.3	16.4	1.2	221.8	7538.1	184.8	6845.8
N Dry Sow	Existing	6	46.4	20.6	956.5	5252.5		20.6	46.4	1.8	1721.6	9259.7	1530.3	8376.2
O Fattening	Existing	6	21.7	21.5	466.3	5718.9		21.5	21.7	1.8	839.4	10099.1	746.1	9122.3
P Fattening	Existing	6	23.6	10.4	246.1	5965.0		10.4	23.6	1.8	443.0	10542.0	393.7	9516.1
N Dry Sow Extension	Approved	6	25.5	20.6	524.3	6489.2		20.6	25.5	1.8	943.7	11485.7	838.8	10354.9
Manure Storage Basin	Approved		40	40	1600			40	40	4	6400	17885.7	6080.0	16434.9
Ext to Farrowing E	Approved		20	14.8	296	6785.2		14.8	20	0.9	266.4	18152.1	207.2	16642.1
Ext to Farrowing D	Proposed		20	11.3	226	7011.2		11.3	20.0	0.6	135.6	11621.3	90.4	16732.5
Farrowing E	Proposed		30.6	16.6	508.0	7519.2		16.6	30.6	0.9	457.2	12078.5	355.6	17088.1
Dry Sow House	Proposed		41.9	29.5	1232.5	8751.7		29.5	41.9	1.2	1483.3	13561.8	1236.1	18324.1
Mill House	Proposed		21.3	18.4	390.9	9142.5								
Farrowing E	demolish	6	30.5	12.7	387.4	9529.9		12.7	30.5	0.9	348.6	348.6		
Pump House AA	Existing		8.0	3.1	24.7	24.7								
Generator AB	Existing		2.2	2.2	3.8	28.5								
Meal Bin 1	Existing		2.2	2.2	3.8	32.3								
Meal Bin 2	Existing		2.2	2.2	3.8	36.1								
Meal Bin 3	Existing		2.2	2.2	3.8	39.9								
Meal Bin 4	Existing		2.8	2.8	6.0	46.0								
Meal Bin 5	Existing		2.2	2.2	3.8	49.8								
Meal Bin 6	Existing		2.2	2.2	3.8	53.6								
Meal Bin 7	Existing		2.2	2.2	3.8	57.4								
Meal Bin 8														



SECTION E EMISSIONS

E.1. Emissions to Atmosphere

Fugitive 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 Nº E.1.**

Process emissions to the atmosphere from a conventional intensive pig farm include the expelling of warm air from the ventilation system in the buildings and odour and gas volatilization from the pig manure storage facilities. Fugitive or unscheduled emissions may include the loading and unloading of pigs, agitation of pig manure in open storage tanks, the storage of feed, leakage from the ventilation system and pig houses, and the storage of pig carcasses on site.

Control Measures to Minimise and Abate Odour on site at present

Emissions from this pig farm are currently contained using the following recommendations;

1. Reducing uncontrolled air movements on site and leakage from the ventilation system and from pig houses (I.E windows and doors)
2. The use of a high-tech computerized ventilation system, in animal houses with a back up system.
3. Minimising the generation of odours during meteorological conditions which favour spread of odours.
4. The storage of carcasses in covered sealed containers on site.
5. A 100mm buffer is maintained at the top of all covered pig manure storage tanks to allow for the accumulation of gases.
6. Minimisation of the agitation of pig manure and the filling and emptying of liquid storage tanks from below the surface of the stored manure.
7. Transporting pig manure in suitably contained leak proof vehicles.
8. Limited areas where pigs are moved outside buildings, and covering of passageways and yards where animals have access.

Proposed Measures to further Minimize and Abate Odour on site

1. Incorporation of low protein diets on site in line with recommendations from Devenish Nutrition. It is estimated that 30% reductions will be achieved, in line with recent research (See Report included in attachment 3 of EIS Attached).
2. It is proposed to cover all passageways and yard areas where animals will have access.
3. All proposed pig manure storage systems will be covered, which will prevent all emissions during storage and agitation.

E.2 Emissions to Surface Waters

Tables E.2 (i) must be completed.

A summary list of the emission points, together with maps, drawings and supporting documentation should be included as **Attachment Nº 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 two storm water monitoring points to be monitored and visually inspected. These are identified as SW1 (Grid Ref: 623463N, 579001E) and SW2 (Grid Ref: 623480N, 579093E) on the site layout plan and drawings attached. All soiled surface water is diverted to the pig manure storage tanks, and clean water to the storm water collection system.

Surface water monitoring will takes place quarterly, and the monitoring point will be visually inspected weekly by staff, and a record of these inspections will be maintained on site.

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 storm water 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, sludge's 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 Nº E.3.**

The relevant details of the list of customer farms who will utilize pig manure from this farm as fertilizer is currently being compiled. A full copy of this report will be forwarded to the Agency. There will be sufficient capacity in this customer farmer list when completed to cover this proposal. As this is an isolated pig farm there is very good demand in the area from customer farms to utilize pig manure. These farmers are preparing copies of their fertilizer plans to submit to Mr. Pat Ryan to help him compile his customer list.
These customer farmers plan to utilize pig manure from this farm on identified parcels of land, to supply nutrient, in accordance with a fertilizer plan.
This completed customer list will be submitted to the Agency on or before 20th August 2007.

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 Nº 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 pig farm. The percolation area of the septic tank is the source of the only emission to ground from this facility. The location of the septic tank and percolation area are marked on the Site Layout Plan.

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 Nº 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 pig farms in the country.
This proposed development 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 Nº F.1 should contain any supporting information.

The main components of this proposal are;

(i) Increasing the scale of this site to ensure future viability
(ii) Provision of new housing designs and areas to comply with Animal Welfare Regulations.
(iii) Decommissioning of the existing open concrete storage tank.
(iv) Provision for the covering of circular over-ground Pig Manure Storage tank.
(v) Covering of all passageways and open areas including loading ramp used by pigs.
(vi) Removal of pig manure from under pig houses fresh to separate storage.
(vii) Bunding of all liquid feed tanks and fuel tanks on site.
(viii) Installation of an engineered geo-membrane lined, covered storage system (See Appendix 24 of EIS Attached).

The main objective of this application is to make this pig farm a fully integrated facility which will ensure it is a viable entity, provide housing systems to comply with animal welfare regulations, and the nett result will be a reduction of existing emission levels.

Control Measures to Minimise and Abate Odour on site at present

Emissions from this pig farm are currently contained using the following recommendations;

1. Reducing uncontrolled air movements on site and leakage from the ventilation system and from pig houses (I.E windows and doors)
2. The use of a high-tech computerized ventilation system, in animal houses with a back up system.
3 Minimising the generation of odours during meteorological conditions which favour spread of odours.
4. The storage of carcasses in covered sealed containers on site.
5. A 100mm buffer is maintained at the top of all covered pig manure storage tanks (and 500mm in uncovered tanks), to allow for the accumulation of gases, (and a rainfall allowance).
6. Minimisation of the agitation of pig manure and the filling and emptying of liquid storage tanks from below the surface of the stored manure.
7. Transporting pig manure in suitably contained leakproof vehicles.
8. Limiting of areas where pigs are moved outside buildings.

Proposed Measures to further Minimize and Abate Odour on site

1. Incorporation of low protein diets on site in line with recommendations from Devenish Nutrition. It is estimated that 30% reductions will be achieved, in line with recent research (See Report included in attachment 3).
2. It is proposed to cover all passageways and yard areas where animals will have access.
3. All proposed pig manure storage systems will be covered, which will prevent all emissions during storage and agitation.

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 Nº F.1 should contain any supporting information.

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 Nº G**

Discussions are currently taking place with regard to the preparation of an energy audit for this facility, and a copy of same will be forwarded to the Agency upon completion. This report will be prepared in accordance with the EPA Guidance Document.

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°.H.1** including references to the most recent testing of bunded structures, tanks and pipelines.

The Pig Farm

The raw materials used in the pig farm are, Feed, Heating Oil, Medication, electricity, and water.
About 5300 tonnes of feed will be used annually on site or equivalent in liquid form, and 17600 M3 of water in the production of pig meat. All feeds are typical, standard pig feeds. There are 4 main classes of feed used for different classes of animals. Feeds or ingredients are purchased from feed trading/milling industry.

The average volume of heating oil used on site will be 12000 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.

VET MEDICINES:
- Antibiotics
- Anthelmintics
- Vaccines (RE Disease prevention)
- Hormones (RE lactation and pregnancy)
- Insecticides (Parasite and fly control)
- Disinfectants (Hygiene)
- Mineral Preparations (Mainly Iron for piglets)

It is anticipated that approx 220,000 units of electricity will be utilized per annum on site.

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	Domestic Refuse
(b) Description & nature of waste	Canteen waste & packaging
(c) Source	Work areas and canteen
(d) Where stored and integrity/ impermeability of storage areas	Bin on site
(e) Amount (m^3) and tonnage	2.5 Tonne (Approx)
(f) Period or Periods of generation	Continuously
(g) Analysis (include test methods and Q.C.)	N/A
(h) European Waste Catalogue Code	20 03 01

(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 Nº 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	Veterinary waste containers
(b) Description & nature of waste	Empty medicine containers (Rinsed out)
(c) Source	Vet, Chemist, Animal houses
(c) Where stored and integrity/ impermeability of storage areas	Bins on site, domestic refuse
(e) Amount (m^3) and tonnage	0.05 tonne Domestic refuse
(f) Period or Periods of generation	Continuously
(g) Analysis (include test methods and Q.C.)	N/A
(h) European Waste Catalogue Code	02 01 99

(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 Nº 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	Animal tissue waste
(b) Description & nature of waste	Dead pigs
(c) Source	Animal Houses
(d) Where stored and integrity/ Impermeability of storage areas:	Covered Skip on site
(e) Amount (m^3) and tonnage	14 Tonne (approx)
(f) Period or Periods of generation	continuously
(g) Analysis (include test methods and Q.C.)	N/A
(h) European Waste Catalogue Code	02 01 02

(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 Nº H.**

Pig carcasses are regularly collected from this facility and delivered to a licensed rendering plant.

Please refer to enclosed Environmental Impact Statement Page 6 paragraph 3 "Animal Carcasses"

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 — Sharps

(b) Description & nature of waste — Used veterinary needles

(c) Source — Animal houses

(d) Where stored and integrity/impermeability of storage areas: Designated container

(e) Amount (m^3) and tonnage — 5 Kgs

(f) Period or Periods of generation — continuously

(g) Analysis (include test methods and Q.C.) N/A

(h) European Waste Catalogue Code — 18 02 02 **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 Nº H.**

Sharps are maintained in a sealed container on site and removed off site by a licensed contractor on a bi-annual basis for disposal.

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	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 (m^3) and tonnage	40 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 Nº H.**

H.7 Waste Handling

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

Pig Manure is only included here because the Agency expects it to be included here. It is not a waste product from this facility. It will not be discarded from this facility, but rather supplied to customer farmers for use as a valuable fertilizer source, on clearly identified parcels of land, to supply nutrient in accordance with a fertilizer plan.

For each waste material, give full particulars of;

(a) Name	Pig Manure
(b) Description & nature of waste	Pig Manure and wash water
(c) Source	Pigs
(d) Where stored and integrity/ impermeability of storage areas	Manure storage tanks on site
(e) Amount (m^3) and tonnage	7950m^3
(f) Period or Periods of generation	continuously
(g) Analysis (include test methods and Q.C.)	Avg; N 4.2, P 0.8
(h) European Waste Catalogue Code	02 01 06

(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 Nº 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 Nº I.1 should also contain full details of any dispersion modelling of atmospheric emissions from the activity, where required.

Proposed Measures to further Minimize and Abate Odour on site

1. Incorporation of low protein diets on site in line with recommendations from Devenish Nutrition. It is estimated that 30% reductions will be achieved, in line with recent research (See Report included in attachment 3).
2. It is proposed to cover all passageways and yard areas where animals will have access.
3. All proposed pig manure storage systems will be covered, which will prevent all emissions during storage and agitation.

The nett result of this proposed development will be a major reduction of the current level of emissions from this facility, including for the increased production on site.

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.

Landspreading of Agricultural

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 Nº I.3**.

There has been no historical contamination of groundwater at this site. This proposed development will further reduce the potential impacts at this site, for the following reasons.

1. A leak detection system will be provided under all new structures and facilities in this proposed development.

I.4 Noise Impact

A map 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 Nº I.4.**

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 Nº I.5.**

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 Nº J.**

An Emergency Response Procedure has been put in place for this facility. A copy of this is included in Appendix 21 of the Environmental Impact Statement 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.

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 pig feeding, pig production, pig 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 pigs in houses, pig manure in tanks and also some of the wastes (dead pigs, 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 pigs would be sold to the usual outlets. All remaining feed, gas, oil and medicines would be returned/sold back to the respective suppliers. The buildings, once empty of pig stock would be washed clean and all dirty wash water would be spread on farmland with the pig 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 pigs would be humanely put down and consigned either for rendering (as currently done for the dead pig/pig 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 Nº L** with reference to where the information can be found in the application.

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 such 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 a modern breeding unit with partial finishing on site and the remainder finished off site. Expert consultants are being utilized for the development of this facility.**

- 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.

In relation to those activities to which Section 83(3) of the act may apply, the requirements of Section 83(5)(i) to (v) and (vii) to (xi) of the EPA Act, 2003 shall be met by operating the facilities and managing the site so that :

Section 83
(5) The Agency shall not grant a licence or revised licence for an activity—
(*a*) unless it is satisfied that—

(i) 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,

RESPONSE: **Best current practice in manure handling and spreading techniques, modern ventilation systems and air handling systems and Diet management mitigate odour generation from within the farmyard complex and on customer farms. This is further elaborated upon in section Attachment E2 of the application**

(ii) 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,

RESPONSE: **Organic fertilizer from this facility is spread on agricultural land in accordance**
with the Nutrient Management Plan submitted in support of this application, and in accordance with the Nitrates Directive SI 378 of 2006. Handling practices and adequate manure storage within the facility insure there are no discharges from the facility. This is further elaborated upon in section Attachment E2 and E3 of the application

(iii) 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,

RESPONSE: **Combination of the good housekeeping and compliance with the sections (i) and(ii) will ensure the activity will comply with the above act.**

(iv) any noise from the activity will comply with, or will not result in the contravention of, any regulations under
section 106,

RESPONSE: **Noise is not a significant issue in Intensive Agriculture facilities. Noise from Animal Feeding arise from the operation of feed preparation plant and ventilating fans. The noise generated by these is inaudible outside the immediate vicinity of the buildings and adjoining yards. The activities currently on site do not generate noise levels that could be detected at site boundary, similar to most pig farms in the country. This is further elaborated upon in section Attachment E4 of the application**

(v) any emissions from the activity will not cause significant environmental pollution,

(vii) having regard to Part III of the Act of 1996, production of waste in the carrying on of the activity will be
prevented or minimised or, where waste is produced, it will be recovered or, where that is not technically
or economically possible, disposed of in a manner which will prevent or minimise any impact on the environment,

RESPONSE: **Wastes generated on the site are disposed in a manner which will minimize the impact on the environment. This has been addressed in the submission in Attachment H1 of the application.**

(viii) energy will be used efficiently in the carrying on of the activity,

RESPONSE: **Energy and resource usage is consumed efficiently this is further elaborated upon in section Attachment G1 of the application**

(ix) necessary measures will be taken to prevent accidents in the carrying on of the activity and, where an accident
occurs, to limit its consequences for the environment and, in so far as it does have such consequences, to remedy those consequences,

RESPONSE: **Preventative measures taken to prevent accidents and to limit consequences are elaborated upon in Attachment No H1**

(x) necessary measures will be taken upon the permanent cessation of the activity (including such a cessation resulting from the abandonment of the activity) to avoid any risk of environmental pollution and return the site of the activity to a satisfactory state, and

RESPONSE: **Cessation and Decomissioning proposals are included in Attachment K of the Application**

(xi) the applicant or licensee or transferee, as the case may be, is a fit and proper person to hold a licence, and, where appropriate, the Agency shall attach conditions relating to the matters specified in the foregoing subparagraphs to the licence or revised licence,

RESPONSE: **The applicant is a fit and proper person to hold a licence as demonstrated by descriptions in the following paragraphs**

Section 84
(4) For the purpose of this Part, a person shall be regarded as a fit and proper person if—
(a) neither that person nor any other relevant person has been convicted of an offence under this Act, the Act of 1996, the Local Government (Water Pollution) Acts 1977 and 1990 or the Air Pollution Act 1987 prescribed for the purposes of this subsection,

RESPONSE: **The Directors of the company or the company have at no stage been convicted of an offence under the Act of 1996, the Local Government (Water Pollution) Acts 1977 and 1990 or the Air Pollution Act 1987 or The EPA Acts 1992 and 2003**

(b) in the opinion of the Agency, that person or, as appropriate, any person or persons employed by him to direct or control the carrying on of the activity to which the licence or revised licence relates or will relate has or have the requisite technical knowledge or qualifications to carry on that activity in accordance with the licence or revised licence and the other requirements of this Act, and

RESPONSE: **The facility manager John ORourke is also a director of the Applicant Company and has managed the facility at Causeway for more than 20 years both for the previous owners and the current applicant. He has qualified in Pig management and husbandry from Athenry Agricultural College,**

(c) in the opinion of the Agency, that person is likely to be in a position to meet any financial commitments or liabilities that the Agency reasonably considers have been, or will be entered into or incurred by him in carrying on the activity to which the licence or revised licence relates or will

relate, as the case may be, in accordance with the terms thereof or in consequence of ceasing to carry on that activity.

RESPONSE: **The licence application is made by a Limited Liability Company, Kerry Pig Producers Ltd., trades under the requirements of the Companies Registration Office, therefore can meet any financial commitment that is considered reasonable.**

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 S.I. 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 S.I. 94 of 1997

RESPONSE: **The applicant is satisfied that the unit is not in or near and is not likely to have an adverse effect on the integrity of and site referenced in (a), (b), or (c) above.**

The activity is not likely to have an adverse effect on water quality in the vicinity of the activity. Normal recommended inputs of P fertilizer into farmland in accordance with Good Farming Practice (REPS code or DAF/DoE code), are unlikely to have any adverse effect on quality of either surface waters or groundwater. S.I. 258 of 1998 (Local Government (Water Pollution) Act, 1977 (Water Quality Standards for Phosphorus) Regulations, 1998) are not directly relevant to farmers including those who are customers for pig manure from this application.

Provide the necessary information that will allow the Agency determine these requirements as **Attachment Nº L**.

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

(d) A site placed on a list in accordance with Chapter 1 of SI 94 of 1997 or

(e) A site where consultation has been initiated in accordance with Article 5 of the EU Habitats Directive (94/43/EEC), or

(f) 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. Normal recommended inputs of P fertilizer, into farmland in accordance with Good Farming Practice (REPS code or DAF/DOE code), are unlikely to have any adverse effect on quality, of either surface waters or groundwater. SI258 of 1998 (Local Government (Water Pollution) Act, 1977 (Water Quality Standards for Phosphorus) Regulations, 1998) are not directly relevant to farmers including those who are customers for pig manure from this facility

SECTION M DECLARATION

Declaration

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

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 parts thereof to any person.

Signed by: Patrick Ryan. **Date:** 26/3/2010
(on behalf of the organisation)

Name in block letters: MR PAT RYAN.

Position in organisation: DIRECTOR / OWNER.

Company stamp or seal:

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

Emission Point: Stormwater Monitoring Point SWA

Emission Point Ref. Nº:	SW1 Surface water drain outlet
Source of Emission:	Uncontaminated roof water and clean yard run off
Location :	North Eastern end of site adjacent to entrance
Grid Ref. (10 digit, 5E,5N):	57900E, 62346N
Name of receiving waters:	

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

Emission Point: Stormwater Monitoring Point SWD

Emission Point Ref. Nº:	SW2 Surface water drain outlet
Source of Emission:	Uncontaminated roof water and clean yard run off
Location :	Eastern boundary adjacent to covered pig manure storage tank
Grid Ref. (10 digit, 5E,5N):	57909E, 62348N
Name of receiving waters:	

TABLE E.3(i): UNCONTAMINATED EMISSIONS TO GROUND (1 Page for each emission point)

Emission Point or Area: N/A

Emission Point/Area Ref. Nº:	
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. : SW1

Parameter	Monitoring frequency	Accessibility of Sampling Points	Sampling method	Analysis method/ technique
COD or BOD	QUARTERLY	Good	STANDARD METHOD	STANDARD

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

Emission Point Reference No. : W1

Parameter	Monitoring frequency	Accessibility of Sampling Points	Sampling method	Analysis method/ technique
Nitrate	ANNUALLY	Good	STANDARD METHOD	STANDARD
Total Ammonia	ANNUALLY	Good	STANDARD METHOD	STANDARD
Faecal Coliforms	ANNUALLY	Good	STANDARD METHOD	STANDARD

Emission Point Reference No. : W2

Parameter	Monitoring frequency	Accessibility of Sampling Points	Sampling method	Analysis method/ technique
Nitrate	ANNUALLY	Good	STANDARD METHOD	STANDARD
Total Ammonia	ANNUALLY	Good	STANDARD METHOD	STANDARD
Faecal Coliforms	ANNUALLY	Good	STANDARD METHOD	STANDARD

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]	Off-site Recovery, reuse or recycling	Off-site Disposal
				Tonnes / month	m^3 / month	(Method & Location)	(Method, Location & Undertaker)	(Method, Location & Undertaker)
Domestic Refuse	20 03 01	0	Work areas And canteen	0.2			Disposal	Collected by Mr Binman to Landfill
Vet Waste containers	02 01 99	0	Vet, Animal Houses	0.004			Disposal	Collected by Mr Binman to Landfill
Animal Tissue Waste	02 01 02	0	Animal Houses	1.1			Disposal	Collected for disposal to Waterford Proteins Waterford
Sharps	18 02 02	H	Animal Houses	0.001			Disposal	Healthcare Initial collect & deliver to Sterile Tec. Irl Ltd.
Fluorescent Tubes	20 01 21	H	Light throughout unit	1 or 2/month			Re-Cycle	Irish Lamps Recycling
Pig Manure	02 01 06	0	Storage Tanks		1700		Re-Cycle To customer farmers as fertilizer	Used by customer farms as a fertilizer

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.I