

Grainne Oglesby

Subject: FW: EPA P0982 01
Attachments: Scanner1-WestCork-A4-BW-300DPI-10231-61 08b59ca4-8be3-4912-9d73-e5d6da946fe1.djvu; Scanner1-WestCork-A4-BW-300DPI-10231-63 6b1c510c-0136-420e-ac49-2d2ff78e905c.djvu

From: Kevin Irwin [<mailto:Kevin.Irwin@CorkCoCo.ie>]
Sent: 12 August 2014 10:24
To: Wexford Receptionist
Cc: Geraldine O'Mahony; Sean Taylor
Subject: EPA P0982 01

Pamela McDonnell,
Environmental Licensing Programme,
Office of Climate, Licensing and Resource Use,
Regional Inspectorate,
EPA, Inniscarra,
County Cork.

12th. August,

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Re: Notification under Section 87 (1E) (c) of the EPA Act 1992, as amended Reg. No. P0982-01.

Mr. Don French applied to Cork County Council for planning permission for the following on April 1st 2010 and permission with conditions was granted on 1st July 2010 – **Planning Ref. No. 10.231.**

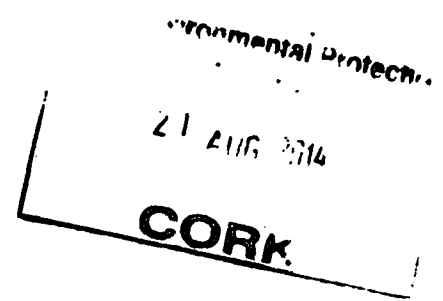
Expansion of pig herd to a 560 sow integrated pig unit comprising the construction of 1 no. loose dry sow house, 1 no. farrowing house, 1 no. stage one weaner pig house, 1 no. stage two weaner pig house, 3 no. finisher pig houses and associated works in order to comply with animal welfare and nitrates legislation.

The schedule of conditions attached to the permission under Pl. Ref. No. 10.231 are as follows:

Conditions/Reasons

No.	Condition	Reason
1	The development shall be carried out in accordance with the plans and particulars lodged with the	In the interests of clarity.

Pamela McDonnell,
Environmental Licensing Programme,
Office of Climate, Licensing and Resource Use,
Regional Inspectorate,
EPA, Inniscarra,
County Cork.



12th. August,

Re: Notification under Section 87 (1E) (c) of the EPA Act 1992, as amended Reg. No. P0982-01.

Mr. Don French applied to Cork County Council for planning permission for the following on April 1st 2010 and permission with conditions was granted on 1st July 2010 – **Planning Ref. No. 10.231.**

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The schedule of conditions attached to the permission under PI. Ref. No. 10.231 are as follows:

Conditions/Reasons

No.	Condition	Reason
1	The development shall be carried out in accordance with the plans and particulars lodged with the planning authority on 1/04/2010 except as may otherwise be required in order to comply with the conditions herein.	In the interests of clarity.
2	The proposed premises shall be used solely for agricultural purposes as described in the documenttion lodged with the planning authority on 1/04/2010 and a change of this use shall not take place without benefit of a further planning permission,	To safeguard the amenities of the area.

	notwithstanding the exempted development provisions of the Planning & Development Regulations, 2001, as amended.	
3	The site shall be landscaped in accordance with a comprehensive scheme of landscaping, full details of which shall be submitted to and agreed in writing with the Planning Authority before development commences. The said scheme shall include, inter alia, a programme for the implementation and maintenance of the scheme.	In the interests of visual amenity.
4	Tree shelter belt(s) of at least 2 rows shall be planted along the boundaries of the site. The trees shall consist of native species and shall be protected from grazing animals by proper stock proof fencing. The trees shall be planted in the first planting season following the Grant of Permission and all failures shall be replaced to the satisfaction of the Planning Authority.	In the interests of visual amenity.
5	Before development commences, the developer shall provide, to the satisfaction of the Planning Authority, security in the amount of €5,000 to guarantee the satisfactory completion of tree and shrub planting and all other landscaping proposals for the site as required by Condition NO. 3 and 4 The sum lodged pursuant to this condition shall be refunded only when it is certified by the Planning Authority that the planting and landscaping have been completed to the its satisfaction.	To ensure the satisfactory completion of the development.
6	Any damage caused to the nearby public road by construction traffic during development works shall	In the interests of road safety.

	be made good by the Council at the expense of the developer.	
7	The surface water soakaways shall be designed in accordance with BRE Digest 365 September 1991.	To prevent flooding of the public road or adjacent lands
8	All uncontaminated surface water run-off from roofs etc. shall be discharged to soakaways or to watercourses and shall not be discharged to or allowed to enter the slurry holding tanks. Gutters and down pipes shall be provided on all existing and new buildings on the farmyard.	To prevent water pollution.
9	At least one month before commencing development, the developer shall pay a special contribution of €20000.00 to Cork County Council, updated monthly in accordance with the Consumer Price Index from the date of grant of permission to the date of payment, in respect of specific exceptional costs not covered in the Council's General Contributions Scheme, in respect of works proposed to be carried out, for the provision of road works The payment of the said contribution shall be subject to the following: (a) Where the Council has decided not to proceed with the works in question, the return of the contribution; (b) Where the works in question are not commenced within 5 years of the date of payment of the contribution or final instalment thereof, or have not been completed within 7 years of that date, the return of such proportion of the contribution, as shall correspond to the proportion of the works not carried out within those periods;	It is considered appropriate that the developer should contribute towards these specific exceptional costs, for works which will benefit the proposed development.

	(c) payment of interest at	
10	The roof and side cladding of the proposed structures shall match that of the existing structures on site in terms of colour used, to the satisfaction of the Planning Authority.	In the interests of visual amenity.

Other possible relevant planning history cases for this application are:

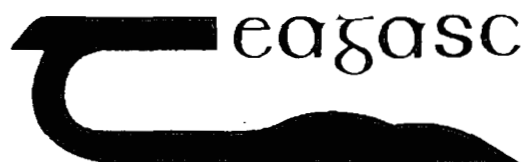
REF NO.	DEVELOPMENT	SITE	OUTCOME
09/1030	Feed store	Same	Permission granted, work currently taking place.
09/755	Same	Same	Deemed withdrawn
96/2487	Construction of sow weaner farrowing and finisher houses	Same	Granted
062670	Construction of additional sow units to existing sow unit to include (a) finisher house with associated slatted slurry tanks, (b) extension to existing farrowing house and all associated site works	same	Granted
09680	Incomplete application		

An EIS, carried out by Ciaran Carroll of Teagasc. I have attached same as well as application details prepared by Teagasc.

I hope that this clarifies your query. I have no additional observations on this matter.

Kevin Irwin,

Senior Planner.



**Pig Production
Development Unit**

MOOREPARK RESEARCH CENTRE

Fermoy, Co. Cork, Ireland

Aonad Forbartha Táirgeadh Muc, Ionad Taighde Phaire Uí Mhórdha,
Teagasc, Mainistir Fhear Maí, Co. Chorcaí, Éire

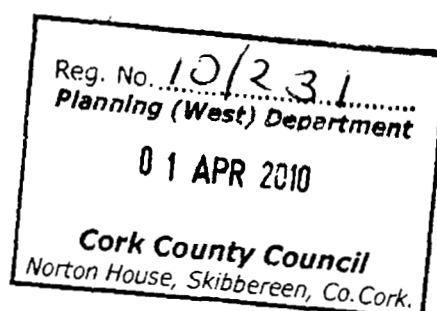
Tel: +353 (0)25 42222 Fax: +353 (0)25 42340

Web: www.teagasc

Planning Authority,
Cork County Council,
Norton House,
Skibbereen,
Co. Cork

24th March, 2010

Dear Sir/Madam,



Please find enclosed a completed planning permission application form and other details for Mr. Don French, Aghagooheen, Cloonee, Bantry, Co. Cork.

Mr. French currently operates a 280 sow integrated pig unit on his farm at Aghagooheen, Cloonee, Bantry, Co. Cork. Pigs have been produced on the farm since the 1997. In order to secure his own future and that of his family in farming he now wishes to further develop his pig unit and is proposing to expand his herd size to a 560 sow integrated unit. In doing so, he will also be complying with animal welfare and nitrates legislation requirements.

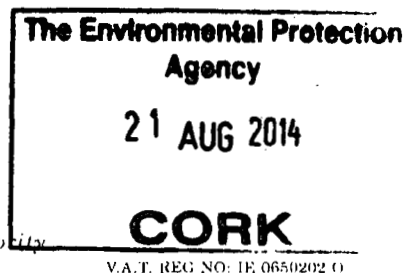
The planning application entails construction of construction of 1 no. loose dry sow house, 1 no. farrowing house, 1 no. stage one weaner pig house, 1 no. stage two weaner pig house, 3 no. finisher pig houses and associated works.

The accompanying documents include:



10231-01/04/2010-Application Document

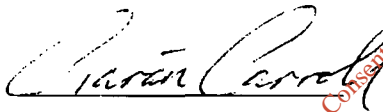
1. Cover letter
2. 10 Copies of Environmental Impact Statement (E.I.S.)
3. 6 copies of Report with Other Information



4. 6 Copies of Signed planning application
5. Two copies of newspaper containing notice of application
6. Two copies of site notice
7. Six Copies of Farm Structures Record
8. Six copies site location maps
9. Six copies site layout drawings
10. Six copies Floor Plans, Elevations and Sections
11. Schedule of plans
12. Planning application fee

I trust that everything is in order? If you have any further questions or queries, please do not hesitate to contact me on 087-2462925 or at ciaran.carroll@teagasc.ie.

Yours Sincerely,



Ciarán Carroll
Pig Development Officer

eg. No. _____

Planning (West) Department

01 APR 2010

Cork County Council
Norton House, Skibbereen,
Co. Cork.

**CORK COUNTY COUNCIL
AGRICULTURAL PLANNING APPLICATION FORM**

1. Applicant:

Name(s)	Mr. Don French
Address(es)	AGHAGOOHEEN, CLOONCE, BANTRY, Co. CORK
Correspondence Address	CLOONCE, DARRUS, Co. CORK
Telephone No.	027 - 55674
Mobile No. (if any)	086 - 8253159
Email Address (if any)	Margaret.french@eircom.net
Fax No. (if any)	-

2. Person/Agent acting on behalf of the Applicant (if any):

Name	Ciaran Carroll	Reg. No.	Planning (West) Department
Address	TEAGASC MOOREPARK FERINOH, Co. CORK	01 APR 2010	Cork County Council Norton House, Skibbereen, Co. Cork.
Telephone No.	025 - 42388		
Mobile No. (if any)	087 - 2462925		
Email Address (if any)	Ciaran.Carroll@teagasc.ie		
Fax No. (if any)	025 - 42384		

3. Type of planning permission (please tick appropriate box):

- ☒ Permission
☐ Permission for retention
☐ Permission Consequent on the Grant of Outline Permission.

4. Where planning permission is consequent on the grant of outline permission:

Outline Permission Register Reference Number: _____

Date of Grant of Outline Permission: 11/11/10

5. Location of Proposed Development:

Postal Address or Townland or Location (as may best identify the land or structure in question)	AGHAGCREE, CLONEE, BANTRY, Co. CORK
Ordnance Survey Map Ref No (and the Grid Reference where available)	6681 (DIGITAL MAP No.) CK 118, CK 131 (OSI MAP REF. No's)

6. Where Applicant is a Company (registered under the Companies Acts 1963 to 1999):

Name(s) of company Director(s)	—
Registered Address (of company)	—
Company Registration No.	—
Telephone No.	—
Email Address (if any)	—
Fax No. (if any)	—

Reg. No.
Planning (West) Department
01 APR 2010
Cork County Council
 Norton House, Skibbereen,
 Co. Cork.

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7. Person primarily responsible for preparation of Drawings and Plans:

Name	Eoin Cahalane
Address	BAWNLAWAN, UNION HALL, Co. CORK
Telephone No.	—
Mobile No. (if any)	086-1661047
Email Address (if any)	cahalane.eoin@yahoo.ie
Fax No. (if any)	—

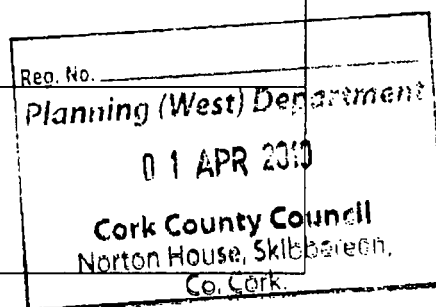
8. Description of Proposed Development:

Brief description of nature and extent of development	EXPANSION of PIG REAR TO A 560 SOW INTEGRATED PIG UNIT COMPRISING THE CONSTRUCTION of 1 NO. LOOSE DRY SOW HOUSE, 1 NO. FARROWING HOUSE, 1 NO. STAGE ONE WEANER PIG HOUSE, 1 NO. STAGE TWO WEANER PIG HOUSE, 3 NO. FINISHER PIG HOUSES AND ASSOCIATED WORKS IN ORDER TO COMPLY WITH ANIMAL WELFARE AND NITRATES LEGISLATION.
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9. Legal Interest of Applicant in the Land or Structure:

Please tick appropriate box to show applicant's legal interest in the land or structure	A. Owner <input checked="" type="checkbox"/>	B. Contracted to Purchase
	C. Leasee	D. Other
Where legal interest is 'Other', please expand further on your interest in the land or structure	—	
If you are not the legal owner, please state the name and address of the owner and supply a letter from the owner of consent to make the application as listed in the accompanying documentation	—	



10. Site Area:

Area of site to which the application relates in hectares	1.9 ha
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11. Where the application relates to a building or buildings:

Gross floor space of any existing building(s) in m ²	4396
Gross floor space of proposed works in m ²	5666.8
Gross floor space of work to be retained in m ² (if appropriate)	—
Gross floor space of any demolition in m ² (if appropriate)	—

12. (i) Description of buildings and materials used in them:- Nature Colour

- | | |
|--------------------------|-------------------------------------|
| (a) Floors | (a) CONCRETE SLATS GREY |
| (b) Walls and partitions | (b) SAND/CEMENT RENDER / RAP FINISH |
| (c) Roof | (c) STYROFOAM PANELS |

(ii) Nature and colour of proposed external facing materials:-

- | | |
|---|-------------------------------------|
| (a) Roofs | (a) TEGRAL PROFILED SHEETING / GREY |
| (b) Front Walls | (b) RAP FINISH RENDER / GREY |
| (c) Side Walls | (c) " " " " |
| (d) Rear Walls | (d) " " " " |
| (e) Road boundary walls | (e) " " " " |
| (f) Other boundary walls | (f) " " " " |
| (g) Buildings other than main buildings | (g) " " " " |

13. Where the application refers to a material change of use of any land or structure or the retention of such a material change of use:

Existing use (or previous use where permission for retention is sought)	—
Proposed use (or use it is proposed to retain)	—
Nature and extent of any such proposed use (or use it is proposed to retain)	—

Reg. No. _____
Planning (West) Department
01 APR 2010
Cork County Council
 Norton House, Skibbereen,
 Co. Cork

14. Development Details

Please tick appropriate box	Yes	No
Does the proposed development consist of work to a protected structure and/or its curtilage or proposed protected structure and/or its curtilage? <i>See note at 9 of explanatory leaflet</i>		<input checked="" type="checkbox"/>
Does the proposed development consist of work to the exterior of a structure which is located within an Architectural conservation area (ACA)? <i>See note at 9 of explanatory leaflet</i>		<input checked="" type="checkbox"/>
Does the application relate to development which affects or is close to a monument or place recorded under section 12 of the National Monuments (Amendment) Act, 1994		<input checked="" type="checkbox"/>
Does the application relate to work within or close to a European Site (under S.I. No. 94 of 1997) or a Natural Heritage Area?		<input checked="" type="checkbox"/>
Does the proposed development require the preparation of an Environmental Impact Statement?	<input checked="" type="checkbox"/>	
Does the application relate to a development which comprises or is for the purpose of an activity requiring an integrated pollution prevention and control licence?	<input checked="" type="checkbox"/>	
Does the application relate to a development which comprises or is for the purposes of an activity requiring a waste licence?		<input checked="" type="checkbox"/>

VERTISING

Evening Echo, Saturday, March 27, 2010

Deaths and Remembers

Cork 021-4274455
familynotices@eecho.ie

BEREAVEMENTS WHICH TOOK PLACE THIS WEEK

On March 25, 2010, peacefully, at his residence in MES (Mervue area), (late of Brigade and early beloved of late Sheila, of Orla, much loved of Saoirse, James.

On March 21, 2010, peacefully, DAN-Y PARK, Mayved son of a and loving n. Gavin, Alan, mel and much of Nicole and of Aolbhe.

irley (Cork): 2010, unexpected son of, Comeragh and loving is, Natalie, ily and Dawn.

aduff Road, ch 22, 2010 at home, TOM, Owen, Brian other of the t President of y Club).

On March 25, 2010, peacefully, at home, ROAD, JOHN, loving husband of Frances (nee Crowley), father of a, Margaret, r. Dolores, n, Thomas and

Madden (Cork): On March 23, 2010, peacefully, at the Sacred Heart Convent, Blackrock, SR JOAN, a member of the Congregation of Sisters of The Sacred Heart of Jesus and Mary (late of Maiville Terrace, Turners Cross), dearly loved sister of the late Fr Jerome O.S.A., Neilus, Tim, Maureen, Norris, Jack, Neil and Fr Paddy O.S.A. and loving aunt of Sr. Mary Moloney (Presentation Sisters, Chile).

Mullane (Cork): On March 25, 2010, peacefully, at the Mercy University Hospital, JOE (late painter, Cork City Male Voice Choir and Founder Member of the Cathedral Credit Union), Blair's Hill Nursing Home and late of Roman Street, husband of Phyllis and loving father of Pat, Siobhan, Martin and Frank.

Murphy (Cork): On March 25, 2010, peacefully, at the Cork University Hospital, after a long illness bravely borne, CATHERINE (CHRISTIE, nee Moloney), Kilnap Place, Farranree, beloved wife of Dominic and loving mother of Mary, Brian, Alan and Caroline.

O'Donoghue (Cork): On March 20, 2010, unexpectedly at his home, Briar's Court, Shanakiel, MICHAEL late S.H.B. Ambulance Driver beloved husband of Mary and loving father of Marguerite, Daniel, Mike and Denise.

O'Hanlon (Carrigrohilly and Ardagh, Co. Limerick): On March 21, 2010, unexpectedly at Cork University Hospital, MARY, (nee Daly), late of Tuilaghriena, Carrigrohilly, beloved husband of James (Jim) and dear mother of Pat, Gerard, Margaret, Dan, Eamon, Majella, John, Olivia, Michael, Maurice and Patricia.

O'Leary (Clareville, Pouladuff Road): On March 20, 2010, peacefully, at home, surrounded by his loving family, JIM (SEAMUS) (late of Cork County Council).

O'Mahony (Cork): On March 21, 2010, peacefully, at Marymount Hospice, EILEEN (GALLIE), Halldene Avenue, Bishopstown, dearly loved wife of Peter and much loved mother of Robert, David and Greg.

Ring (Murmour Crescent, Montenotte and formerly of Upper Lotabeg, Mayfield, Cork): On March 19, 2010, following an accident, LIAM, dearly beloved husband and best friend of Elaine, darling dad of Shaunagh, Olsin and Cullen.

Ring (Nazareth House, Mallow and Cork): On March 25, 2010, peacefully, in the loving care of the Sisters, nurses and staff of Nazareth House, FLORRIE, late of Farranferries Place, Farranree, Cork, dearly beloved son of the late Bertie and Maureen.

Thompson (Cork): On March 23, 2010, peacefully, at Maryborough Nursing Home, MARY (nee Crowley), beloved wife of William Paul (Biarney Street) and loving mother of Geraldine, Willie, Tony, Eileen, John and Vincent.

Legal Section

Planning Notices

Cork County Council: Mr Don French wishes to apply to the above authority for planning permission to expand his pig herd to a 560 sow integrated pig unit comprising the construction of 1 no. loose dry sow house, 1 no. farrowing house, 1 no. stage one weaner pig house, 1 no. stage two weaner pig house, 3 no. finisher pig houses and associated works in order to comply with animal welfare and nitrates legislation at Aghagooheen, Cloonea, Bantry, Co. Cork. An Environmental Impact Statement (E.I.S.) has been prepared and will be submitted to the Planning Authority with this application and will be available for inspection or purchase at a fee not exceeding the reasonable cost of making a copy during public opening hours, at the offices of the Planning Authority. This development comprises of an activity in relation to which a license under Part IV of the Environmental Protection Agency Act 1992 as amended by the Protection of the Environment Act 2003 is required. 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 5 weeks beginning on the date of receipt of the application by the authority of the application.

Cork County Council
Loughlin Hickey
apply for planning
permission to
1) construct a
pitched roof
as a garage
use, garage
nasium, 2) a
high chisel
perimeter
weather
retain ex
entrance
4) site

Evening Echo

CLASSIFIED VERTS

Ways to place your ad

BY PERSON Call to our offices at Evening Echo, Barter, Lapps Quay, Cork

to Friday, 9am-5.30pm
day, 9.15am-12.30pm

BY PHONE

Phone our Tele Sales
Department on
1-4274455
to Friday, 9am - 5.30pm

BY EMAIL

Mail your advert to:
@eecho.ie

Recruitment Section

Situations Vacant

1 Sales Rep

€40k OTE, own car, full training. Bob 086-8367267

1 sales rep required, must be car owner. Contact Tim 087-7701571.

Salespeople

Door to Door Sales people wanted for Fashion Clothing. Full-time or Part-time. May suit Students. Contact Andrew. 086-1706895

A Great Sales Opportunity

3 Reps required for a leading telecommunications Co. to promote our business and residential phone & broadband products. Sales experience required + own car essential. OTE €40,000PA. 021 4835555/087 2575662

Aloe Vera

agents. Earn € 200-€ 500 p/month. Tel: 048-38328181

Are you allowed to work 15-18 hours a week and have a PSV licence for driving taxis. Call 087-2564093.

A Taxi to Lease

in busy base. New licence holders welcome. Also Drivers wanted. Ph:086 2594117

Beauty Therapist required part-time. Ph: 085-7200487

Dillons Cross cabs require owner drivers. Tel. 087-9613480

Do you want to work for yourself but be part of a team? 087-6493180

Earn €500p/m 086 3797557
www.secondincome.ie

Fenton Truck & Trailer req

- Metal Fabricator with experience on commercial vehicles. Mechanical ability an advantage.
- Mechanic for light / heavy

NOTICE TO ADVERTISERS

Condition of acceptance of advertisement orders that the advertiser does not
be the insertion of any particular advertisement on specific date or at all,
every effort will be made to meet the wishes of that advertiser.

SITE NOTICE

I, Don French

Permission ☒

Outline Permission ☐

Permission for Retention ☐

Permission consequent on the grant of outline permission ☐
(Ref. No. of outline permission; _____)³

For development of this site at Aghagooheen, Cloonee, Bantry, Co. Cork

The development will consist/consists⁵ of Expansion of pig herd to 560 sow integrated pig unit comprising the construction of 1 no. loose dry sow house, 1 no. farrowing house, 1 no. stage one weaner pig house, 1 no. stage two weaner pig house, 3 no. finisher pig houses and associated works in order to comply with animal welfare and nitrates legislation. An Environmental Impact Statement (EIS) has been prepared and will be submitted to the Planning Authority with this application and will be available for inspection or purchase at a fee not exceeding the reasonable cost of making a copy during public opening hours at the offices of the Planning Authority. This development comprises of an activity in relation to which a license under Part IV of the Environmental Protection Agency Act 1992, as amended by the Protection of the Environment Act 2003 is required.⁶

The planning application may be inspected or purchased at the offices of the Planning Authority, Norton House, Skibbereen, Co. Cork, during its public opening hours, i.e. 9.00a.m to 4.00 p.m. Monday to Friday (excluding public holidays).

A submission or observation in relation to the application may be made in writing to the planning authority within the period of 5 weeks beginning on the date of receipt by the authority of the application, on payment of a fee of €20.

Signed: Jason Carroll (Agent)

TEAGASC, MOOLGARRA, FERMOY, CO. CORK

Date of erection of site notice 29/3/2010⁸

See directions for completing this notice attached to this form.

Farm Structures Record

Class 7							Class 8				Class 9										
ANIMAL HOUSING							DAIRY (cows, silos, soiled yards)				STORAGE BUILDINGS, CLEAN YARDS										
ID. No	Description of structure	Animal Type	Animal No.s	Discharge to: (ID No.)	Length (metres)	Width (metres)	Area (m²)	ID. No	Description of structure	Discharge to: (ID No.)	Length (metres)	Width (metres)	Area (m²)	ID. No	Description of structure	Length (metres)	Width (metres)	Area (m²)			
A. EXISTING STRUCTURES IN FARMYARD							A. EXISTING STRUCTURES IN FARMYARD				A. EXISTING STRUCTURES IN FARMYARD										
1	Dry Sows	Pig	220	1	42.6	21.3	907							3	Office/Store	11.3	7.7	87			
2	Farrowing	Pig	60	2	45.5	11.8	537														
4	1 st Weaner	Pig	700	4	36.5	8.0	292														
5	2 nd Weaner	Pig	700	5	36.5	12.8	467														
6	Finisher	Pig	550	6	55.0	12.1	665														
7	Fattening	Pig	360	7	26.4	12.8	338														
8	Finisher	Pig	840	8	74.4	14.8	1103														
B. PROPOSED NEW STRUCTURES							B. PROPOSED NEW STRUCTURES				B. PROPOSED NEW STRUCTURES										
9	Finisher A	Pig	1035	9	100.8	14.8	1491.8														
10	Finisher B	Pig	1155	10	100.8	14.8	1491.8														
11	Finisher	Pig	330	11	28.8	14.6	420.8														
12	2 nd Weaner	Pig	750	12	59.4	11.6	689.0														
13	1 st Weaner	Pig	750	13	49.7	6.14	305														
14	Farrowing	Pig	60	14	37.7	13.7	516.5														
15	Dry Sows	Pig	220	15	35.3	21.3	751.9														
Total Area (m²)							9975.8							Total Area (m²)				87			

Registered
 Planning (West) Dept
 01 APR 2010
 Cork County Council
 NOTION HOUSE, SPILLING STREET
 CORK, CO. CORK

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 Consent of copyright owner required for any other use.

C. EXISTING SLURRY AND SOILED WATER STORAGE FACILITIES

ID. No	Description (open, slatted, precast, etc)	Effluent type stored	Length (metres)	Width (metres)	Depth (metres)	Volume (m ³)
1	Dry Sows	Pig Manure	42.0	20.7	1.2	1043.3
2	Farrowing	Pig Manure	44.9	11.2	0.92	462.6
4	1 st Weaner	Pig Manure	35.9	7.4	0.6	159.4
5	2 nd Weaner	Pig Manure	35.9	12.2	1.2	525.6
6	Finisher	Pig Manure	54.4	11.5	1.8	1126.0
8	Finisher	Pig Manure	73.8	14.2	1.8	1886.4
Total Volume (m ³)						5203.3

D. PROPOSED SLURRY AND SOILED WATER STORAGE FACILITIES

ID. No	Description (open, slatted, precast, etc)	Effluent type stored	Length (metres)	Width (metres)	Depth (metres)	Volume (m ³)
9	Finisher A	Pig Manure	100.2	14.2	1.2	1707.4
10	Finisher B	Pig Manure	100.2	14.2	1.2	1707.4
11	Finisher	Pig Manure	28.5	14.0	1.8	718.2
12	2 nd Weaner	Pig Manure	58.8	11.0	1.8	1164.24
13	1 st Weaner	Pig Manure	49.1	5.54	1.8	489.6
14	Farrowing	Pig Manure	37.1	13.1	0.92	447.0
15	Dry Sows	Pig Manure	35.0	20.7	1.2	869.4
Total Volume (m ³)						7103.24

WE HEREBY DECLARE THAT THE ABOVE INFORMATION AND THE ACCOMPANYING LAYOUT PLAN ARE A TRUE RECORD OF EXISTING AND PROPOSED STRUCTURES FOR THIS FARM.

Prepared by F. de Cabalane Date 29/3/2010

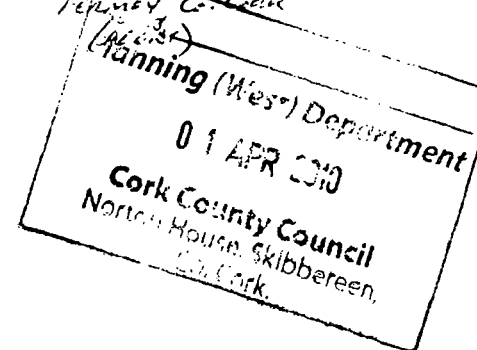
Applicant's signature *Clairin Carroll* Date 29/3/2010

*Tengise, Moore, Carr,
Tengise, G. Carr*

Total Gross Volume Of storage = 12306.5 cubic meters

Subtract 300mm for gasses (volume) = 2737.2 cubic meters

Net Volume of Storage of: = 9569.3 cubic meters





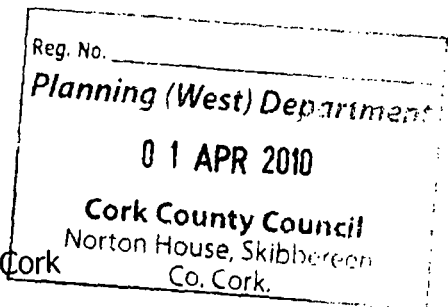
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ENVIRONMENTAL IMPACT STATEMENT

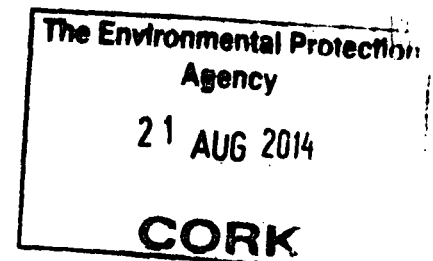
In respect of
a pig rearing installation,

at
Aghagooheen, Cloonee, Bantry, Co. Cork

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Prepared by
Ciaran Carroll
Pig Development Officer
Teagasc



For
Mr. Don French, Aghagooheen, Bantry, Co. Cork

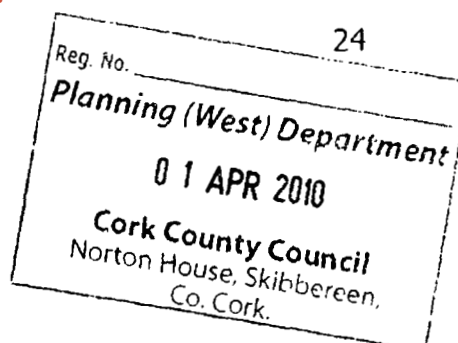
March 2010

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ATTACHMENTS

- Attachment 1. Site Layout plan.
- Attachment 2. Schedule of pig Houses in the site.
- Attachment 3. Calculation of manure production and the storage capacity in the site.
- Attachment 4. Fertiliser Plan (Confidential)



Non-Technical Summary.

Reg. No. _____
Planning (West) Department
01 APR 2010
Cork County Council
in accordance with
the Planning & Development Regulations 2002.
Co. Cork.

This statement is prepared in respect of an integrated pig unit in accordance with the Planning & Development Regulations 2002. It is in support of an application for planning permission for structures in which to rear pigs. The proposed development relates to pig housing in an existing yard at Aghagoohleen (Bantry)/Cloonee (Durrus), Bantry, Co. Cork. The pigs to be housed would be reared for sale to the pig meat processing industry. The existing capacity of the site is 280 sows and that following the proposed development will be 560 sows and their progeny to be reared to finisher sale weight. This is greater than the capacity for which an Integrated Pollution Prevention and Control Licence is required, and so an application will be submitted to the EPA for an IPPC licence. The expanded enterprise would then provide full-time employment for the owner, supported by 3 full time staff. The site drains naturally through a field drain to a gravel soakaway. Storm water from roofs and clean yards will discharge to field drainage. 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 Cork. The existing site is adjacent to a local road about 1 mile from the Drimoleague/Bantry (R586) road. It currently accommodates an integrated herd of 280 sows and their progeny reared to finisher sale weight. The structures for which permission is sought would be about 300m from the road. The purpose of the new structures are to provide extra accommodation for the increased herd size taking account of (1) loose housing and farrowing accommodation to comply with animal welfare regulations, (2) to provide for an increase in floor area for weaners and finishers to comply with animal welfare regulations and to meet the requirements of pig meat processors who are now looking for a heavier pig and, (3) to provide for a greater "down time" for washing/drying/disinfection of pens between batches of pigs as currently recommended best practice for pig health & hygiene purposes.

Reg. No.

Planning (West) Department

01 APR 2018

Cork County Council
Norton House, Skibbereen,
Co. Cork.

The planting of shrubs and trees on a low embankment on the periphery of the site would blend the site into the landscape. The site is not in an NHA, SAC or SPA site and does not threaten any such site in any way.

The only hazardous waste generated in the enlarged site would be spent fluorescent lighting tubes and veterinary waste (medicine containers, used syringes and needles). The annual quantity of each of these classes of waste generated in the site would be less than 100kg. It is proposed to accumulate the used fluorescent tubes in a specified 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 periodic collection by an authorised collector for disposal at an authorised disposal site.

Weekly output of pigs for sale from the enlarged site would be about 250 animals. The associated weekly output of pig manure would be about 148.5m^3 , or $7,723\text{m}^3$ 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. 101 of 2009 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 S.I. 101 of 2009, the relevant Regulations that have given effect to the Nitrates Directive in Ireland. It is proposed that all dispatches of manure from the tanks on the site will 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.

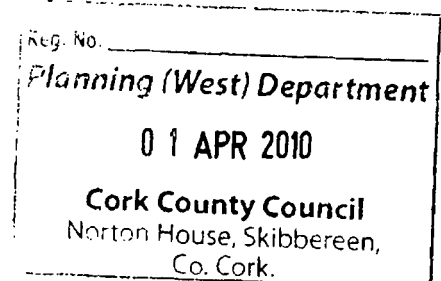
The proposed on-site storage capacity for pig manure in the enlarged site will be about $12,306.5\text{m}^3$ or $9,569.3\text{m}^3$ after deductions for freeboard, sufficient for

almost 64 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 15 October and 12 January in any year except with the consent of the planning authority or any other relevant authority. Outside that period, manure would 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. 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 nearest third party dwelling is 230 metres from the site. The applicant's own dwelling is about 150 metres from the site.

A small proportion of animals born and maintained in a farm die prematurely. An authorised contractor would regularly remove the carcasses of those animals that will die in the site to an authorised rendering plant, 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.



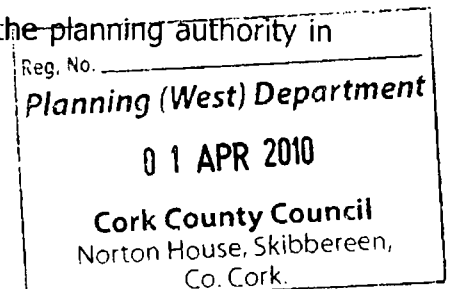
Introduction

This Environmental Impact Statement (EIS) is compiled following an Environmental Impact Assessment of an existing integrated pig enterprise operated on a site in Aghagoohleen, Cloonee, Bantry, Co. Cork.

The Statement is to be submitted to Cork County Council in support of an application for Planning Permission. The scale of the proposed development is above the threshold for Class 1(e) (ii) activity, "*Installations for intensive rearing of pigs not included in Part 1 of this Schedule which would have more than 2,000 places for production pigs (over 30 kilograms) in a finishing unit, more than 400 places for sows in a breeding unit or more than 200 places for sows in an integrated unit*". The proposed installation is to be an integrated unit for the rearing of pigs, based on a maximum herd of 560 sows. This statement is drafted with particular regard to Article 94 and Schedule 6 in the 2001 regulations, and is submitted to provide information that may be helpful to the planning authority in making its decision on the application for permission.

1(a). Description of the proposed development.

The proposed development involves an extension to an existing facility for the rearing of pigs which currently accommodates 280 sows and their progeny to finisher sale weight. The extension sought is specifically designed to provide for the rearing of pigs for sale to the meat processing industry for the production of pig meat products for human consumption. The purpose of the new structures are to provide extra accommodation for the increased herd size taking account of (1) loose housing and farrowing accommodation to comply with animal welfare regulations, (2) to provide for an increase in floor area for weaners and finishers to comply with animal welfare regulations and to meet the requirements of pig meat processors who are now looking for a heavier pig and, (3) to provide for a greater "down time" for washing/drying/disinfection of pens between batches of pigs as currently recommended best practice for pig health & hygiene purposes. The location of the proposed development is in a rural, farming area in



Aghagooheen, Cloonee, Bantry. It is accessed by a local by-road about 1 mile from the Drimoleague/Bantry (R586) road. The site is about 200 m from the local by-road.

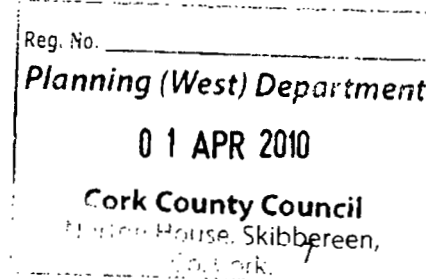
The site is level ground, elevated about 5m below the adjacent access road.

According to the Geological Survey of Ireland the aquifer classification appropriate to the site and the surrounding area is a minor aquifer. It is protected in the vicinity of the proposed development by a layer of clay greater than 2.5m deep, verified by previous excavation on the site. This information was submitted as part of an E.I.S. submitted with the application for planning permission for the existing pig unit carried out in 1997 (Reference No. 96/2487).

The lay-out of the proposed development is shown on the Site Layout plan attached (Attachment 1). The site is small and compact, and is designed to be safe, secure and efficient in operation.

The proposed development comprises steel framed structures with insulated concrete or steel side cladding, to enclose slatted pens in which pigs will be accommodated and fed, and under-slat tanks in which manure will be collected and stored pending dispatch to farmers who order a supply for use by them on their farmlands. It also includes an area on which a container for dead pigs will be parked pending periodic collection for transport to an authorised rendering plant.

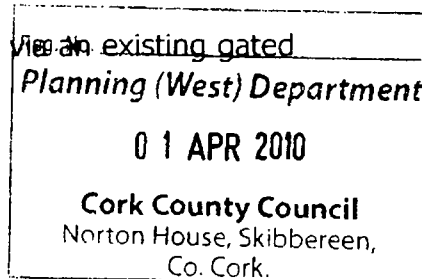
All dispatches of pigs from the site would be through the loading bay adjacent to the finisher pig house. All dispatches of pig manure from the site would be from one or other of the manure extraction points to be located around the perimeter of the structures, and through the yard gate, to the public road. Lay-out and facilities are designed to provide for best practice within this industry and to minimise potential sources of pollution.



The scale of the proposed development is small by current industry standards and will bring the unit capacity almost up to the National Average herd size of about 587 sows. Output of pigs will be about 250 pigs per week, (almost 13,000 pigs per year).

The main structures will have a total floor area about 9,438.8 m², all of which will be for the accommodation pigs or to provide access to pigs. The main structures (finisher houses A and B) will be 100.8m long and about 14.8 m wide, 1.86 m high at the eaves and 2.9 m high at the apex. The tallest structure (dry sow house) will be 6.35m high. They will not be intrusive in the landscape. [See Attachment 2.]

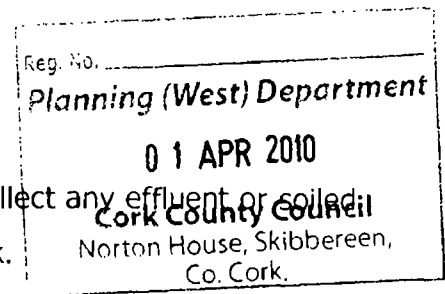
Access from the public road is to be direct into the farmyard via an existing gated entrance, 4.0 m wide.



1(b). Measures envisaged in order to avoid, reduce and if possible, remedy significant adverse effects.

The measures considered necessary are:

- (i) Provision of sufficient and safe access to the site and measures to avoid excessive soiling of the public road during construction on the site.
- (ii) A secure fence around the site and effective landscaping comprising hedging, trees, and landscaped earth embankments where necessary, to screen the installation from obtrusive view from the public road and to blend it into the rural landscape.
- (iii) Provision of a storm water drainage system to properly collect and discharge to field drainage all clean rainwater from roofs and clean surfaces.



- (iv) Provision of soiled water drains to properly collect any effluent or soiled water and divert it to the nearest manure tank.
- (v) The collection and the removal from the site of all animal manure and soiled waters to be used by local farmers as fertiliser on their farmlands.
- (vi) The collection and the removal from the site of hazardous waste materials (spent fluorescent lighting tubes, empty aerosol containers and veterinary waste) generated on the site. Such wastes removed from the site are to be removed only to sites authorised or agreed as appropriate for the disposal or recovery of the waste concerned.
- (vii) The collection and the removal from the site of all dead animals and all animal tissues. Collection to be by an authorised waste collector, for disposal or recovery at an authorised rendering plant.
- (viii) Ensure collection of animal tissues from the site is in appropriate watertight and covered containers, and timely removal so as to ensure minimal generation or release of odours either at the site or during transit to the disposal/recovery destination.
- (ix) Monitor and maintain records of all monitoring of storm water discharges from the site.
- (x) Record and maintain required records of all consignments of waste dispatched from the site.

Implementation of the above will ensure that significant effects on the environment will be avoided and the risk of incidents of environmental significance will be near zero.

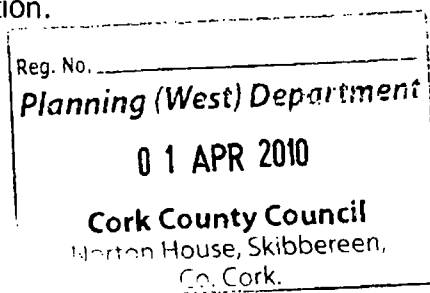
1(c). Data required to identify and assess the main effects that the proposed development is likely to have on the environment.

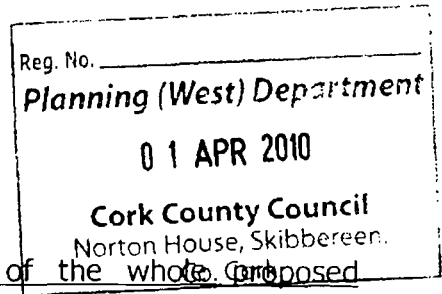
- (i) Knowledge of the environment in which the installation is to be sited,
- (ii) Knowledge of the processes in the proposed installation,
- (iii) The emissions to air
- (iv) The emissions to groundwater,
- (v) Characteristics of the effluent to be treated on site,
- (vi) The emissions to surface waters,
- (vii) The ambient quality of receiving waters,
- (viii) Availability of contractors to transport and treat wastes sent off-site.

This is considered in some detail later in this statement.

1(d). Alternatives studied by the developer and reasons for choice, taking into account the effects on the environment.

If and when the installation for which permission is being sought is authorised and constructed it would be integrated into the existing farm and farmyard enterprise operated by the applicant. The only realistic site for the proposed development is adjacent to the existing pig rearing yard, so that access and services can be easily shared. Accordingly, no other site was considered and there is no other site available to the applicant for consideration.





2. Further information

2(a)(i). Description of the physical characteristics of the whole proposed development and the land use requirements during construction and operation.

The physical characteristics of the proposed development will comprise:

- An entrance through an existing gated access at the public road,
- Landscaping plantations along the boundary between the site and the road and between the site and adjoining farmlands,
- Steel frame structures within which the pigs would be accommodated on slatted floors and fed, [See Schedule of Pig Houses, Attachment 2]
- Underground, under slat reinforced concrete manure tanks in which manure would be collected and stored pending despatch from the site in response to orders from local farmers who would acquire it to maintain the fertility of their farmlands.

Except for the entrance from the public road, all of the structures on the site will be effectively screened from public view or blended in to the surrounding landscape by the green colour proposed for the structures and the landscaping features described.

During the construction phase, which would extend over a period of about 4 months, that part of the site in the vicinity of the area on which the proposed development is to be done would be a typical farmyard construction site. All of the construction materials and equipment required would be transported in to the site by road. It is planned that all of the soil that would be moved during the laying on of services and site preparation works would be deposited and used within the site for land levelling and landscaping. It is not intended to remove any soil/earth from the site. The construction contractor would be required to remove any construction wastes other than soil from the site for disposal or recovery in authorised sites elsewhere.

2(a)(ii). A description of the main characteristics of the production processes; nature and quantity of materials used.

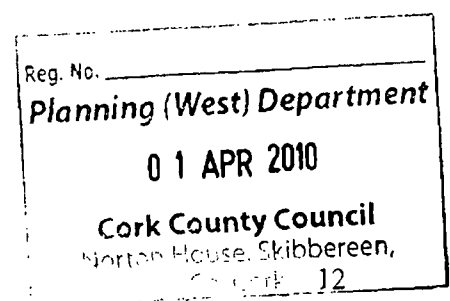
The processes on the proposed site would be:

- The breeding and feeding of pigs,
- The dispatch of all animal tissue and other solid waste materials from the site for disposal or recovery at agreed / approved sites, and
- The collection of all animal manure and soiled waters generated within or around the new animal housing in manure tanks pending dispatch to a customer farmer for use on his farmland.

The main input materials to be used in the proposed development are water and animal feed. Water will be from the existing pipeline from the units own borehole on site. Pig feed will be industry standard pig rations appropriate to the nutritional requirements of the pigs. There will also be small inputs of veterinary medicines administered in accordance with relevant regulations. Electricity would be used to power all the processes and services on the site, and to heat small areas occupied by piglets.

2(a)(iii). An estimate, by type and quantity, of expected residues and emissions (including water, air and soil pollution, noise, vibration, light, heat and radiation) resulting from the operation of the proposed development.

The expected residues and emissions that will result from the operation of the proposed development are set out in the table below.



01 APR 2010

Residue/ emission	Quantity /year	Ultimate destination	Transporter
Veterinary waste	100kg	Authorised disposal site	To be agreed
Fluorescent tubes	20	Civic Bring Centre	Applicant
Dead animals	24 tonnes	Authorised rendering site	To be agreed
Packaging	100kg	Authorised disposal site	To be agreed

Cork County Council
Norton House, Skibbereen,

Veterinary waste includes used syringes, needles and the containers in which veterinary medicines and similar products (anthelmintics, antibiotics, pesticides, rodenticides, etc) are acquired. It can be accumulated in the site pending an annual collection by an appropriate authorised waste collector to be agreed with the Planning Authority.

Fluorescent tubes are preferred for lighting in animal houses. While they are "long life", it is expected that about 20 will be replaced annually. As the volume is so small, they can be delivered to the local Bring Centre, or an annual collection from the site by an authorised waste collector can be agreed with the Planning Authority.

Packaging (paper and cardboard) derived from the outer covers of various inputs like the veterinary medicine products, and the minor feed ingredients is the only "domestic-type" waste to be disposed from the site. It can be consigned for recovery to the local collector of recyclables.

Dead animals and animal tissues will be accumulated in a sealed water proof steel container on site for collection at two-week intervals for transport to an authorised rendering facility by an authorised waste collector, both of which can be agreed with the Planning Authority.

Animal manure produced in the existing facility is distributed to local farmers in response to their demand and for their use on their farmland. The manure that would be produced by animals to be housed in the proposed development would be similarly distributed. There is a strong local demand for pig manure. The applicant has more customers and more demand than can be satisfied from the existing herd or the enlarged herd that would exist when the proposed extension

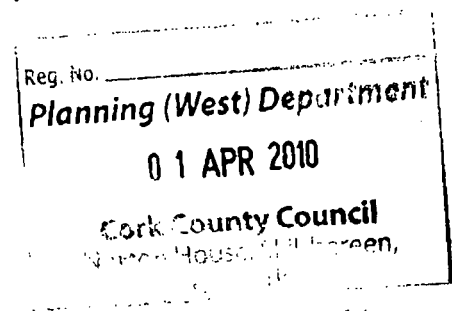
would be fully occupied. The applicant is entitled to supply it to farmers who want it and are not prohibited from using it. The use of animal manure to fertilise farmland is subject to statutory control under S.I. 101 of 2009.

Manure from the site would be supplied in response to customer farmers' demand and in compliance with law. The volumes of manure supplied to the customer farms will be recorded in compliance with S.I. 101 of 2009 legislation. The calculation of expected manure production and of the manure storage capacity in the site is shown in Attachment 3. A fertiliser plan is shown in Attachment 4. This plan shows the amount of pig manure that can be used by 20 of the current customer farms who wish to use pig manure from the unit. As can be seen in this plan the demand for pig manure for these 20 customer farms ($14,204\text{m}^3$) greatly exceeds the available supply from the proposed unit ($7,723\text{m}^3$). This plan is based on compliance with S.I. 101 of 2009 and REPS plans for three of the current customer farms.

There will be no canteen or other staff facilities within the proposed development in the site. Accordingly, there will not be any domestic refuse for disposal from the site. There is a small office and dry store in the site. The small volume of waste paper will be disposed of with the packaging referred to on page 13.

Lighting in the premises will in so far as is possible, be by fluorescent tubes and other energy efficient lighting devices. Spent fluorescent and other specialised light tubes are hazardous waste. The number of tubes to be replaced annually will be small, no more than 20. They will be accumulated in the store area pending delivery periodically to a local Civic Bring Centre, or collection by an authorised contractor that can be agreed with the local Authority.

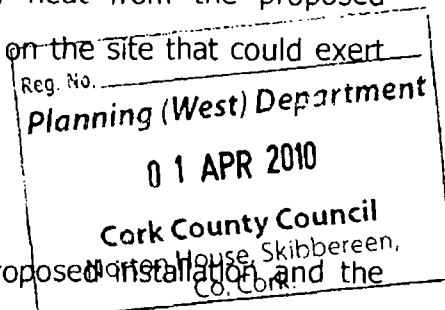
Normal operations on the site of the proposed development will not cause any pollution of soil.



Noise generated in the proposed development in the site would not exceed legal limits at the site boundary. Lighting of the site would be the normal for farmyard sites and would not exert influence or interference outside the site boundary.

There would not be any source of significant vibration on the site.

There would not be any significant dissipation of heat from the proposed development. There would be no source of radiation on the site that could exert significant influence outside the site.



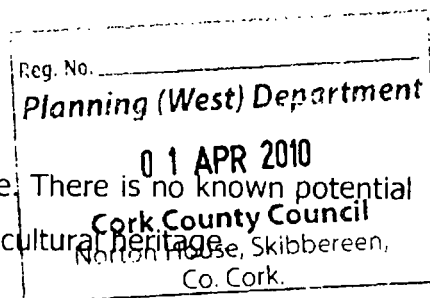
Measures to prevent any significant effect of the proposed installation and the proposed activity on environmental parameters are directed towards ensuring that the systems for collecting wastes and removing them from the site for appropriate treatment in authorised waste treatment installations will be adequate for that purpose. Animal manure will be supplied to local farmers who want it to fertilise their farmland. Waste materials generated in the site will be collected and transported off the site by appropriately authorised waste contractors to be agreed with the Planning Authority for disposal or recovery or recycling in appropriately authorised installations, to be agreed with the Planning Authority, as may be required by conditions included in the Planning Permission if and when granted.

Implementation of the control measures proposed will ensure in so far as it is possible that significant adverse effects on environmental parameters will not occur and that accidental emissions are unlikely.

2(b) Description of the aspects of the environment likely to be significantly affected by the proposed development

There will be no aspects of the environment significantly affected by this proposed development. The potential affects on the environment may be subdivided into effects on people, flora and fauna, soil, water, air, the landscape

and material assets including archaeological heritage. There is no known potential for any adverse issues in relation to architectural or cultural heritage.



Effect on people

Significant effects on people are not anticipated. There are no dwellings so close to the proposed development as to be adversely affected by, or experience significant impairment of amenity due to the proposed development. The dwelling nearest to the proposed development is owned and occupied by the applicant.

The proposed development is unlikely to generate or release sounds or odours that will significantly impair amenity beyond the site boundary. The experience of other similar sites indicates that the legal limits for sound emissions, 55db daytime and 45db night-time are highly unlikely to be exceeded beyond the site boundary.

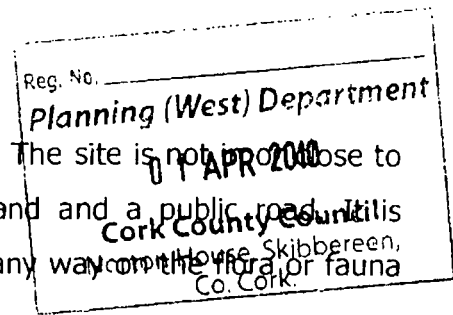
There are no processes proposed which will constantly or regularly release odorous emissions from the site at nuisance levels. Fugitive odour emissions at the site will not be significant and will be limited to times at which animal manure is being removed from collection / storage tanks. In so far as is possible odour emission is to be managed so as to occur at times when the effect within the site or outside it will be minimal.

Based on experience at similar sites elsewhere in the country significant effects are not anticipated. If there are significant affects, people will object and these objections will have to be investigated and have to be corrected if found to be real and justified.

Effect on flora and fauna

The site of the proposed development is currently a farmyard. There is no special or natural flora or fauna associated with such a site. Structures and new paved surfaces will cover a significant fraction of the site and the proposed landscaping will cover and so influence the flora and fauna in a significant fraction of the remainder of the site. The changes will affect such a small area that any impact

will be close to zero or neutral within the local area. The site is not close to any NHA, SAC or SPA. It is surrounded by farmland and a public road. It is considered that the development will not impact in any way on the flora or fauna in any of the surrounding area.



It is considered that the development, managed as is proposed and/or as will be required, will have no measurable impact on either flora or fauna outside the site boundary. An E.I.S. submitted in 1997 with the planning permission application for the existing development (Reference No. 96/2487) arrived at the same conclusion.

Effect on soil

The structure proposed for the site would be constructed on land that is already part of a farmyard. There is no significant potential for any effect on soil.

It might be argued that the 7,723 m³ of pig manure (containing no more than 6.2 tonnes of phosphorus (P)), to be taken from the site and used by local farmers as fertiliser on their farmland might impact on their land. The farmers concerned are and will be entitled to use their farmlands for the production of crops and animals, and to fertilise the farmlands in accordance with good farming practice as specified in S.I 101 of 2009. Fertiliser nutrients (P and N) acquired from the local pig farm will not have to be imported as chemical fertiliser products from outside the state. The fertiliser nutrients in the volume of manure likely to be available for distribution from the site is small in relation to local farm requirements for chemical fertiliser products. It would contain at most 6.2 tonnes of P and 32.44 tonnes of N. It would be sufficient to supply a very modest input of fertiliser to no more than 191 ha farmland that has a significant requirement for fertiliser. The current sample of 20 customer farms provide 872.87 ha farmland (721.3 ha after deductions) on which to use the manure (see Attachment 4). Pig manure used by local farmers would be used for the purpose of supplying plant nutrients that the farmers would otherwise be acquiring from another source. Accordingly, the potential effect of such use of manure on land

outside the site is minimal, if it exists at all. A soil survey report was carried out as part of the E.I.S. for the original planning application submitted in 1997 with the planning permission application for the existing development (Reference No. 96/2487). The soil profile is representative of the Bantry Complex A Series, i.e. Brown Earth and Brown Podzolic soils. There is a good soil overburden at the site. Excavation at the site showed a soil overburden of 2.5 metres (reported in E.I.S. submitted with the original planning permission application for the existing development, Reference No. 96/2487).

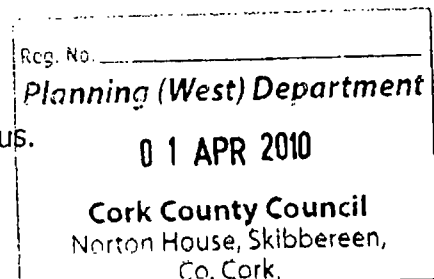
Effect on water

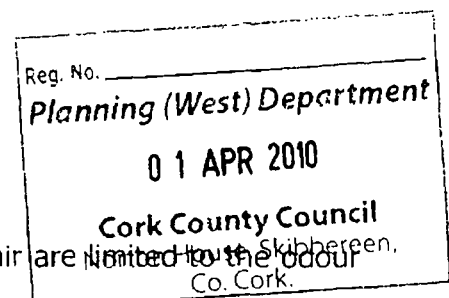
Adverse effect on ground water should be nil, as there would be no discharge to ground and minimal risk of accidental leakage or spillage of polluting liquid on the site. Abstraction of the volume of water needed for proposed operations from either surface water (the local stream) or from ground water would have an insignificant impact on water reserves and resources.

The proposed structures on the site from which dirty / contaminated water might escape to ground, that is the underground manure tanks, are designed to be watertight and leak proof. As a precaution, leak detection drains are to be installed under the new tanks, which drains will lead to a sump at which the impact on drainage water of any significant leak from the tank would be detected.

The only discharge from the site to surface waters will be the discharge of rainwater from roofs and clean yards to field drainage. There will be no discharge of soiled water or effluent to surface water and so the development cannot have any significant impact on surface waters.

The pig unit is in the catchment area of the river Durrus.





Effect on air

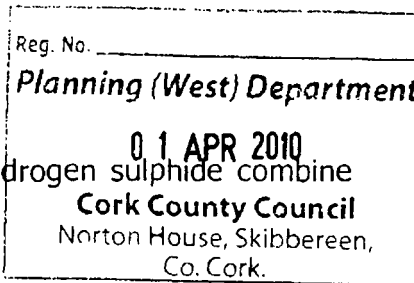
The potential effects of the proposed development on air are limited to the odour emissions that may be associated with pigs and pig manure stored in the manure tanks. While it would be practically impossible to separate the potential emissions from the proposed development from the emissions out of the existing development in the site, it is safe to say that odorous emissions from the enlarged site as whole are not likely to cause nuisance or impair amenity beyond the site boundary. Management of operations on the site to prevent significant pulse releases of odour at times when the effect might be perceptible beyond the site boundary should ensure minimal impact on air in the vicinity of the site.

The compounds which cause odour in pig manure develop during storage. They are derived from the incomplete anaerobic, microbial breakdown of the organic matter (remains of feed intake – carbohydrates, proteins and fats) in the manure. The odour-causing compounds are in general the intermediate products of the natural biodegradation process.

The undisturbed storage of manure in tanks create the anaerobic conditions required by the bacteria. The anaerobic bacteria require temperatures of approximately 35°C for maximum activity. Temperatures in manure tanks generally range between 3°C and 20°C under Irish conditions. Therefore, only limited anaerobic activity results in the accumulation of intermediate products of the breakdown process in the manure. These intermediate compounds are responsible for the mal-odours.

Undigested carbohydrates are broken down to a limited number of compounds such as alcohols, aldehydes, ketones and volatile organic acids. Fats are degraded to volatile organic acids and alcohols. The biodegradation of the proteins in manure is a far more complex process and results in numerous odorous compounds. These include ammonia, organic acids and hydrogen sulphide. There are also reactions between the intermediate compounds resulting in the formation

of odorous compounds, e.g. alcohols, ammonia and hydrogen sulphide combine to produce amines and mercaptans.



The net result is that there are approximately 150 individual volatile or odour-causing compounds in pig manure. No single one of these can be used as a "marker" to define the odorous nature of particular manures. During and following landspreading the compounds which cause odour can cause a nuisance because they are present in relatively high concentrations or because they have a low detection threshold.

The dispersal of the odour following landspreading will be influenced by the wind speed. While a high wind speed will distribute the odour over a relatively large area it will also reduce the concentrations of the odorous compounds in the air. This will result in a faster disappearance of the odour. Slower wind speeds will not provide the conditions for odour dispersal but may result in a slower dilution of the odorous compounds and consequently a slower rate of disappearance.

Approaches to odour control attempt to reduce the concentration of the odour-causing compounds in the air as the weather effects are outside the farmer's control. However, the manure should not be spread when the wind direction is towards neighbour's houses or population centres when the risk of causing a nuisance is greatest. Studies have shown that there is a rapid decline in odour emissions within the first couple of hours following spreading and under normal conditions the odour will have disappeared within 18 hours of the finish of the spreading operation. Farmers, and in particular pig farmers, are aware of the potential odour problem. The use of low trajectory splashplates and band spreaders will significantly reduce the odours emitted. All farmers who use organic manures to fertilise their lands are bound by the Good Agricultural Practice Regulations (S.I. 101 of 2009) in relation to spreading organic manures, taking cognisance of spreading methods, ground conditions, weather forecasts, slopes and buffers zones.

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Effect on archaeological heritage

There are no known archaeological sites and no reason to suspect the presence of such sites within or near the site of the proposed development.

Effect on the Landscape

The site of the proposed development is on an existing farm which blends into the landscape and the proposed development will not alter this, nor will it have any negative effect on amenities or landscape character. The planting of shrubs and trees on a low embankment on the perimeter of the site would further blend the site into the landscape.

Effect on Material Assets

Considerable research has been carried out evaluating the possibility of using the gases generated by manure for the production of energy. However, the production systems developed to date are not economical and not considered best practice.

The manure generated on the farm is a significant source of soil nutrients and will be of significant value to the customer farms which may use the manure as a fertiliser.

2(c) Description of likely significant effects of the proposed development arising from :

(i) The existence of the proposed development

The proposed development is small but it would add to the economic activity on the farm, with consequent "trickle down" positive effect in the region and the local community. Its impact on the landscape would be neutral following the implementation of proposals in relation to landscaping of the perimeter of the site. The impact on traffic on the local road would be insignificant and virtually imperceptible.

(ii) The use of natural resources

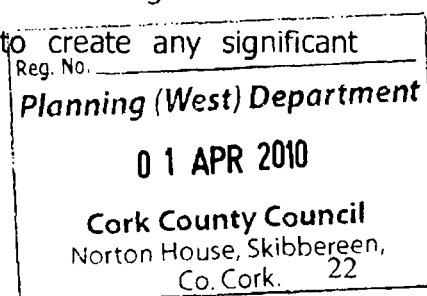
There are no significant negative effects expected in relation to the use of natural resources. There are no processes involved that have a high requirement for fuel energy input. There is a definite requirement for a small volume of water readily available from the existing water source serving the existing site. The function of the development is to breed and rear pigs to be fed on the site and processed elsewhere to produce food for human consumption. The main resource to be consumed would be pig feed, which is classifiable as a natural resource that is a renewable resource.

(iii) The emission of pollutants

Clean storm water will be discharged to a gravel soakaway. Such clean water is not an emission. Site management is to be focused on ensuring that all storm water collection surfaces and facilities are maintained in clean and fully functional condition at all times so that the possibility of storm water carrying significant pollution to the stream is effectively eliminated. The emission of pollutants is to be effectively controlled and prevented by the regular removal of all solid waste materials from the site to authorised disposal/recovery sites elsewhere, and by the distribution of pig manure to local farmers who seek a supply and have a demonstrable need and use for the manure. Accordingly, it is expected that there should not be any significant emissions of pollutants from the site and that there should be no perceptible environmental effect arising from emission of pollutants from the site.

(iv) The creation of nuisances

The proposed development combined with the management routine proposed and required is not expected to create any significant nuisances.

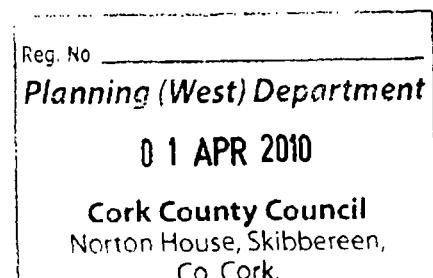


(v) The elimination of waste

The volumes of waste materials to be generated in the proposed development are very small. The opportunity to eliminate any of the waste products does not exist. The opportunity to reduce the volume of waste materials below that which are generated under Good Farming Practice and which will be generated in this proposed development is very small and is near zero. For example, some pigs die prematurely in the site and none that can be saved at an economic cost are allowed to die. Accordingly, the waste that is dead pigs cannot be eliminated and cannot realistically be planned to reduce below the level achievable under current best practice. Similarly, with regard to the hazardous waste in the form of spent fluorescent tubes and veterinary medicine containers, used syringes and needles. The volumes are small and already minimised. Similarly there is no realistic opportunity to reduce the amount of dry matter in the volume of pig manure produced per animal reared to a particular marketable standard. While the applicant can be forever conscious of the Reduce, Reuse and Recycle principle in relation to all waste, there is relatively little that can be done to effect significant further gains in this proposed development.

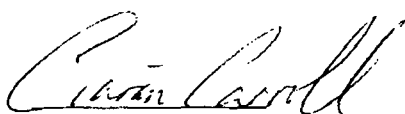
(vi) The forecasting methods used to assess the effects on the environment

Forecasting relies heavily on accumulated experiences of operations in similar developments, and on the knowledge that wastes removed from the site for disposal or recovery elsewhere will have negligible impact on the environment around the proposed development.



2(d) Difficulties encountered in compiling the required information

The processes and technology involved in the construction and operation of the proposed development are standard and well understood. The technical information on which to base an assessment of impact on environmental parameters is readily available in the public domain. There were no particular difficulties encountered and there is no reason to consider that there is any serious risk of error attaching to plans and projections for the treatment of wastes to be generated in the proposed development.



Ciarán Carroll

B.Agr.Sc., M.An.Sc.

Pig Development Officer

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Attachment 1

Site Layout plan

See Six copies enclosed with the Application

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Attachment 2

Schedule of pig Houses in the site

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Farm Structures Record

Class 7 ANIMAL HOUSING								Class 8 DAIRY(etc); SILOS; SOILED YARDS						Class 9 STORAGE BUILDINGS; CLEAN YARDS						
ID. No	Description of structure	Animal Type	Animal No.s	Discharge to: (ID No.)	Length (metres)	Width (metres)	Area (m²)	ID. No.	Description of structure	Discharge to: (ID No.)	Length (metres)	Width (metres)	Area (m²)	ID. No.	Description of structure	Length (metres)	Width (metres)	Area (m²)		
A. EXISTING STRUCTURES IN FARMYARD								A. EXISTING STRUCTURES IN FARMYARD						A. EXISTING STRUCTURES IN FARMYARD						
1	Dry Sows	Pig	220	1	42.6	21.3	907							3	Office/Store	11.3	7.7	87		
2	Farrowing	Pig	60	2	45.5	11.8	537													
4	1 st Weaner	Pig	700	4	36.5	8.0	292													
5	2 nd Weaner	Pig	700	5	36.5	12.8	467													
6	Finisher	Pig	550	6	55.0	12.1	665													
7	Fattening	Pig	360	7	26.4	12.8	338													
8	Finisher	Pig	840	8	74.4	14.8	1103													
B. PROPOSED NEW STRUCTURES								B. PROPOSED NEW STRUCTURES						B. PROPOSED NEW STRUCTURES						
9	Finisher A	Pig	1035	9	100.8	14.8	1491.8													
10	Finisher B	Pig	1155	10	100.8	14.8	1491.8													
11	Finisher	Pig	330	11	28.8	14.6	420.8													
12	2 nd Weaner	Pig	750	12	59.4	11.6	689.0													
13	1 st Weaner	Pig	750	13	49.7	6.14	305													
14	Farrowing	Pig	60	14	37.7	13.7	516.5													
15	Dry Sows	Pig	220	15	35.3	21.3	751.9													
Total Area (m²)							9975.8	Total Area (m²)							Total Area (m²)					87

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C. EXISTING SLURRY AND SOILED WATER STORAGE FACILITIES

ID. No.	Description (open, slatted, precast, etc)	Effluent type stored	Length (metres)	Width (metres)	Depth (metres)	Volume (m ³)
1	Dry Sows	Pig Manure	42.0	20.7	1.2	1043.3
2	Farrowing	Pig Manure	44.9	11.2	0.92	462.6
4	1 st Weaner	Pig Manure	35.9	7.4	0.6	159.4
5	2 nd Weaner	Pig Manure	35.9	12.2	1.2	525.6
6	Finisher	Pig Manure	54.4	11.5	1.8	1126.0
8	Finisher	Pig Manure	73.8	14.2	1.8	1886.4
Total Volume (m ³)						5203.3

D. PROPOSED SLURRY AND SOILED WATER STORAGE FACILITIES

ID. No.	Description (open, slatted, precast, etc)	Effluent type stored	Length (metres)	Width (metres)	Depth (metres)	Volume (m ³)
9	Finisher A	Pig Manure	100.2	14.2	1.2	1707.4
10	Finisher B	Pig Manure	100.2	14.2	1.2	1707.4
11	Finisher	Pig Manure	28.5	14.0	1.8	718.2
12	2 nd Weaner	Pig Manure	58.8	11.0	1.8	1164.24
13	1 st Weaner	Pig Manure	49.1	5.54	1.8	489.6
14	Farrowing	Pig Manure	37.1	13.1	0.92	447.0
15	Dry Sows	Pig Manure	35.0	20.7	1.2	869.4
Total Volume (m ³)						7103.24

WE HEREBY DECLARE THAT THE ABOVE INFORMATION AND THE ACCOMPANYING LAYOUT PLAN ARE A TRUE RECORD OF EXISTING AND PROPOSED STRUCTURES FOR THIS FARM.

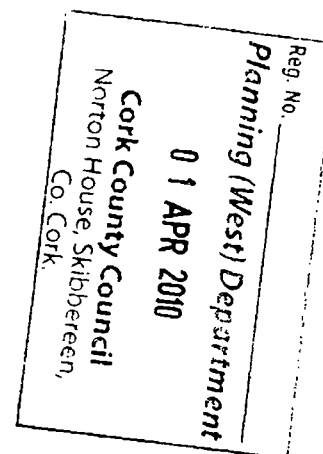
Prepared by: _____ Date: _____

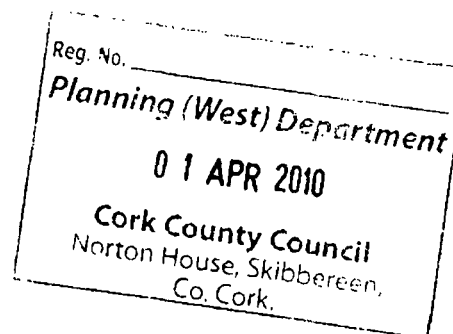
Applicant's signature: _____ Date: _____

Total Gross Volume Of storage = 12306.5 cubic meters

Subtract 300mm for gasses (volume) = 2737.2 cubic meters

Net Volume of Storage of: = **9569.3 cubic meters**



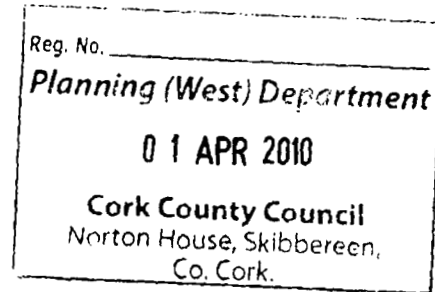


Attachment 3

Calculation of manure production and the storage capacity in the site

Manure Production: Based on S.I. 101 of 2009 a sow plus progeny on an integrated unit will produce almost 0.312m^3 per week. This gives an annual production of $7,723\text{m}^3$ for the proposed development or almost 148.5m^3 per week.

Manure Storage: Based on the above production the unit will require $3,862\text{m}^3$ manure storage capacity. Existing manure storage available on the unit is $5,203.3\text{m}^3$. The proposed development will provide 7103.24m^3 storage, giving a total manure storage capacity of $12,306.5\text{m}^3$. In compliance with S.I. 101 of 2009 deductions of 2737.2m^3 must be made for freeboard resulting in a total nett manure storage capacity on the unit of $9,569.3\text{m}^3$ or almost 64 weeks.



Attachment 4

Fertiliser Plan

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Fertiliser Plan (Confidential)

Farm Id	Name	Area ha	Useable Area ha	Stocking Rate kg N/ha	Total Pig Manure m ^{3 a}	Total Pig manure m ^{3 b}
1	D. French	87.81	65.9	90	1250	923
2	M. Ward	34	20.4	89.4	394	288
3	T. Flynn	34	32.3	110	465	423
4	J. Swanton	76	64.6	66	1605	990
5	J. O'Donoghue	60.49	57.5	25.5	1981	999
6	M. McCarthy	11.5	10.4	79	224	148
7	D. Shorten	2.45	2.2	109	32	28
8	D. Harrington	35	33.3	111.4	467	405
9	T. Harrington	120	96	75.8	2152	1369
10	J. O'Neill	60	36	72.2	837	528
11	J. Ward	16	15.2	64.1	385	233
12	C.O'Sullivan	52	36.4	45.9	1072	589
13	J. O'Brien	36	30.6	104.1	482	396
14	D. Murphy	23	16.1	116	206	205
15	J & P Collins	36.62	31.1	68.2	753	473
16	M. Collins	53.4	42.7	116	553	544
17	S. McCarthy	40	36	103.2	576	481
18	J. O'Donovan ^c	44	44	-	120 ^d	120 ^d
19	M. Cronin ^c	26.3	26.3	-	220 ^d	220 ^d
20	M. French ^c	24.3	24.3	-	430 ^d	430 ^d
Total		872.87	721.3		14,204	9,792

^a Volume Manure based on Organic Nitrogen Requirements, SI 101 2009

^b Volume Manure based on Land Requirement for Phosphorus

^c REPS farms

^d Volume of pig manure allowed as stated in the farm's REPS Plan

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