

ANNUAL ENVIRONMENTAL REPORT

2010

Licence Register No: P0447-01

Licensee: James McGrath

Location of Activity: Ashleigh House,
Ballynameelagh,
Cappagh,
Co. Waterford

July 2011

PREPARED BY: Michael Sweeney & Associates, NRG, Mooresfort, Lattin, Co. Tipperary.

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1. INTRODUCTION

The reports set out in this document are presented as part fulfilment of the licensee obligations under its Integrated Pollution Control License.

LICENSEE;James McGrath

LICENCE REG No.....Reg No P0447-01

LOCATION OF ACTIVITY.....Ashleigh House, Ballynameelagh,
Cappagh, Co. Waterford

I.P.C. CLASS No.....6.2.

I.P.C. CLASS DESCRIPTION:

The rearing of pigs in installations, whether within the same complex or within 100 meters of that complex. Where the capacity exceeds 285 places for sows in an integrated unit, where 'integrated unit' means a piggery in which pigs are bred and reared to slaughter.

2. DESCRIPTION OF SITE ACTIVITIES

This pig production unit is located in a wholly agricultural area in the townland of Ballynameelagh, Cappagh, Co. Waterford, about 3.8 Kilometres due east of Dungarvan.

The unit has been licensed by the Environmental Protection Agency since 28th August 2000, and the operating capacity of the site is set out in Table 1 below;

Animal type	Stock Number as per IPC Reg. 447	Average stock Numbers for 2005	Average stock Numbers for 2006	Average stock Numbers for 2007	Average stock Numbers for 2008	Average stock Numbers for 2009	Average Stock Numbers For 2010
Suckling Sows	199	195	165	165	176	190	195
Dry Sows	701	608	642	642	687	690	668
Boars	20	10	11	11	10	5	6
Maiden Gilts	65	65	60	60	60	61	61
Weaners	3100	2700	2931	2931	2993	3015	3070
Finishers	4500	4100	4389	4389	2498	4272	4376

TABLE 1 Average stocking level at this site. (2005-2010)

3. SUMMARY INFORMATION

6975 tonnes of animal feed, 20,504 M3 water, 193,850 units of electricity, and 13,000 litres of heating oil were utilised on site, during 2010, in the production of pig meat. This data is set out in Table 2, for comparison with 2004/2005/2006/2007/2008/2009 figures.

UNIT	2004	2005	2006	2007	2008	2009	2010
Animal Feed	5283 Tonnes	5363	5170	6100	5640	4,965	6975
Heating Oil	24,500 Litres	23,566	21,275	23,910	31,000	42,000	13,000
Electricity	460,000 Units	439,909	196,757	192,338	194,547	193,447	193,850
Water	20,454 M3	22,306	24,670	20,356	20,504	22,784	20,946

Table 2: Summary of feed, heating oil, electricity & water usage on site

3.1 PIG MANURE STORAGE CAPACITY

The available pig manure storage capacity is recorded weekly on site. This data is summarised in Table 3 hereunder, and presented as the % of storage capacity available at the end of each month. It is clear that there is sufficient suitable storage available on site.

MONTH	2004	2005	2006	2007	2008	2009	2010
January	27	29	34	29	30	24	42
February	30	30	25	40	38	52	52
March	45	70	65	52	51	54	66
April	48	60	60	62	59	65	72
May	52	55	58	50	54	56	75
June	59	65	67	57	53	61	75
July	66	63	61	54	55	57	74
August	68	72	59	45	51	48	70
September	62	77	63	71	68	52	66
October	62	69	54	66	69	63	73
November	50	58	46	51	62	61	62
December	48	46	41	43	53	49	43

TABLE 3: Summary of available pig manure storage capacity.

3.2 PIG MANURE ANALYSES:

The nutrient content of pig manure from this facility is now calculated in line with Table 7, page 37 of S.I. No 101 of 2009 and S.I. 610 of 2010.

3.3 ALTERATIONS TO CUSTOMERS LANDS

There were no alterations to the list of customer farmers using pig manure as a fertiliser product on their agricultural crops during this period

3.4 CONTRACTORS UNDERTAKING DELIVERY OF PIG MANURE.

There were no alterations to the contractors undertaking delivery of pig manure during this period

3.5 PIG MANURE REGISTER

A pig manure register is maintained on site. This register which contains commercially sensitive information is available on site for inspection during normal working hours. The pig manure from this facility is utilised as fertiliser on agricultural crops, on clearly identified parcels of land, in accordance with nutrient requirements, and therefore is not waste, as determined by the European court of Justice.

The manure register maintained on site, records all deliveries of pig manure to customer farmers during 2010. 13,909m³ of pig manure were delivered to customer farms for use as a fertiliser in accordance with their individual fertiliser plans during 2010.

3.6 FERTILISER PLAN

The Fertilizer Plan for 2010 was submitted to the Agency in January, 2010.

3.7 WASTE NOT DESTINED FOR LANDSPREADING

The waste management records for waste not destined for landspreading are included as Attachment No 2. The total volumes of these wastes exported off site during 2004-2010 are set out in Table 4 below.

Waste Type	EWC Code	Total Volume 2004	Total Volume 2005	Total Volume 2006	Total Volume 2007	Total Volume 2008	Total Volume 2009	Total Volume 2010
Pig Carcasses	020102	59.1 Tonnes	51.51 Tonnes	60.22 Tonnes	55.45 Tonnes	57.4 Tonnes	53.9 Tonnes	53.38 Tonnes
Veterinary Waste	180201	6 Kgs	4 Kgs	2 Kgs	4 Kgs	5 Kgs	2kgs	4 Kgs
General Refuse	200301	3.29 Tonnes	3.06 Tonnes	0.52 Tonnes	3.18 Tonnes	0.42 Tonnes	0.74 Tonnes	1.54 Tonnes

TABLE 4: Volumes of waste exported (2004-2010)

3.8 ENVIRONMENTAL INCIDENTS AND COMPLAINTS

There were no complaints received in respect of this facility during this reporting period, and there were no environmental incidents during this period.

3.9 SELF MONITORING DATA.

1. SURFACE WATER DISCHARGE MONITORING

The surface water discharge points at the site are visually inspected weekly, (a copy of this register is included in Attachment No 1), and sampled quarterly. Table 5 outlines the results of surface water discharge analyses. A procedure has now been put in place with the independent laboratory testing storm-water samples from this facility to immediately contact NRGE by Email and fax, in the event that COD readings exceed 30mg/l.

DATE		COD mg/l 2004	COD mg/l 2005	COD mg/l 2006	COD mg/l 2007	COD Mg/l 2008	COD Mg/l 2009	COD Mg/l 2010
1 st QTR	SW1	84	72	53	53	19.8	<1.0	<1
2 nd QTR	SW1	8	25	0	0	21	9	20
3 rd QTR	SW1	18	26	26	26	<1	<1	Dry
4 th QTR	SW1	23	10.6	7	7	<1	<1	<1

TABLE 5 Surface water discharge analyses. (2004-2010)

GROUNDWATER MONITORING

There are two wells located adjacent to this site, which are sampled annually. Table 6 outlines the results of these analyses to date.

Location	DATE	Total Ammonia (mg/l NH ₃ -N)	Nitrate (mg/l NO ₃ -N)	Faecal Coliforms (MPN/100mls)
W1	21/04/08	0.03	12.6	0
W2	21/04/08	0.03	13	0
W1	07/04/09	0.03	9.4	0
W2	07/04/09	0.05	9.2	0
W1	01/11/10	0.26	9.2	0
W2	01/11/10	1.5	9.2	0

TABLE 6: Groundwater Monitoring Results (2008-2010)

4. MANAGEMENT OF THE ACTIVITY

4.1 CORRECTIVE ACTION PROCEDURES

A copy of the corrective action procedure for this site is included as Attachment No 3. There were no Non Compliances issued in respect of this facility during this reporting period.

4.2 AWARENESS AND TRAINING PROGRAMME

A copy of the awareness and training procedure for this site is included in Attachment No 3.

4.3 RESPONSIBILITIES

The organisational chart for environmental management of this site is shown Overleaf.

4.4 COMMUNICATIONS

A copy of the public information programme for this site is included in Attachment No 3.

4.5 VERMIN CONTROL

Vermin control is carried out on site by staff. A register is maintained of these inspections. A copy of this register is included in Attachment No 3.

4.6 NOTIFICATION PROCEDURES

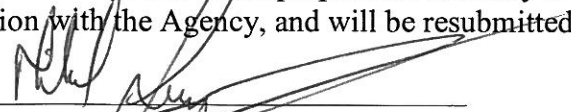
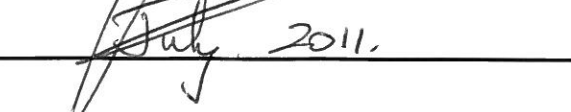
A copy of notification procedure for this site is included in Attachment No 3.

5. TANK AND PIPELINE TESTING AND INSPECTION REPORT

A tank and pipeline inspection proposal was prepared by an engineer for this site, taking account of the hydro-geological aspects of the site, and was submitted to the Agency on 10 July 2007. This proposal is currently being reviewed in light of recent consultation with the Agency, and will be resubmitted shortly, under separate cover.

SIGNED

DATE

ATTACHMENT NO. 1

SURFACE WATER DISCHARGE
MONITORING

IPC LICENSE REG NO 447

LICENSEE:

Jim McGrath

LOCATION:

Ballynameelagh, Cappagh Co Waterford

WEEKLY REGISTER OF INSPECTIONS OF STORMWATER MONITORING POINT

Monitoring Point SW1	Stormwater	Weekly
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DATE	VOLUME	Comments
8-1-10		wet + cleaned
15-1-10		wet clear
22-1-10		wet clear
29-1-10		wet
5-2-10		wet
12-2-10		Wet + cleaned
19-2-10		Wet
26-2-10		Dry + cleaned
5-3-10		Dry + clean
12-3-10		Dry + clean
19-3-10		Wet
26-3-10		Wet
2-4-10		Wet + clear
9-4-10		Clear + cleaned
16-4-10		Clear
23/4/10		Clear + clean
30-4-10		Clear
7-5-10		Clear
14-5-10		Clear
21-5-10		Clear
28-5-10		Clear
4-6-10		wet + cleaned
11-6-10		Clear
18-6-10		Clear
25-6-10		cleaned
2-7-10		Wet + clear
9-7-10		Wet
16/7/10		Wet
23-7-10		Wet + cleaned
30-7-10		Clear

ATTACHMENT NO. 2

WASTE MANAGEMENT
RECORDS

IPC LICENSE REG NO. 447

LICENSEE: Jim McGrath

LOCATION: Ballinameela, Cappagh, Co. Waterford

2009 Waste Management Register

Waste: Animal Carcasses (code no. 020102)

Contractor: Clonmel Fats Ltd.

Destination: Munster Proteins Waterford

DATE	VOLUME Kg	COLLECTED BY
6-1-2010	1300	
12-1-2010	3350	
27-1-2010	3350	
9-2-2010	2020	
23-2-2010	2700	
8-3-2010	2450	
22-3-2010	2100	
6-4-2010	1700	
19-4-2010	1700	
4-5-2010	2600	
17-5-2010	1450	
31-5-2010	2600	
14-6-2010	1750	
28-6-2010	1350	
12-7-2010	1850	
26-7-2010	1300	
6-8-2010	2100	
23-8-2010	1500	
6-9-10	2300	
20-9-10	1700	

ATTACHMENT NO. 3

ENVIRONMENTAL OPERATING
PROCEDURES

IPC LICENSEE REG No P0447-01
LICENSEE JIM MCGRATH
LOCATION BALLYNAMEELAGH, CAPPAGH,
CO WATERFORD

CORRECTIVE ACTION PROCEDURE

IN THE EVENT OF A REPORTED NON COMFORMITY,
RESPONSIBILITY AND AUTHORITY FOR INITATING
FURTHER INVESTIGATION AND CORRECTIVE
ACTION SHALL FOLLOW THE FOLLOWING STEPS

1. DETERMINE THE REASONS WHY THE SPECIFIED REQUIREMENTS WERE NOT MET
2. DRAW UP A PLAN OF ACTION TO CORRECT THE NON COMFORMITY WITH THE SPECIFIED REQUIREMENTS
3. IMPLEMENT PREVENTITIVE ACTIONS TO A LEVEL CORRESPONDING TO THE RISK ENCOUNTERED
4. APPLY CONTROLS TO ENSURE THAT CORRECTIVE ACTIONS ARE TAKEN AND THAT THEY ARE EFFECTIVE
5. IMPLEMENT AND RECORD ANY CHANGES IN PROCEDURES RESULTING FROM CORRECTIVE ACTION
6. PROVIDE SUCH APPROPRIATE TRAINING OR RETRAINING AS MAY BE NECESSARY

PUBLIC INFORMATION PROGRAMME

CONDITION No 2.4.1, of IPC Licence Reg No P0447-01
states

“The licensee shall put in place a programme to ensure that members of the public can obtain information concerning the environmental performance of the licensee at all reasonable times”.

MR JIM MCGRATH (The licensee) IS COMMITTED TO ENSURING THAT MEMBERS OF THE PUBLIC HAVE ACCESS TO ALL RELEVANT DOCUMENTATION, DURING REASONABLE WORKING HOURS. HOWEVER BECAUSE OF DISEASE CONTROL MEASURES, AN APPOINTMENT MUST BE MADE BY CONTACTING 058-68172

THE FOLLOWING DOCUMENTATION IS AVAILABLE TO MEMBERS OF THE PUBLIC, IN THE UNIT OFFICE, AT ALL REASONABLE TIMES

1. IPC License application submitted to the Agency
2. All correspondence with the Agency prior to issue of License
3. All correspondence with, and reports sent to the Agency, since License was issued.
4. Pig manure register
5. Pig manure storage capacity information
6. Complaints register
7. All relevant waste registers maintained on site

NOTE: ALL SITE VISITORS MUST SIGN THE “VISITORS REGISTER”.

SIGNED: _____ DATE: _____
MR JIM MCGRATH

IPC LICENCE REG No P0447-01

FORM

2.2.1

LICENSEE:...JAMES McGRATH

LOCATION:...BALLYNAMEELAGH, CAPPAGH, CO WATERFORD

.....

ENVIRONMENTAL TRAINING PROCEDURE

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- THE LICENSEE IS RESPONSIBLE FOR ENSURING THAT ALL ENVIRONMENTAL TRAINING IS CARRIED OUT.

- APPROPRIATE TRAINING RECORDS ARE KEPT FOR EACH EMPLOYEE

- THESE RECORDS ARE REGULARLY UPDATED

- ALL NEW EMPLOYEES WHOSE JOB HAVE A DIRECT INFLUENCE ON THE ENVIRONMENT RECEIVE TRAINING ON THE COMMENCEMENT OF EMPLOYMENT

- OUTSIDE CONTRACTORS INVOLVED IN PIG MANURE MANAGEMENT ARE REGULARLY CHECKED BY THE LICENSEE TO ENSURE PROPER TRAINING HAS BEEN RECEIVED, AND A COPY OF THE CODE OF PRACTICE FOR LANDSPREADING OF ORGANIC MANURE, IS BEING KEPT ON EQUIPMENT.

REGISTER OF BAITING EVENTS 2010
 ASHLEIGH FARMS
 BALLINMEELAGH, CAPPAGH
 CO WATERFORD

IPC REG 447

POINT NO	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
	22/6	27/6	13/7	27/7	10/8	24/8	7/9	26/9	5/10	19/10	2/11	16/11	30/11			
1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
3	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
4		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
5		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
6	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
7		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
8			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
9	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
10	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
11		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
12	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
13		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
14		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
15		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
16	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
17	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
18			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
19	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
20		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			

0.18
 ✓

ATTACHMENT NO. 4

AER/PRTR SPREADSHEETS



AER Returns Workbook

REFERENCE YEAR	2010
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1. FACILITY IDENTIFICATION

Parent Company Name	Mr James McGrath
Facility Name	Mr James McGrath
PRTR Identification Number	P0447
Licence Number	P0447-01

Waste or IPPC Classes of Activity

No.	class_name
6.2	The rearing of pigs in installations, whether within the same complex or within 100m of the same complex, where the capacity exceeds: 750 places for sows in breeding unit or 285 places for sows in an integrated unit, or 2,000 places for production pigs.
6.2	with 750 places for sows

Address 1	C/O Micheal Sweeney
Address 2	M.S Farm Services
Address 3	Mooresfort, Lattin
Address 4	Co. Tipperary
Country	Ireland
Coordinates of Location	-7.76048 52.1036
River Basin District	IESE
NACE Code	0146
Main Economic Activity	Raising of swine/pigs
AER Returns Contact Name	Michael Sweeney (P0447)
AER Returns Contact Email Address	m.sweeney@nrge.ie
AER Returns Contact Position	Environmental Manager
AER Returns Contact Telephone Number	058-68172/086-8188904
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	058-68316
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	0
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
7(a)(ii)	Installations for the intensive rearing of poultry or pigs (ii)
7(a)(iii)	Installations for the intensive rearing of poultry or pigs (iii)

3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)

Is it applicable?	
Have you been granted an exemption ?	
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

4.1 RELEASES TO AIR [Link to previous years emissions data](#)

SECTION A - SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		RELEASES TO AIR				Please enter all quantities in this section in KGs			
No. Annex I	Name	MIC/E	Method Code	Method Used Description or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	QUANTITY
08	Ammonia (NH3)	C	NRB	EPA Calculation Tool		18174.1	0.0	0.0	18174.1
01	Methane (CH4)	C	NRB	EPA Calculation Tool		0.0	105577.2	0.0	105577.2
05	Methane oxide (N2O)	C	NRB	EPA Calculation Tool		0.0	105.9	0.0	105.9

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B - REMAINING PRTR POLLUTANTS

POLLUTANT		RELEASES TO AIR				Please enter all quantities in this section in KGs			
No. Annex II	Name	MIC/E	Method Code	Method Used Description or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	QUANTITY
						0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION C - REMAINING POLLUTANT EMISSIONS (As required in your Licence)

POLLUTANT		RELEASES TO AIR				Please enter all quantities in this section in KGs			
Pollutant No	Name	MIC/E	Method Code	Method Used Description or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	QUANTITY
						0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

Additional Data Requested from Landfill operators

For the purposes of the Methane Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities. Landfill operators are requested to report their net methane (CH4) emission to the environment under T (total) KG/yr for Section A, Sector specific PRTR pollutants above. Please complete the table below.

Mr. James McGrath

Please enter summary data on the quantities of methane flared and/or utilised

	T (Total) kg/Year	MIC/E	Method Used		Facility Total Capacity m3 per hour
			Method Code	Description or Description	
Total estimated methane generation (as per site model)	0.0	0.0			N/A
Methane flared	0.0	0.0			0.0 (Total Flaring Capacity)
Methane utilised in engines	0.0	0.0			0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0	0.0			N/A

5 ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

Please enter all quantities in the correct units

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz. Waste Licence/Permit No of Next Destination Facility Non-Haz. Waste Licence/Permit No of Recover/Disposer	Haz. Waste Destination Facility Address of Next Recover/Disposer	Name and Licence / Permit No and Address of Final Receiver/Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination (ie Final Recovery / Disposal Site) (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	02 01 02	No	53.38	animal-tissue waste	R3	M	Weighted	Offsite in Ireland	Munster Proteins Ltd,P0040- Christlondom,Ferrybank,Wat erford,Co Waterford,Ireland	Unit 1A Allied Industrial Estate,Kylemore Road,Ballyfermot,Dublin 10,Ireland		
Within the Country	18 02 03	No	0.004	wastes whose collection and disposal is not subject to special requirements in order to prevent infection	D15	E	Volume Calculation	Offsite in Ireland	Eco Safe Systems,P0054-2			

[Link to previous years waste data](#)

[Link to previous years waste summary data & percentage change](#)