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OFFICE OF ENVIRONMENTAL ENFORCEMENT ENVIRONMENTAL PROTECTION AGENCY JOHNSTOWN CASTLE ESTATE WEXFORD

26th May 2010

RE: IPC REG No P0447-01

Dear Sir/Madam,

On behalf of my client Mr James McGrath, of Ballynameelagh, Cappagh, Co Waterford, I herein submit the Annual Environmental Report for 2009 (AER 2009), which has been prepared for this site in compliance with the requirements of the conditions of IPC Licence P0447-01.

I attach one original and two copies for your files. If you should require any further information in respect of this matter, please give me a call.

Yours sincerely,

MICHAEL SWEENEY

Nutrient Recovery to Generate Electricity Ltd. Is Registered at Mooresfort, Lattin, Co. Tipperary. Company Reg. No. 392619. Directors - M. Sweeney, N. Sweeney, E. Mc Eniry, M. Mc Eniry, Secretary.



ANNUAL ENVIRONMENTAL REPORT

2009

Licence Register No: P0447-01

Licensee:

James McGrath

Location of Activity: Ashleigh House,

Ballynameelagh,

Cappagh,

Co. Waterford

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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 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
Suckling Sows	199	195	165	165	176	190
Dry Sows	701	608	642	642	687	690
Boars	20	10	11	11	10	5
Maiden Gilts	65	65	60	60	60	61
Weaners	3100	2700	2931	2931	2993	3015
Finishers	4500	4100	4389	4389	2498	4272

TABLE 1 Average stocking level at this site. (2005-2009)

3. SUMMARY INFORMATION

5640 tonnes of animal feed, 20,504 M3 water, 196757 units of electricity, and 31,000 litres of heating oil were utilised on site, during 2006, in the production of pig meat. This data is set out in Table 2, for comparison with 2004/2005 figures.

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

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

TABLE 3: Summary of available pig manure storage capacity.

3.2 PIG MANURE ANALYSES:

The following table shows the results of the 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.

DATE	LOCATION	IPC code	% DM	Total N (%)	Total P (%)	Total K (%)
23-12-04	Overground Tank 10	447	1.46	2.18	2.02	18.9
23-12-04	Weaner House 14	447	3.76	2.4	3.08	9.90
23-12-04	Dry Sow 19 & 12	447	2.68	2.48	8.11	10.67
23-12-04	Fattening Hse 16 & 22	447	2.16	2.34	2.8	14.26
12-06-06	Overground Tank 10	447	1.73	3.2	3.91	4.52

TABLE 4 Pig manure analyses

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 2009. 13,968m3 of pig manure were delivered to customer farms for use as a fertiliser in accordance with their individual fertiliser plans during 2009.

3.6 FERTILISER PLAN

The fertiliser plan for pig manure from this facility for 2004 was submitted to the Agency in March 2004, and the fertiliser plan for pig manure from this facility for 2005, was submitted on 02 March 2005. A fertiliser Plan for 2006 was submitted to the Agency in January 2006 and the plan for 2007 was submitted on 6 February, 2007. The fertilizer plan for 2008 was submitted to the Agency on 25th January 2008. The plan for 2009 was submitted on 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 2004-2009 are set out in Table 6 below.

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

TABLE 6: Volumes of waste exported

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

TABLE 8 Surface water discharge analyses.

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 following a response from the Agency, and will be resubmitted shortly, under separate cover.

SIGNED

DATE

IPC REGISTRATION NO: PO447-01

ATTACHMENT NO. 1

SURFACE WATER DISCHARGE MONITORING

LICENSEE:

1

Jim McGrath

Stormwater

LOCATION:

Monitoring Point SW1

Ballynameelagh, Cappagh Co Waterford

Weekly

WEEKLY REGISTER OF INSPECTIONS OF STORMWATER MONITORING Point

DATE	VOLUME	Comments
7-8-09		Det
14/8/09		i, cb
21-8-09		With + Cloones
28-8-09		Wet + Clean
5-9-09		Wet of aca
12/9/09		Leb + Clacy
19.9-04		ived + Clac
26-9:09		wet - Clear
2-10-89		Wet + Cleaner
9/18/09		Leat
16/10/09		Web + Cleaner
23-10-09		Web 1
30/10/09		Web 9 Clear
6/11/09		Dety Cleaner
13-11-09		White ?
20-11-09		Web > Cleanes
27-11-09		Web - Clear
4/1409		Web + Clace
11/1909		With the Coccion
18/12/03		Net + Cloan
30 12/09		Web & Choce)

LICENSEE:

Jim McGrath

Stormwater

LOCATION:

Monitoring Point SW1

Ballynameelagh, Cappagh Co Waterford

Weekly

WEEKLY REGISTER OF INSPECTIONS OF STORMWATER MONITORING Point

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IPC REGISTRATION No: PO447-01

ATTACHMENT NO. 2

WASTE MANAGEMENT RECORDS

LICENSEE:

Jim McGrath

LOCATION:

Ballinameela, Cappagh, Co. Waterford

2009 Waste Management Register

Waste:

Paper & Cardboard

Contractor:

Waterford Co Council

Destination: Co Council land-fill site Dungarvan

VOLUME .	DELIVERED BY
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Paper bors (3110Kg)	И
TOPE RUS 10 40 AS	
	Volume Paper bags (locky) Paper bags (340kgs)

LICENSEE:

Jim McGrath

LOCATION:

Ballinameela, Cappagh, Co. Waterford

2009 Waste Management Register

Waste:

Veterinary Waste (code no. 180201)

Contractor:

Healthcare Initial

Destination:

Sterile Technologies IRL

DATE	VOLUME	COLLECTED BY
18-509	1X (O CILSTANS 1X 12 GR Shap's	Delle Y con Sh
23.11-09	1× 12 can shap's	Celen Xa Sto
,		

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	COLLECTED BY
5/1/09	3000 kg	
20-1-09	3300 Kg	
2/2/09	2170 Kg	
16-2-09	1880 Kg	
2-3,09	2000	
16/3/09	2500	
30/3/09	2090	
15 4/09	2240	
27/4/09	204048	
11/5/09	770 Kg	
22/5/09	1500 kg	
8-6-09	1750 kg	
22 6-09	2520 kg	
7-7-09	2500 KG	
20-7-09	1500 kg	
5-8-09	17504	
17-8209	1800kg	
26/8/09	1900 Adg	
14/9/09	3200 ftg	
29/9/09	2000 Kg	

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	COLLECTED BY
12-10.09		
22-10-09	1850 kg 1650 kg 2500 kg	
6-11-09	2500 kg	
24-11-09	3000 h	
7-12-09	1250 Rg	
21.12-09	1250 KG	
	- 7	

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 ACTIONSARE 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 SITI	E VISITORS MUST SIGN THE "VISITORS
REGISTER".	
SIGNED:	DATE:
	M MCGRATH

IPC	LICENCE	REG	No	P0447-01	
2 2 4					•

FORM

2.2.1

LICENSEE:...JAMES McGRATH

LOCATION:...BALLYNAMEELAGH, CAPPAGH, CO WATERFORD

ENVIRONMENTAL TRAINING PROCEDURE

- 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 EMPLOYEESN 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.

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ATTACHMENT NO. 4

AER/PRTR SPREADSHEETS



Is the reduction scheme compliance route being

AER Returns Worksheet

	Version 1:
REFERENCE YEAR	2009
1. FACILITY IDENTIFICATION	
Parent Company Name	Mr. James McGrath
	Mr James McGrath
PRTR Identification Number	POAA7
Licence Number	
Elderide Marriber	11 0447-01
Waste or IPPC Classes of Activity	
No.	class_name
6.2 6.2	The rearing of pigs in instatallations, 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. with 750 places for sows
Address 1	C/O Micheal Sweeney
	M.S Farm Services
	Mooresfort, Lattin
	Co. Tipperary
Address 4	Co. Tipperary
Country	Ireland
Coordinates of Location	
River Basin District	
NACE Code	
Main Economic Activity	
AER Returns Contact Name	Michael Sweeney (P0447)
AER Returns Contact Email Address	m sweepey@prop io
AER Returns Contact Position	Environmental Manager
AER Returns Contact Telephone Number	059 69172/096 9199004
AER Returns Contact Mobile Phone Number	000-001727000-0100904
AER Returns Contact Fax Number	050 60346
Production Volume	
Production Volume Units	0.
Number of Installations	
Number of Operating Hours in Year	
Number of Operating Hours in Year Number of Employees	
User Feedback/Comments	
Web Address	
vven Address	
PRTR CLASS ACTIVITIES	
ctivity Number	Activity Name
	Installations for the intensive rearing of poultry or pigs (ii)
	Installations for the intensive rearing of poultry or pigs (iii)
SOLVENTS REGULATIONS (S.I. No. 543 of 20	02)
ls 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	

	RELEASES TO AIR					
POLLUTANT		METHON				
	のとないので、大郎とおもとうというと思うだ				QUANTITY	
No. Annex II		Method Used				
10000	Name	MC/E Method Code Designation or Description	Emission Point 1	T /Total) V G/Vax	A (A continue of the	1
Authoria (NPS)			1 1110	1 (100) (10) (20)	A (Accidental) No rear In (Fugitive) KG/Year	In (Fugitive) KG/Year
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SECTION B : REMAINING PRTR POLLUTANTS

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		Method Ilead		QUANTILY
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M/C/E Method Code		НОВ		Designation or Description	
Name Name Name		MET	2	M/C/E Method Code	
13	KELEASES TO AIR	O MALE THE US AND SECOND THE PROPERTY OF THE P		Name	Select a row by double-ciking on the Polistant Name (Chima B) than slict the data.

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane). Hared or utilised on their facilities to accompany the figures for total methane generated. Operators should only raport their Net methane (CH4) emission to the environment under Titotal) KGyr for Section A. Sector specific PRTR pollutants above. Please complete the table below. Mr James McGrath Additional Data Requested from Landfill operators Landfill: Please enter summary data on the quantities of methane flared and / or utilised

d Used	Description Per Description Description	¥ Z	0.0 (Total Flaring Canacity)	0.0 (Total Utilising Capacity)	N.A
Metho	Method Co				
	MC/E	0.0	0.0	00	0.0
	T (Total) kg/Year				
utilised	Total estimated mothern between Paris	(labounated metraline generation (as per	Methane flared	Net methane emission (as reported in Section	A above)

			Quantity (Tonnes per Year)		§	2	Method Used		Haz Waste Name and Leence/Perrat No of Next Destaration Facility No Haz Waste Name and Leence/Perrat No of Recover/Discoses	Haz Wasie Address of Next Destination Facility Non Haz Wasis Address of Recovery	Name and Leense / Permit No and Address of Frail Deshration Disposer (HAZAROUS WASTE 19 Frail Recovery / Desposal Ste	Actual Address of Final Destination
Transfer Destination	European Waste Code	Hazardous		Description of Waste	Waste	1,0,1	Waste Treatment	Location of			CNCT	(HAZARDOUS WASTE ONLY)
					Character	NO.	wentod used	reatment				
Within the Country 02 01 02	02 01 02	Š	53.9 /	53.9 Animal Tissue Waste	R3	Σ	Weighed	Onsite in Ireland 02	ıster Proteins LId, P0040-	Chnstendom, Ferrybank, Wat erford, Co Waterford, Ireland		
Within the Country 18 02 01	18 02 01	o N	0.002 \$	No 0.002 Sharps except (18 02 02)	D10	ш	Stenle Technol Volume Calculation Onsite in Ireland Ltd,W0055-02	Onsite in Ireland	ogies ireland	Units 420-430 Beech Road, Westem Industrial Estate, Naas Road, Dublin 12, Ireland		