

ANNUAL ENVIRONMENTAL REPORT

2011

License Register no. P0447-01

Licensee: James McGrath

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

Prepared by: Jason McGrath, April 2012

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1. AER/PRTR spreadsheets

1. Introduction

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

Licensee	James McGrath
License registration no.	P0447-01
Location of activity	Ashleigh House, Ballinameela, Cappagh, Co. Waterford.

2. Description of site activities

The pig production unit is located in a wholly agricultural area in the townland of Ballinameela, 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 operating capacity of the site is set out in Table 1 below;

Animal Type	IPC Reg stock numbers	Actual stock numbers 2006	Actual stock numbers 2007	Actual stock numbers 2008	Actual stock numbers 2009	Actual stock number 2010	Actual stock number 2011
Suckling Sows	199	165	165	176	190	195	195
Dry Sows	701	642	642	687	690	668	696
Boars	20	11	11	10	5	6	5
Maiden Gilts	65	60	60	60	61	61	60
Weaners	3100	2931	2931	2993	3015	3070	3069
Finishers	4500	4389	4389	2498	4272	4376	4401

TABLE 1: Average stock numbers

3. Summary Information

During 2011, 7377 tonnes of animal feed was utilized on site, along with an estimated 27756 M3 of water, in the production of pig meat. 500 Litres heating oil, and 590913 units of electricity, were also utilized in the process.

Unit	2005	2006	2007	2008	2009	2010	2011
Animal feed Tonnes	5363	5170	6100	5640	4965	6975	7377
Heating oil Litres	23566	21275	23910	31000	42000	13000	500
Electricity Units	439909	196757	192338	194547	193447	193850	590913
Water M3	22306	24670	20356	20504	22784	20946	27756

TABLE 2: Summary unit usage in production process.

3.1 Pig manure storage capacity

The available pig manure storage capacity is recorded monthly on site. This data is summarized in Table 3 below, 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	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2005	29	30	70	60	55	65	63	72	77	69	58	46
2006	34	25	65	60	58	67	61	59	63	54	46	41
2007	29	40	52	62	50	57	54	45	71	66	51	43
2008	30	38	51	59	54	53	55	51	68	69	62	53
2009	24	52	54	65	56	61	57	48	52	63	61	49
2010	42	52	66	72	75	75	74	70	66	73	62	43
2011	37	71	80	85	77	78	82	75	87	70	63	47

3.2 Pig manure spreading register

The pig manure produced on this site is utilized as fertilizer on agricultural crops, in accordance with nutrient requirements, and therefore is not waste, as determined by the European court of justice. A pig manure register is maintained on site and is available for inspection during normal working hours. The manure register records all deliveries of pig manure to customer farmers during 2011 and amounts to 10,838 M3. A copy of the register (record 3) for 2011 has been sent to the department of agriculture and is also available on site.

3.3 Waste not destined for land spreading

The waste management records for waste not destined for land spreading are recorded on site and available for inspection during normal working hours. These include the register for pig carcasses, refuse, and veterinary waste, and the total volumes removed off site are set out below in Table 4.

Waste type	Pig carcasses	Veterinary waste	Paper & Cardboard	Fluorescent tubes
EWC code	02 01 02	18 02 01	20 03 01	20 01 21
2006	60.22TN	2KG	0.52TN	25
2007	55.45TN	4KG	3.18TN	25
2008	57.40TN	5KG	0.42TN	28
2009	53.90TN	2KG	0.74TN	36
2010	53.38TN	4KG	1.54TN	35
2011	56.27TN	2KG	0.62TN	40

TABLE 4: Summary of waste volume exported.

3.4 Environmental incidents and complaints

There were no incidents or complaints regarding this facility in the reporting period.

3.5 Self monitoring data

1. Surface water monitoring

The surface water monitoring points are visually inspected weekly and sampled quarterly. Table 5 below outlines the results of surface water discharge analyses.

Year	1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter
2006 (COD mg/l)	53	0	26	7
2007 (COD mg/l)	53	0	26	7
2008 (COD mg/l)	19.8	21	<1	<1
2009 (COD mg/l)	<1.0	9	<1	<1.0
2010 (COD mg/l)	<1	20	Dry	<1
2011 (COD mg/l)	8	<1	12	3

Table 5: Surface water discharge analyses results (2006-2011)

2. Ground water 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		0.03	13	0
W1	07-04-09	0.03	9.4	0
W2		0.05	9.2	0
W1	01-11-10	0.26	9.2	0
W2		1.5	9.2	0
W1	13-04-11	1.30	10.3	0
W2		1.00	10.1	0

Table 6: Groundwater monitoring results (2006-2011)

4. Management of the activity

4.1 Corrective action Procedures

A copy of the corrective action procedure for this site is available for inspection on site.

4.2 Awareness and training programme

A copy of the awareness and training programme for this site is available for inspection on site.

4.3 Communications

A copy of the public information programme for this site is available for inspection on site.

4.4 Vermin control

Vermin control is carried out on site by staff every week. A register is maintained of these inspections. A copy of this register is available on site.

5. Tank and pipeline testing and inspection report

The leak detection inspection chambers under the Dry Sow house, Gilt house and farrowing house is inspected monthly and records of these inspections are maintained on site. A tank and pipeline proposal was submitted to the agency in July 2007, this proposal is currently been further investigated with a view towards using hydrogeological investigations and/or geophysical surveys to determine the best method for future tank and pipeline testing.

ATTACHMENT

1



[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.13

REFERENCE YEAR	2011
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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
	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	Jason McGrath
AER Returns Contact Email Address	jayfmcgrath@gmail.com
AER Returns Contact Position	Manager
AER Returns Contact Telephone Number	0879733814
AER Returns Contact Mobile Phone Number	0879733814
AER Returns Contact Fax Number	
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)(i)	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](#)

EPS PR - P0447 (Facility Name: Mr James McGrath) Elements: 60347 2011 (x) Return Year: 2011

2019/04/10 11:32

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
RELEASERS TO AIR		Method Used			QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
06	Ammonia (NH3)	C	NRB		18261.0	18261.0	0.0	0.0
01	Methane (CH4)	C	NRB		106521.0	106521.0	0.0	0.0
06	Nitrous oxide (N2O)	C	NRB		107.0	107.0	0.0	0.0

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

SECTION B : REMAINING PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
RELEASERS TO AIR		Method Used			QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
						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		METHOD			Please enter all quantities in this section in KGs			
RELEASERS TO AIR		Method Used			QUANTITY			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
						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 National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only 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:

Landfill:

Mr James McGrath

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

15/05/2012 11:30 | PRT06 - R0427 | Facility Name: M. James McGrath | E-Name: R0427_2011.xlsx | Return Year: 2011 |

02/05/2012 11:30

Please enter all quantities on this sheet in Tonnes

3

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste: Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste: Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	20 03 01	No	0.62	mixed municipal waste	R3	M	Weighed	Offsite in Ireland	Waterford County Council, Materials Recovery Facility			
Within the Country	02 01 02	No	58.27	animal-tissue waste	D10	M	Weighed	Offsite in Ireland	Waterford Proteins, R919		Shandon, Dungarvan, Co. Waterford, None, Ireland Christendom, Ferrybank, Waterford, None, Ireland	

* Select a row by double-clicking the Description of Waste then click the delete button